

# ISIXHOUSA MATHEMATICS

*National Curriculum Statement (NCS)*

*Curriculum and Assessment  
Policy Statement*

**CAPS**

**STRUCTURED. CLEAR. PRACTICAL**

HELPING TEACHERS UNLOCK THE POWER OF NCS

*Foundation Phase*

*Grade R*



**basic education**

Department:  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**



**basic education**

Department:  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

**INKCAZELO YEPOLISI YEKHARITYHULAM NOKUHLOLA**

**IBANGA LABAQALAYO (R)**

**MATHEMATIKA**

# MATHEMATIKA IBANGA LABAQALAYO (R)

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## FOREWORD BY THE MINISTER



Our national curriculum is the culmination of our efforts over a period of seventeen years to transform the curriculum bequeathed to us by apartheid. From the start of democracy we have built our curriculum on the values that inspired our Constitution (Act 108 of 1996). The Preamble to the Constitution states that the aims of the Constitution are to:

- heal the divisions of the past and establish a society based on democratic values, social justice and fundamental human rights;
- improve the quality of life of all citizens and free the potential of each person;
- lay the foundations for a democratic and open society in which government is based on the will of the people and every citizen is equally protected by law; and
- build a united and democratic South Africa able to take its rightful place as a sovereign state in the family of nations.

Education and the curriculum have an important role to play in realising these aims.

In 1997 we introduced outcomes-based education to overcome the curricular divisions of the past, but the experience of implementation prompted a review in 2000. This led to the first curriculum revision: the *Revised National Curriculum Statement Grades R-9* and the *National Curriculum Statement Grades 10-12* (2002).

Ongoing implementation challenges resulted in another review in 2009 and we revised the *Revised National Curriculum Statement* (2002) to produce this document.

From 2012 the two 2002 curricula, for *Grades R-9* and *Grades 10-12* respectively, are combined in a single document and will simply be known as the *National Curriculum Statement Grades R-12*. The *National Curriculum Statement for Grades R-12* builds on the previous curriculum but also updates it and aims to provide clearer specification of what is to be taught and learnt on a term-by-term basis.

The *National Curriculum Statement Grades R-12* accordingly replaces the Subject Statements, Learning Programme Guidelines and Subject Assessment Guidelines with the

- (a) Curriculum and Assessment Policy Statements (CAPS) for all approved subjects listed in this document;
- (b) *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R-12*; and
- (c) *National Protocol for Assessment Grades R-12*.

A handwritten signature in black ink, appearing to read "Motsepe".

**MRS ANGIE MOTSHEKGA, MP  
MINISTER OF BASIC EDUCATION**



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# ISAHLUKO SOKU-1: INTSHAYELELO NEMVELAPHI

## 1.1 IMVELAPHI

INkcazelو yeKharityhulam yeSizwe yeBanga R - 12 (NKS) icacisa ipolisi yekharityhulam nokuhlola ezikolweni.

Ukuphucula ukusetyenziswa kwayo, iNkcazelو yeKharityhulam yeSizwe ihlaziyiwe, yaye uhlaziyo luya kuqala ukusebenza ngeyoMqungu/ngoJanyuwari 2012. Isifundo ngasinye senzelwe uxwebhu olunye lwePolisi yeKharityhulam nokuHlola endaweni yala maxwebhu madala angala: INkcazelو yeKharityhulam yeSizwe, iziKhokelo zeNkqubo yokuFunda kunye neziKhokelo zokuHlola zesiFundo kwiBanga R - 12.

## 1.2 AMAGQABANTSHINTSHI

- (a) INkcazelو yeKharityhulam yeSizwe (NKS) yeBanga R - 12 (EyoMqungu/Janyuwari 2012) imele inkcazelو yepolisi yokufunda nokufundisa kwizikolo zoMzantsi Afrika yaye iquka oku kulandelayo:
  - (i) INkcazelو yePolisi yeSizwe yeKharityhulam nokuHlola yesifundo ngasinye kwezo zifundo zivunyiweyo zesikolo;
  - (ii) Uxwebhu Iwepolisi oluthi, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12.*; kunye
  - (iii) Noxwebhu Iwepolisi oluthi, *National Protocol for Assessment Grades R - 12 (EyoMqungu/Janyuwari 2010).*
- (b) Uxwebhu oluthi, *National Curriculum Statement Grades R - 12 (eyoMqungu/Janyuwari 2012)* lungena endaweni yala maxwebhu eNkcazelو yeKharityhulam yeSizwe mabini alandelayo:
  - (i) *iRevised National Curriculum Statement Grades R - 9, Government Gazette No. 23406 of 31 May 2002,* kunye
  - (ii) *neNational Curriculum Statement Grade 10 - 12 Government Gazettes, No 25545 of 6 October 2003 and No. 27594 of 17 May 2005.*
- (c) Amaxwebhu enkcazelو yekharityhulam yesizwe ekuthethwe ngawo kwimihlathana (a) no(b) aquka la maxwebhu epolisi alandelayo, aza kuthi aye eyekiswa ngokuyekiswa, engenelewa yi*National Curriculum Statement Grades R - 12 (eyoMqungu/Janyuwari 2012)* ngo2012 - 2014:
  - (i) INkcazelو yeKharityhulam yeSizwe yeZifundo ngeZifundo, isiKhokelo seNkqubo yokuFundisa kunye nesiKhokelo sokuHlola sesiFundo yeBanga R - 9 neyeBanga 10 - 12;
  - (ii) Uxwebhu Iwepolisi oluthi, *National Policy on assessment and qualifications for schools in the General Education and Training Band*, olubhengezwe kwi*Government Notice No. 124* ekwi*Government Gazette No. 29626* of 12 February 2007;
  - (iii) Uxwebhu Iwepolisi oluthi, the *National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, olubhengezwe kwi*Government Gazette No.27819* of 20 July 2005;

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- (iv) Uxwebhu Iwepolisi oluthi, *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF), regarding learners with special needs*, olupapashwe kwiGovernment Gazette, No.29466 of 11 December 2006, lufakwe kuxwebhu Iwepolisi oluthi, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; kunye
- (v) Uxwebhu Iwepolisi oluthi, *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF), regarding the National Protocol for Assessment (Grades R - 12)*, olubhengezwe kwiGovernment Notice No.1267 in Government Gazette No. 29467 of 11 December 2006.
- (d) Uxwebhu Iwepolisi oluthi, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; kunye namacandelo akwiPolisi yeKharityhulam nokuHlola njengoko ebonisiwe kwisahluko sesi-2, 3 nesesi-4 solu xwebhu aquelethe izithethe nemigangatho yeNkcazeloyeKharityhulam yeSizwe yeBanga R - 12. Ngoko ke, olu xwebhu luya kuthi, ngokwecandelo 6A leSouth African Schools Act (uMthetho oLawula iZikolo zaseMzantsi Afrika), ka1996 (uMthetho wama-84 ka1996), Iwenze isiseko sokuxhobisa umPhathiswa weMfundo esisisiSeko ukuba akwazi ukubeka awona manqanaba aphantsi eziphumo nemigangatho, ngokunjalo neenkqubo nemigaqo yokuhlolinkqubela phambili yabafundi, manqanaba lawo za kuseenza kwizikolo zikaRhulumente nezabucala.

### 1.3 IINJONGO EZIPHANGALELEYO ZEKHARTYHULAM YOMZANTSİ AFRIKA

- (a) INkcazeloyeKharityhulam yeSizwe yeBanga R - 12 inika isikhokelo kulwazi, izakhono nezithethe ezinokufundwa ezikolweni zaseMzantsi Afrika. Le kharityhulam ijonje ukujinisekisa ukuba abafundi bafumana ulwazi nezakhono ngeendlela ezhambelana nobomi babo bemihla ngemihla. Kungoko ke le kharityhulam ikhuthaza ulovo lokusebenzisa kakhulu iimeko zalapha, kodwa ibe ikwayise iso nemiba ebalulekileyo yehlabathi jikelele.
- (b) INkcazeloyeKharityhulam yeSizwe yeBanga R - 12 yenza oku kulandelayo:
- Ixhobisa abafundi ngolwazi, izakhono nezithethe eziya kubanceda ukuba bakwazi ukuzimela nokuthabatha inxaxheba ekuhlaleni njengabemi belizwe elikhululekileyo; nokuba bavela kweyiphi imo yezentlalo, uhlanga, isini, bekhangaleka njani ngokomzimba okanye bekuliphi inqanaba lengqiqo;
  - Ivulela abafundi amathuba okuya kwimfundo ephakamileyo;
  - Incedisa abafundi ukuba bakwazi ukuphuma kumaziko emfundo baye kumaziko omsebenzi; yaye
  - Inika abaqueshi umfanekiso ocacileyo ngobuchule nolwazi abanalo abafundi.
- (c) INkcazeloyeKharityhulam yeSizwe yeBanga R - 12 isekelwe phezu kwale mithetho-siseko ilandelayo:
- *Ukuphuculwa kwezentlalo*: ukuqinisekisa ukuba kuyalungiswa ukungalingani kwezemfundo okwabangelwa lixesha lobandlululo, nokuba bonke abemi banikwa amathuba emfundo alinganayo;
  - *Ukufunda ngokubandakanyeka kusetyenziswa ingqiqo*: ukukhuthaza indlela yokufundisa efuna abafundi ukuba bathathe inxaxheba bebonakalisa ingqiqo, endaweni yokufunda ngokubethelela izimvo nokufunda nje bengaziqiqisisi iinyaniso okanye izimvo abazinikwayo;
  - *Ulwazi nezakhono ezikumgangatho ophakamileyo*: ukubekwa kweyona migangatho iseantsi yowlazi nezakhono ekufuneka abafundi bezibonakalise kwibanga ngalinye, kananjalo nokumiselwa imigangatho ephezulu enokufikelewa kuzo zonke izifundo;

- *Ukuqhubela phambili*: umxholo wokufundwayo neemeko ekufundwa phantsi kwazo kwibanga ngalinye ubonisa ukuqhubela phambili, ukususela kokulula ukuya koko kuntsonkothileyo;
- *Amalungelo oluntu, uqukaniso, ukukhathalelw* *kokusingqongileyo nobulungisa bezentlalo*: ukufakwa kwemithetho-siseko neendlela zokwenza ubulungisa kwezentlalo nokukhathalela indalo esingqongileyo kwanamalungelo oluntu, njengoko ebekiwe kuMgaqo-siseko weRiphablikhi yoMzantsi Afrika. INkcazeloyeKarityhulam yeSizwe yeBanga 10 - 12 ibonakalisa uvakalelo kwimiba yeyantlukwano enjengendlala, ukungalingani, uhlanga, isini, ulwimi, ubudala, ukuba nenkubazeko neminye imiba;
- *Ukuxatyiswa kolwazi lwemveli*: ukuthathela ingqalelo ubutyebi bembali kunye nelifa lemveli leli lizwe njengeentsika zokuxhasa izithethe eziqulethwe nguMgaqo-siseko; kunye
- *Nentembeko, umgangatho ophezulu, kunye negalelo elibonakalayo*: ukunika imfundo enokuthelekiseka neyamanye amazwe ngokomgangatho, ukunatyiswa kwanokungena nzulu kwayo kwimiba efundiswayo.

(d) INkcazeloyeKarityhulam yeSizwe yeBanga R - 12 ijonge ukupuhlisa abafundi abakwaziyo:

- ukuchonga nokusombulula iingxaki bathabathe iziggibo besebenzisa ingqiqo nokucinga okubonakalisa ubugcisa;
  - ukusebenza ngempumelelo bebodya naxa bekunye nabanye njengamalungu eqela;
  - ukuzicwangcisa nokuzilawula bona buqu kunye nemisebenzi yabo ngentembeko nangempumelelo;
  - ukuqokelela, ukuhlalutya, ukucwangcisa nokuhlaba amadlala ulwazi;
  - ukunxibelelana nabanye ngempumelelo besebenzisa ubuchule bokubonwayo, bemiqondiso kunye/okanye nezinye izakhono zolwimi ngeendlela ezahlukileyo;
  - ukusebenzisa inzululwazi nobuchwepheshe ngempumelelo nangokubonakalisa ukuba noxanduva ngokunengqiqo ekukhathaleleni indalo esingqongileyo nempilo yabanye; kunye
  - nokubonisa ukuliqonda ihlabathi ukuba liyiseti yezinto ngezinto ezizalanayo ngokuqaphela ukuba iimeko ezisonjululwa phantsi kwazo iingxaki azizimelanga zodwa geqe.
- (e) Ukuqukaniswa kwemfundu kufuneka kube ngundoqo ekulungiseleleni, ekucwangciseni nasekufundiseni kwisikolo ngasinye. Oku kunokwenzeka kuphela xa bonke ootitshala benolwazi oluphangaleleyo malunga nendlela yokuqonda nokusombulula izidingo zokufunda kunye nendlela yokucwangciselaa abafundi abangafaniyo.

Undoqo ekulawuleni ukuqukaniswa kwemfundu kukuqinisekisa ukuba izidingo ziyachongwa zize zisonjululwe ngawo onke amaqela enkxaso efanelekileyo asesikolweni, aquka ootitshala, amagosa esithili, amaQela eNkxaso amaZiko athile, abazali neZikolo zabaFundi abaneeMfuno eZizodwa njengamaZiko aXobisa ngoLwazi. Ukusombulula izidingo eklasini, ootitshala mabasebenzise iindlela ngeendlela zokujongana neyantlukwano kwikharthyhulam ezifana nezo zikuxwebhu lweSebe leMfundoo esisisiSeko oluthi *Guidelines for Inclusive Teaching and Learning (2010)*.

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## 1.4 UKWABIWA KWEXESHA

### 1.4.1 IsiGaba esisisiSeko

- (a) Ixesha elabelwe ukufundisa kwisiGaba esisisiSeko limi ngolu hlobo:

ISIFUNDO	IBANGA R (IIYURE)	IBANGA 1-2 (IIYURE)	IBANGA 3 (IIYURE)
ULwimi IwaseKhaya	10	7/8	7/8
ULwimi lokuQala oloNgezelelweyo		2/3	3/4
Izibalo	7	7	7
IzaKhono zoBomi	6	6	6
• ULwazi lokuQala	(1)	(1)	(1)
• UbuGcisa beZandla	(2)	(2)	(2)
• EzemiThambo	(2)	(2)	(2)
• UkuziPhatha neNtlalo	(1)	(1)	(1)
<b>LILONKE</b>	<b>23</b>	<b>23</b>	<b>25</b>

- (b) Ixesha elabelwe ukufundisa leBanga R, 1 nelesi-2 ziiyure ezingama-23. IBanga lesi-3 ziiyure ezingama-25.
- (c) IBanga R - 2 labelwe iiyure ezilishumi, zize zibe li-11 kwiBanga lesi-3. ULwimi IwaseKhaya Iwabelwe ezona Iwimi zininzi ezisi-8 nezona zimbalwa ezisi-7; luze uLwmi oLongezelelweyo Iwabelwe ezona zimbalwa zibe 2 zize ezona zininzi zibe 3 kwiBanga R - 2. KwiBanga lesi-3 ezona yure zininzi zisi-8, zize zibe si-7 ezona zimbalwa kuLwimi IwaseKhaya; kanti kuLwimi oloNgezelelweyo ezona zimbalwa zi-3, zize ezona zininzi zibe 4.
- (d) IMathematika yabelwe iiyure ezisi -7.
- (e) KwizaKhono zoBomi, uLwazi lokuQala Iwabelwe iyure e-1 kwiBanga R - 2, zi-2 kwiBanga lesi-3, njengoko kubonisiwe kwizibiyeli kwiBanga.

### 1.4.2 IsiGaba esiPhakathi

- (a) Ixesha elabelwe ukufundisa kwisiGaba esiPhakathi limi ngolu hlobo:

ISIFUNDO	IIYURE
ULwimi IwaseKhaya	6
ULwimi lokuQala oloNgezelelweyo	5
IMathematika	6
INzululwazi nobuChwepheshe (neTeknoloji) beNdalo	3,5
INzululwazi yezeNtlalo	3
IzaKhono zoBomi	4
• UbuGcisa beZandla	(1,5)
• EzemiThambo	(1)
• UkuziPhatha neNtlalo	(1,5)
<b>ZIZONKE</b>	<b>27,5</b>

### 1.4.3 IsiGaba esiPhezulu

- (a) Ixesha elabelwe ukufundisa kwisiGaba esiPhezulu limi ngolu hlobo:

ISIFUNDO	IIYURE
ULwimi IwaseKhaya	5
ULwimi lokuQala oloNgezelelwego	4
IMathematika	4,5
INzululwazi zezeNdalo	3
INzululwazi yezeNtalo	3
UbuChwepheshe (iTeknoloji)	2
INzululwazi yoLawulo IwezoQoqosho	2
IziFundo ngezoBomi	2
UbuGcisa neNkcubeko	2
<b>ZISONKE</b>	<b>27,5</b>

### 1.4.4 IBanga 10 - 12

- (a) Ixesha elabelwe ukufundisa iBanga 10 - 12 limi ngolu hlobo:

IZIFUNDO	IIYURE
1. ULwimi IwaseKhaya	4.5
2. ULwimi lokuQala oloNgezelelwego	4.5
3. IMathematika	4.5
4. IziFundo ngezoBomi	2
5. Ubuncinane bazo naziphi izifundo ezithathu ezikhethwe <b>kwiQela B</b> <u>isiHlomelo B, iiTheyibhile B1 – B8</u> zoxwebhu Iwepolisi oluthi, <i>National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R – 12</i> , ngokuxhomekeke kwimigaqo ebekwe kumhlathi wama-28 wolu xwebhu Iwepolisi.	12 (3x4yr)
<b>ZISONKE</b>	<b>27,5</b>

Ixesha elabelwe ukufundisa ngeveki malisetyenziselwe ukufundisa izifundo ngokweemfuno zezifundo zeNkcazeloyeKharityhulam yeSizwe yeBanga R - 12 (NKS) ezichatshazelwe apha ngasentla, hayi ezinye izifundo ezonegezelwego. Ukuba umfundi ufunu ukongeza izifundo, makongezelwe elinye ixesha lezo zifundo azongezileyo.

## 2.1 INTSHAYELELO

KwisiGaba esisisiSeko, izakhono eziphambili kwiKharityhulam yoLwimi lwaseKhaya zezi:

Kwicandelo lesibini, isiGaba sesiSeko seMathematika iNkcazeloyePolisi yeKharityhulam nokuHlola inika ootitshala ingcaciso yeMathematika, iziphumo ezingundoqo, izakhono ezingundoqo, ugxininiso kumxholo, umthamo weenkalo zemixholo, izixhobo zokufunda ezinokusetyenziswa kwisifundo seMathematika kwisiGaba esisiseko, izikhokelo ezinokusetyenziswa ukuxhasa abafundi abaneengxaki ekufundeni iMathematika, ukubala ngentloko nokomeleza ukufundisa izakhono zokubala kwabaqalayo kwiBanga labaQalayo.

## 2.2 YINTONI IMATHEMATIKA?

iMathematika lulwimi olusenza ukuba sisebenzise iisimboli namanani ukuchaza ulwalamano lwamanani lwejiyometri nolweegrafu. Ngumsebenzi owenziwa ngabantu oquka iipateni zokuqaphela, zokumela nezokuphanda nezolwalwamano ngokomgangatho ophathekayo nezokuhlala naphakathi kwezinto ngokokwazo. Incedisa ukwakha inkqubo yokubala ngentloko eqinisa ukusebenzisa ukucinga nzulu, ngokuchanekileyo nokwenza izisombululo eziza kukhokelela ekuthatheni iziggibo ezizizo.

## 2.3 IINJONGO EZINGUNDOQO

Iinjongo zokufunda nokufundisa iMathematika kukuphuhlisa ezi zinto zilandelayo kumfundi:

- Izinto ezingundoqo kunxibelewano lweMathematika zisetyenziswa kwezentlalo, kwezisingqongileyo, kwezenkcubeko nezobudlelwano ngezoqoqosho;
- Ukuzithemba nokukwazi ukumelana nayo nayiphi imeko yeMathematika ngaphandle koloyiko lwayo;
- Ukufuna ukwazi nokuthanda iMathematika;
- Ukuncoma, ukuyonwabela, ubuhle nondiliseko lweMathematika;
- Ukuqaphela ukuba iMathematika inecandelo lobugcisa obenziwa ngabantu;
- Ulwazi olunzulu lweengqiqo ukunika intsingiselo yeMathematika; kunye
- Nokufumana ulwazi olungundoqo nezakhono ezifunekayo:
  - Ukusebenzisa iMathematika kwizinto ezibonwayo, kwezentlalo nezokusombulula iingxaki zeMathematika;
  - Ukufunda izifundo ezinxulumeneyo; kunye
  - Nokufunda banzi ngeMathematika.

## 2.4 IZAKHONO EZINGUNDOQO

- Ukwakha izakhono ezingundoqo zeMathematika, umfundi kufuneka;
- Akhe isigama esichanekileyo seMathematika;
- Akhe isigama samanani, ingqiqo yamanani, ukubala nokusebenzisa izakhono;
- Afunde ukumamela, ukuthetha, ukucinga, nokuqiqa usebenzisa ulwazi olufumeneyo;
- Afunde ukuphanda, ukuhlalutya, ukumela ukutolika ulwazi;
- Afunde ukubuza imibuzo nokusombulula iingxaki; kunye
- Nokwakha ulwazi nokubaluleka kweMathematika nendima eyidlalayo ebomini, nakupuhliiso lobume bomfundi.

## 2.5 IINKALO ZEMIXHOLO EKUGQALWE KUYO

IMathematika kwisiGaba esisisiSeko siquka iinkalo ezintlanu. Inkalo nganye yongeza kulwazi lwezakhono ezingundoqo. Le theyibhile ingezantsi ibonisa ugxininiso jikelele lweenkalo zemixholo kunye nezakhono eziziinkalo kwisiGaba esisisiSeko.

### Itheyibhile 2.1 Umxholo ekugqalwe kuyo kwiMathematika yesiGaba esisisiSeko

ULWAZI LOMXHOLO LWEMATHEMATIKA		
linalo zemixholo	Umxholo ekugqalwe kuyo jikelele	Umxholo ekugqalwekuyo kwisiGaba esisisiSeko
Amanani, liOpareyshini nolwalamano	<p>Ulwazi/ upuhliiso lwamanani luuka:</p> <ul style="list-style-type: none"> <li>Intsingiselo yeendidi zamanani ahlukeneyo;</li> <li>Ukuzañana phakathi kweendidi zamanani ahlukeneyo;</li> <li>Ukuzañana ngobukhulu beendidi zamanani ezahlukeneyo;</li> <li>Ukuboniswa kwamanani ngeendlela ezahlukeneyo; kunye</li> <li>Nefuthe lokusebenza ngamanani.</li> </ul>	<p>Uluhlu lwamanani olupuhliiswa kwiBanga lesi-3 luuka amanani azeleyo ukuya kwi-1000 namaqhezu aqhelekileyo. Kwesi sigaba, ingqiqo ngamanani yabafundi ipuhliiswa ngezinto eziphathwayo ukubala ingqokelela yezinto, ipatishini, ukudibanisa iikhwantithi, ukubala ngokuqakatha ngeendlela ezahlukeneyo, ukusombulula izibalo zamazwi, nokwakha nokwahlula amanani.</p> <ul style="list-style-type: none"> <li>Ukubala kunceda abafundi ekupuhliiseni ingqiqo ngamanani, ukubala ngentloko, uqikelelo, izakhono zokubala nokunakana iipateni.</li> <li>Ingqiqo yamanani ikhulisa abafundi ngeemilo zamanani ikwaphuhlisa iindlela ezinokwenza kube lula ukubala.</li> <li>Ukusombulula iingxaki kunceda abafundi ekuchazeni iindlela abacinga ngayo ngokuthetha nangokubhala ngokuba bazobe benze neesimboli.</li> <li>Abafundi bakhulisa ulwazi lwabo lwabasaqala ukubala ngokudibanisa, ngokuthabatha ngokuphindaphinda nangokwahlulahlula.</li> <li>Abafundi baphuhlisa ulwazi lwabo lwamaqhezu ngokubala basombulule izibalo kuquka nokwaba izinto eziphathetkayo nangokusebenzisa imizobo.lingxaki zezibalo mazique nezisombululo eziza kunika nemazisekelwe kumanani apheleleyo okanye amaqhezu, ukwehlulelana makungaquki ukufumana amanani apheleleyo qha, makuquke nokufumana ukuqokelewa kwengqokelela yezinto. Kweli nqanaba, abafundi abalindelekanga ukuba bafunde nokuba babhale iisimboli zamaqhezu.</li> </ul>

# MATHEMATIKA IBANGA LABAQALAYO (R)

ULWAZI LOMXHOLO LWEMATHMATIKA		
linkalo zemixholo	Umxholo ekugqalwe kuyo jikelele	Umxholo ekugqalwekuyo kwisiGaba esisisiSeko
<b>iiPateni, iiFankshini neAljibra</b>	<p>I-Aljibra lulwimi lokufunda nokuthetha ngoninzi IweMathematika yaye lungaggithiselwa nasekufundweni kwemisebenzi nokunye ukuzalana kwezinto. Esona siseko sale nkalo yomxholo kukuba abafundi bafumane izakhono ezaneleyo ekusebenziseni iAljibra. Kukwagqalwe:</p> <ul style="list-style-type: none"> <li>• ukucaciswa kweepateni nokuzalana kwazo kusetyenziswa ukubonisa ulwazi lweesimboli, iigrafu, neetheyibile, kunye</li> <li>• ukufuna uchaze ukungatshintshi nokutshintsha kweepateni, kunye nokuzalana okwenza abafundi ukuba benze uqikelelo nokusombulula iingxaki.</li> </ul>	<p>Kwesi sigaba, abafundi basebenzisa zombini:</p> <ul style="list-style-type: none"> <li>• lipateni zamanani (umzekelo: ukubala ngokuqakatha); kunye</li> <li>• Neepateni zejiyometri (umzekelo: imizobo).</li> </ul> <p>Abafundi mabasebzise izinto eziphathekayo, imizobo neesimboli xa bekhuphela, besongeza, bechaza naxa besenza iipateni.</p> <p>Ukukhuphela iipateni kunceda abafundi ukubona indlela eyiyo ezenziwe ngazo iipateni.</p> <p>Ukongeza iipateni kunceda abafundi ukuba bakhangele ukuba bazilandele kakuhle na iipateni.</p> <p>Ukuchaza iipateni kunceda abafundi ukuba baphuhlise izakhono zabo zolvimi.</p> <p>Ukubethelela kulandelewano lweepateni kwenza isiseko sokupuhlisa izakhono zokucinga ngeAljibra.</p> <p>lipateni zamanani zincedisana nophuhliso lokwazi nokwakha amanani, ukusebenzisa nolwalamano lwamanani.</p> <p>lipateni zejiyometri ziqluka ulandelelwano lwemigca, inkangeleko, nezinto kunye neepateni zelizwe jikelele, kwiipateni zejiyometri abafundi basebenzisa ulwazi lwabo lwesimo nobume.</p>
<b>IsiThuba neMilo(ijiyometri)</b>	<p>Ukufunda isiThuba neMilo kunceda ekulandeleni nasekuthanden ipateni, ekulandeleni, ukuphumelela nasekuboneni ubuhle kwizinto zendalo nenkcubeko. Ibethelela:</p> <ul style="list-style-type: none"> <li>• kwiimpawu, ulwalamano;</li> <li>• ukuziqhelanisa, iindawo; kunye</li> <li>• nenguulelo yezinto ezinokwakheka kuka 2-D no 3-D.</li> </ul>	<p>Kwesi sigaba abafundi babethelela kwizinto ezinokwakheka kuka 2-D no 3-D, iimo, iindawo nezalathiso.</p> <ul style="list-style-type: none"> <li>• Abafundi bafunda ngezinto ezinembonakalo yamacala amathathu neemo ezinembonakalo yamacala amabini, ukwahlula, ukwahlula ngakwamaqela, ukuchaza nokubiza agama azo.</li> <li>• Abafundi bazoba iimilo bakhe ngezinto.</li> <li>• Abafundi bayazitshintsha bazichaze iimilo nezinto ezikwiindawo ezibangqongileyo ezifana nezinto neemilo zeMathematika.</li> <li>• Abafundi bachaza indawo ezikuyo izinto, bona nabanye besebenzisa isigama.</li> <li>• Abafundi balandela benika izalathiso.</li> </ul>
<b>Imilinganiselo</b>	<p>Umlinganiselo ubethelela ekukhetheni nasekusebenziseni imivo ngokufanelekileyo, izixhobo, neefomyula ukuqikelela ubungakanani beempawu zeziganecko, iimo, izinto nokusingqongileyo. Ijongene ngqo nolwazi lwenzululwazi, iteknoloji nezezimali kwilizwe jikelele, inceda umfundni ukuba:</p> <ul style="list-style-type: none"> <li>• Enze uqikelelo olwenza okuvakalalyo; yaye</li> <li>• Aqonde ulwazi lwemilinganiselo neziphumo zazo.</li> </ul>	<ul style="list-style-type: none"> <li>• Kwesi sigaba, ulwazi lwabafundi kumlinganiso luhuhliswa ngokwenza izinto ezahlukenyeyo besebenzisa izinto eziphathekayo, iimilo, befunda iiimpawu zobude, umthamo, ubunzima, ieriya nexesha.</li> <li>• Abafundi balinganisa umthamo weemilo zezinto besebenzisa iiyunithi ezingamiselekanga apho kufanelekileyo, ezinjengezandla, izantya, nezhongozeli, njalo njalo.</li> <li>• Abafundi bathelekisa ubuninzi ngokwahlukenyeyo besebenzisa isigama sokuthelekisa esinje ngobude/ ubufutshane, ubunzima/ ubukhaphukhaphu, njalo njalo.</li> <li>• Abafundi baziswa kwiiyunithi ezinjengeegrem, iikhilogrem, iimililitha, iilitha, iisentimitha neemitha.</li> </ul> <p>Imisetyenzana yexesha kufuneka ibekelelwe abafundi baqhelaniswe ukwazi ixesha elidlulayo phambi kokuba bakwazi ukulifunda.</p>

ULWAZI LOMXHOLO LWEMATHEMATIKA		
linkalo zemixholo	Umxholo ekugqalwe kuyo jikelele	Umxholo ekugqalwekuyo kwisiGaba esisisiSeko
Ukusebenzangowazi oluqokelelweyo	<p>Kwindlela yokusebenza ngolwazi oluqokelelweyo, abafundi babonisa izakhono:</p> <ul style="list-style-type: none"> <li>• zokuqokelela;</li> <li>• ukucwangcisa;</li> <li>• ukubonisa; kunye</li> <li>• nokuhlalutya ucacise ulwazi olunikiwego.</li> </ul>	<p>Ugxininiso kumaBanga asisiseko ekufundiseni nasekufundeni indlela yokusebenza ngolwazi oluqokelweyo ukuhlela izinto nedatha ngeendlela ezahlukeneyo, zixhomekeke kubomi bezinto nedatha.</p> <ul style="list-style-type: none"> <li>• Abafundi kulindeleke ukuba batolike ze bakhe iigrafu zemifanekiso neegrafu zezitena ngongqamaniso lwamanani nedatha abayinikiwego.</li> </ul>

## 2.6 ULWABIWO LWEENKALO ZEMIXHOLO

Ulwabiwo lweenkalo zeMathematika luncheda iinkalo ezimbini: ulwabiwo lunika isikhokelo ngexesha emalinikwe nokufundisa kwinkalo yomxholo ngokufanelekileyo; okwesibini ulwabiwo lunika isikhokelo ngendlela umxholo omawuhlolwe ngayo.

Ulwabiwo lweenkalo zemixholo alufani kumaBanga esiGaba esisisiSeko.

### Itheyibhile 2.2 Ulwabiwo lweenkalo zemixholo kwisiGaba esisisiSeko

ULWABIWO LWEENKALO ZEMIXHOLO			
Ummadla womxholo	IsiGaba 1	IsiGaba 2	IsiGaba 3
Amanani, ii-Opareyshini noLwalamano*	65%	60%	58%
Ipateni, iiFankshini neAljibra	10%	10%	10%
Isithuba nesimo (Ijiyometri)	11%	13%	13%
Imilinganiselo	9%	12%	14%
Ukusebenzisa nolwazi oluqokelelweyo	5%	5%	5%
	<b>100%</b>	<b>100%</b>	<b>100%</b>

\*KwisiGaba sabaQalayo (R - 3), kubalulekile ukuba kugxininiswe ekufundiseni amanani, ukusebenza nolandeletwano kwiMathematika. Kubalulekile ukuba abafundi baphume bewazi kakuhle amanani bekwazi nokubala. Injongo kukuba abafundi baqiniseke bazithembe kumanani nasekubaleni. Ngenxa yesi sizathu ixesha lokufundisa amanani, ukusebenza nolandeletwano longeziwe. Uninzi lomsebenzi kwipatenti malenziwe kwipatenti zamanani ukubethelela ulwazi lwabafundi ngamanani.

## 2.7 IMATHMATIKA KWISIGABA ESISISISEKO

IMathematika yesiGaba esisisiSeko iqinisa uqhagamshelwano phakathi kobomi babafundi abasaqalayo naBangaphandle esikolweni, neMathematika enzima kwiizigaba ezingaphambili kwelinje icala. KwisiGaba sabaQalayo, abafundi mabakrotyiswe kwimiba yeMathematika ebanika amathuba okuba batethe baze barekhodishe iingcinga zabo zeMathematika.

Ixesha elichithwa ekufundiseni iMathematika linegalelo ekupuhhliseni ulwazi lwengqiqo nezakhono kubafundi. Imisetyenzana ekufuneka abafundi beyenzisiwe kukuba akufunekanga ibe ngxaka-ngxaka koko kufuneka igxininiswe kwinqiqo yeKharityhulum yeMathematika.

## 2.7.1 Izikhokelo zolawulo lweklasi

Ixesha elisikelwe ukufundisa iMathematika kusuku ngalunye kufuneka luthathwe njengepiriyodi. Ngepiriyodi yeMathematika ezi zinto zilandelayo kufuneka zenzeke:

- **Imisebenzi yeklasi yonke**
  - iMathematika ebalwa ngentloko
  - Ukuqukunjelwa kwemisebenzi yengqiqo
  - Ukulawula iklasi (ukunika imisebenzi yomfundi ngamnye, njalo njalo.)
- **Ukufundisa amaqela amancinci**
  - Ukubala
  - Uphuhliso lwamanani engqiqo (imisebenzi yokuthetha neyensiwa ngezandla)
  - UKusombulula iingxaki (imisebenzi yokuthetha neyensiwe ngezandla)
  - Ukurekhodisha okubhaliwego
  - Ukupuhhlisa iindlela zokubala (imisebenzi yokuthetha neyensiwe ngezandla)
  - lipateni
  - Isithuba nesimo
  - Imilinganiselo
  - Indlela yokusebenza ngolwazi oluqokelelweyo
- **Ukusebenza wedwa**

Abafundi bayaziqhelanisa baqukumbele iingqiqo eziphuhlisiswe ekufundisweni kwiklasi yonke nakumaqela amancinci.

*Imisebenzi yeklasi yonke:* apho kugxininiswa kubalo lwentloko, makubekho uqukumbelo lwengqiqo nokunikwa imisebenzi kangangemizuzu engama-20 ngosuku ekuqaleni kwesifundo seMathematika. Ngeli xesha utitshala uza kusebenza neqela lonke leklasi eqwalasela ekwarekhodisha, apho kufanelekileyo, amagama eentsuku zeveki, umhla, abafundi abakhoyo nabangekhoyo esikolweni nokuba injani imo yezulu. Ukubala ngentloko kuquka ukubala ngentloko okukhawulezileyo okunje ngokuthi “inani phambi nasemva kwesi-8 ngu-2 ngaphezu/ngaphantsi ko-8 ngu: 4+2; 5+2; 6+2” njalo njalo. Ngeli thuba utitshala makaqukumbele iingqiqo ezinobunzima. Enye into ebalulekileyo utitshala amakayenze kukuba anike iklasi yakhe imisebenzi ephangaleleyo nemisebenzi abayenza bodwa ngokwabo ngeliax achedisana namaqela amancinci.

*Imisebenzi yamaqela amancinci:* olona hlobo lusebenzayo kuxa utitshala eseberna ngamaqela amancinci (8 ukuya kwi-12) anabafundi abalingana ngokucinga emethini okanye ezitafileni, ngelixa abanye beseberna bodwa. Utitshala useberna ngokuthetha nangokwenza nabafundi, beseberna imisebenzi enjengokubala, ukupikelela, uphuhliso lwengqiqo lwamanani nokusombulula iingxaki, nemisebenzi yeepateni, izithuba neemilo, imilinganiso, indlela yokusebenza ngolwazi oluqikelelweyo, ekufuneka icwangciswe ngobunono.

Ukwenzela ukubethelela ukufunda, ukubhala makube yinxalenye yemisebenzi yamaqela apho kunokwenzeka.

Abafundi mababe nezinto zokubhala (umzekelo: iincwadi zokubhala) zemisebenzi yokusombulula iingxaki. Imisebenzi yamaqela maybe nonxibelelwano, abafundi mabakhuthazwe ukuba “benze, bathethe baze barek-

hodishe” iingcinga zabo ngeMathematika.

Ootitshala mabazame ukungabajongeli phantsi abafundi abaqonda kade; nabo kufuneka banikwe imisetyenzana enzima. Kuba lula ukuxuba imisebenzi kwiqela labantwana abakwinqanaba elilinganayo lokusinga. Kodwa amaqela axubeneyo asebenza kakuhle ukwakha, ukulinganisa iipateni nokuhlela okanye imidlalo.

*Imisebenzi eyenziwa ngabanye:* ngeli lixa utitshala asebenza ngeqela elincinci, amanye amaqela makenze imisebenzi yeMathematika eyahlukeneyo ebethelela nequkumbela iingqiqo nezakhono ebezifundisiwe kumaqela amancinci. Imisebenzi eyenziwa ngabanye mayohlula-hlulwe ukulungiselela amaqela ahlukeneyo ngokucinga. Imisebenzi yamaqela azimeleyo aquka:

- Iincwadi zemisebenzi;
- Incwadi zemisebenzi yokubhala/ amakhadi okubala, ukudlala ngamanani, imisebenzi elula ngokusemxholweni, njalo njalo;
- Imidlalo yeMathematika enjengeLudo, dominos, iiphazili ; kunye
- Nemisebenzi equka ukwakha, ukuHlola, iipateni okanye imilinganiselo.

Iphiriyodi yeMathematika kufuneka incede abafundi abaneengxaki zokufunda, nemisebenzi yabantwana abakrele-krele nemisebenzi yokuHlola, njalo njalo.

Imisebenzi yamaqela amancinci nazimeleyo mayijongwe, ikorekishwe ngutitshala njengemisebenzi yohlaziyo ecwangcisiwego nengacwangciswayo.

Ukujongwa kwendlela abafundi abafunda nabafundiswa ngayo incedisa utitshala ukuba enze uhlaziyo oluqhubeckay, alandele ukujonga inkubo yabo aze acwangcise imisebenzi yokuncedisana nabafundi abafumania iingxaki.

## 2.7.2 Abafundi abaneengxaki zokufunda kwiMathematika

Kubalulekile ukuba abafundi abaneengxaki zokufunda kwiMathematiki bakrotyiswe kwimisebenzi eyenzelwe ukufunda. Ixesha elininzi malisetyenziswe kwimizekelo nemisebenzi yezandla neyenziwayo kunabanye abafundi, umzekelo, ukusetyenziswa kwemisebenzi enzima msinyane kungadobalisa ukuqhubeka kwaba bafundi. Aba bafundi mabanikwe ithuba elongezelelwego:

- Lokuggibeza imisebenzi;
- Ukufumana izakhono zokusinga (belandela iindlela ezithile); kunye
- Nemisebenzi yokuHlola.

Inani lemisebenzi emayenziwe malilungiselelwego abafundi kodwa kungasileli izakhono ekufuneka zifundisiwe.

## 2.7.3 Imisebenzi yokubala ngentloko

Ukubala ngentloko kunendima enkulu kwikarityhulam. libhondi zamanani neetheyibhuli zokuphinda-phinda zithatha ngokuba abafundi bayazi okanye bamele ukukhumbula uluhlu lwasigaba ngasinye. Kwakhona, ukubala ngentloko kwenzelwa ukubala ukuya kufika kumanani amakhulu ubala ngokuqakatha nokwenza imisebenzi enjengo“kubala phantsi naphezulu kwileli yamanani”, umzekelo, utitshala unokubuza le mibuzo ilandelayo “imibuzo ethungelanayo” “qala kuma-796 yongenza ngesi-7. Ewe, ngama-803 nciphisa isi-5. Ewe, ngama-798. Yandisa nge-10...wandise ngesi-2... kuma-90...unciphise ngesi-5...” njl. Le misebenzi incedisa abafundi ekwakheni imigca-manani yokubala ngentloko.

## MATHEMATIKA IBANGA LABAQALAYO (R)

Ukubala ngentloko kubonakala kakhulu xa kubalwa naxa kupuhliswa icandelo lamanani ngokunxulumene nesihloko samanani neepateni, kunokuphinda kuvele kwimisebenzi yolinganiselo nakwindlela yokusebenza ngolwazi oluqokelelwego. Xa besebenzisa imisebenzi yokubala ngentloko, utitshala makangabanyanzeli abafundi ukuba benze imisebenzi abangenakho ukuyenza — izixhobo zokubhala nezokubala mazisoloko zifumaneka kubafundi abazifunayo.

### 2.8 IBANGA LABAQALAYO(R)

Indlela yokufunda iMathematika mayisetyenziswe ngokunxulumanisa nangokufunda ngokudlala. Utitshala makasoloko ezixhobisa, abe nomcebisi kunomquuzeleli. Umcebisi usebenzisa amathuba okufunda okungacwangcswanga xa abafundi besenza imidlalo ngokukhulekileyo kwikona yokudlala ngokuzikhethela okanye kweyeebhloko zokwakha, zesanti, nemidlalo yamanzi nemisebenzi, encediswa ngutitshala kwizibalo ezijongene nengqiyo ezinjengokubala, uphuhliso Iwengqiyo yamanani, nesithuba nesimo, iipateni, ixesha neminye imisebenzi eqalayo yeMathematiki. Imibalal yodwa asiyongqiyo yeMathematika, kodwa ingasetyenziswa ekuphuhliseni iingqiyo zeMathematika ezinjengokuhlenga-hlengisa, ukwahlula-hlula nokuchaza.

Yonke imiba yeBanga labaQalayo, iquka ubume beklasi, ukufundisa nokufunda makukhokelele ekuphuhlisweni kokufunda komfundi ngokupheleleyo. Uphuhliso olunxulunyaniswe nokufunda kwabaqalayo, inyumerasi luquka nokuphuhlisa kwengqondo (ukusombulula iingxaki, ukucinga ngolandelewano nokuqiqa), uphuhliso lolwimi (ulwimi IweMathematika kune nokuphuhlisa izakhono zokushukuma kune nemvakalelo yobume. Zonke ezi meko zingaphuhlisa ngamabali, iingoma, imidlalo yeminwe, izicengcelez, imidlalo yamanzi, iithoyi zokufundisa kune nemidlalo yeebhodi, ngokwakha nemisebenzi yokuzungeza, imidlalo yemibono, imidlalo yangaphandle neyaseyadini yokudlala. Imidlalo emininzi mayiquke izakhono zenyumeresi, umzekelo, ukulinganisa izixhobo zokupheka okanye ukubala xa uyokuthenga.

Ngamanye amazwi, ukufumana izakhono zeMathematika yabaqalayo nezinye izakhono ezinxulumeni neMathematika ezinjengezootitshala abaphum' izandla, kulandela le migao yamanqanaba okufunda ilandelayo:

- Kwinqanaba lezinto ezibanjwayo (esebenzisa umzimba nemizwa);
- Kwinqanaba lezinto eziphathetekayo (3-D, usebenzisa izinto ezinje ngeebhloko, iziciko zeebhotile, amasebe, neezinye izinto ezisekuhlalen); kune
- Besebenzisa/ bebonisa iphepha nepensile (ezemizobo, amakhadi okuthelekisa njl.)

KwiBanga labaQalayo ithayimtheyibhile ibizwa ngokuba yinkubo yemihla ngemihla, iquka la macandelo alandelayo:

- Imisebenzi ekhokelwa ngutitshala;
- Izinto ezenziwa rhoqo; kune
- Imisebenzi ekhokelwa ngabafundi okanye imidlalo ekhululekileyo.

Ugxininiso malube sekusetyenzisweni kwezi zakhono kwisicwangciso semihla ngemihla ukukhuthaza ulwazi lwenyumeresi yabaqalalyo ngokuyonwabela nangokufunda. Umzekelo, ekufundeni okukhokelwa ngutitshala inyumeresi ifunyanwa ngexesha lesangqa. Uninzi Iwezangqa lunokunikwa ukuphuhlisa iMathematika kwisangqa sakusasa xa abafundi bebuliswa kujongwa abakhoyo nabangekhoyo; lithuba lokufundisa amanani nokubala. Kwezinye izangqa, ezinjengezangqa zeMathematika, izangqa zamalungu asetyenziswa ukubona , ukushukuma, umculo nezangqa zobugqi zinokuncedisa ukufundisa iMathematika.

Imisebenzi yobugcisa bokuyila inokubethelela kwiMathematika, umzekelo, kusetyenziswe iimilo zejiyometri njengezangqa nezikwere ukwenza ikholaji okanye ukuyila iipateni zokwenza ifreyimi yemifanekiso. Itshati yemozulu,

ikhalaenda neengoma zeentsuku zokuzalwa zinika ixesha lokufundisa izakhono zeMathematika. Lulwazi lukatitshala olunokupuhhlisa imfundu yabafundi.

- *Indlela zokwenza izinto*, apho abafundi bathatha inxaxheba, njengexesha lokutya, ukufika, ixesha lokugoduka, ixesha lokuya ezimfanelweni (ngasese), zonke ezo zinto zinokusetyenziswa ukufundisa iMathematika. Abafundi abanxibe bomvu, umzekelo, yiya ezimfanelweni (ngasese) (imibala kanye namanani aqhelekileyo), umfundu ngamnye ufumana ipleyiti kanye nesonka (ungqamaniso lwamanani), uThandi ufunu isonka sesibini, uMandla yena wanele. Le nto ikhokelela kumathuba okufundisa, ngamanye amazwi, ukuba ngumcebisi wokufundisa.
- Ngexesha lokudlala utitshala angakhuthaza ukufundisa kweMathematika yabaqalayo kwiindawo ezilungiselelwé ukudlala. Imdlalo yangaphandle enjengokugwencela (ukukhwela) emaplangeni okanye ukuqhube ibhayisekile kunokukhuthaza isigama esinjengokunyuka/ ukwehla, ezantsi/ phezulu, ukukhawuleza/ ukucotha, phezulu/ ezantsi, njl. Imdlalo yesanti namanzi iza kuqinisa ulwazi lwezakhono ezinjengobunzima, nomthamo. Yonke le misebenzi ikhuthaza izakhono zamalungu omzimba, ikhuthaza ukufundisa esikolweni ilitheresi nenyumeresi. Nantsi imizekelo yezi zakhono:
  - Ukupuhhlisa ulwazi lwendawo yesithuba, umzekelo emva, phambili, ngaphantsi, emva kwento (umzekelo, le nto ingayanyanisa nendawo yenani kwiMathematika); kanye
  - Nezalathiso kanye namacala (zinganxulumanisa namanani nokubhala iileta nasekufundeni ukunene nasekhohlo).

Le nto sithetha ngayo apha ngentla ibonisa indlela iBanga labaQalayo eliphuhlisa ukusombulula iingxaki, ukucinga ngengqiqo nemfundu yokuba ngabemi ngenxa yokubethelala ukuba ngabafundi abasebenzisanayo nabaxoxisanayo. Ngokusebenzisa amathuba afundisekayo, utitshala makakhuthaze abafundi ukuba bajonge iziggibo abazithathayo baqikelele okunokwenzeka, umzekelo, ukuba isikhongozeli esisetyenziswe ngexesha ebesesisetenziswe kumdlalo wamanzi singathatha amanzi angaphezu kwesinye isikhongozeli.

Ngokunika ingcebiso aze acele umngeni kubantwana ukuba bacinge ngezinye iindlela zokusombulula iingxaki, aphinde abakhuthaze ukuba bacinge nzulu ngezizathu nangezigqibo abathi bazithathe. Ngale ndlela yokucinga awuncedi iMathematika kuphela, koko uphuhlisa ulwazi ngokupheleleyo yaye izizathu zikaCAPS ziaphuhliseka kakhulu.

*Indlela zokuhlaziya kwiBanga labaQalayo* mazibe zezinganyanzelisi ukubhala uvavanyo yaye abantwana maBangafakwa kuxinzelelo lokubhala uvavanyo. Ngenxa yesi sizathu, imisebenzi yokuHlola ayifakwanga kulo mqulu kaCAPS. Umsebenzi ngamnye wovavanyo mawulungiswe ngobunono ukwenzela ukuba unxulumanise izakhono ezininzi.

KwiBanga labaQalayo uvavanyo lwenziwa ngokujonga, utitshala erekhodisha esebebenzisa itshekhillisti. Loo nto inika indlela aqhuba ngayo umfundu ngamnye wonyaka wonke, ubunzima abufumeneyo neendawo ebegqwese kuzo. Olu hlolo luncheda ukukhawulelana neengxaki nendawo agqwesa kuzo ukuba ziqhubele phambili.

Indlela yakudala, yokufundisa abafundi bevaleleke kwigumbi lokufundela engenakudlala mayingasetyenziswa, nanjengoko ingakukhuthazi ukufunda inyumeresi ngokugqibeleleyo komfundu okwisiGaba sabaQalayo. IBanga labaQalayo malingenziwa iBanga loku-1. Eli Banga linezalo iimpawu ezibonisa indlela abantwana abakule minyaka abazifumanela ngayo ubomi jikelele, ulwazi, izakhono, nendlela yokuziphatha eza kubanika amathuba kwiminyaka ezayo yokufunda okuseSikweni.

# MATHEMATIKA IBANGA LABAQALAYO (R)

## INKQUBO YEMIHLA-NGEMIHLA: IBANGA LABAQALAYO (R)

(Ukusaka ± 7:30 – 13:00)

UKUFIKA NEMIDLALO		IIWIMI IZIBALO IZAKHONO ZOBOMI	IZIBALO
Ama- 36 emiz	Ukubulisa limini Zokuzalwa Irejista lindaba		<ul style="list-style-type: none"> <li>Imisebenzi Esekelwe Kwikharithyulam (Caps) (Izibalo)</li> <li>lingoma Nomculo</li> <li>Imisebenzi Efuna Ucinge</li> <li>Izicengcelezo Zokubala</li> <li>lingxoxo Ngezihloko</li> <li>Umfuniselo Wezenzululwazi</li> <li>Imidlalo Yokuzikhethela</li> <li>Okwenziwa Imihla Ngemihla</li> </ul>
Ama- 50 emiz	IMISEBENZI IIWIMI EKHOKELWAYO Izibalo NGUTITSHALA Izakhono zobomi	<ul style="list-style-type: none"> <li>IMISEBENZI YOBUGCISA (yonke imihla: undoqo -1 +2/3 imisebenzana exhasayo)</li> <li>UKUDLALA IMIDLALO YOKUZIKHETHELA EKLASINI</li> </ul>	<ul style="list-style-type: none"> <li>Imidlalo yelizwe lokuzakhela</li> <li>Imidlalo yokulinganisa</li> <li>Ukwakha</li> <li>Ukudlala ngeebhloko</li> <li>lithoyi zokufunda</li> <li>Imidlalo yokusebenzisa ukucinga</li> <li>lipazili</li> <li>Ikona yeencwadi</li> <li>Ixesha lokuthula</li> </ul>
Ama- 30 emiz	IMISEBENZI IIWIMI EKHOKELWA Izibalo NGUTITSHALA Izakhono zoomi		
I-10 lemiz	IXESHA LOKUYA KUZIKHULULA (NGASESE) uLwimi, IziBalo, IzaKhono zoBomi		
Ama- 20 emiz	IXESHA LOKUTYA uLwimi, IziBalo, IzaKhono zoBomi		
Ama- 60 emiz	Ukudlala Imidlalo Yokuzikhethela Eklasini Ze Kucocwe.	<ul style="list-style-type: none"> <li>Umdlalo Ngamanzi</li> <li>Umdlalo Ngesanti</li> <li>Umdlalo Ngokulinganisa</li> <li>libhola</li> <li>Oojingi</li> <li>lithoyi Zamavili</li> <li>lithoyi Zokufunda</li> <li>Ijangili jim</li> <li>Amatayara</li> <li>Imithambo</li> <li>Imidlalo</li> </ul>	<ul style="list-style-type: none"> <li>Imisebenzi esekelwe kwi-kharityhulam (caps)</li> <li>(Ulwimi lwasekhaya)</li> <li>Amabali</li> <li>Ukudlala eqongeni</li> <li>lincwadi/imifanekiso</li> <li>Ukfunda imifanekiso</li> <li>lingxoxo</li> <li>Imisebenzi efuna ucinge</li> <li>Ipowusta yomzali</li> <li>lleta yomzali</li> <li>lindaba</li> <li>Imibongo nezicengcelezo</li> <li>Umculo/lingoma</li> <li>Izikali/ iiteyiphu</li> <li>lingxoxo ngezihloko</li> <li>Imisebenzi yoluntu</li> <li>Ezenziwa imihla ngemihla</li> <li>Imidlalo yokuzikhethela</li> </ul>
I-10 lemiz	IXESHA LOKUYA KUZIKHULULA uLwimi, IziBalo, IzaKhono zoBomi		
Ama- 30 emiz	IMISEBENZI IIWIMI EKHOKELWAYO Izibalo NGUTITSHALA Izakhono zobom		
Ama- 30 emiz	IBALI Yonke imihla		
Ixesha lokuphumla/ lokuthula ze kugodukwe			

## 2.9 IZIXHOBO EZICETYSWAYO: IGUMBI LESIGABA ESISISISEKO

- Izinto zokubala
- idayisi elikhulu
- ifreyim enkulu yokubala
- itshati yobude
- iposta enkulu ka-1 – 100 neka-101 – 200 (itshati ye-100)
- iintlobo ezahlukeneyo zomgca-manani
- iseti yefladi-khadi(Flard cards)
- imali yokudlala — umwangalala nengamaphepha
- ikhalenda yonyaka esikuwo
- iwotshi yosiba enkulu yodonga
- isikali
- iibhloko zokwakha
- udongwe
- iintlobo zeebhokisi ngokweemilo nobungakanani obuvela emakhaya
- iintlobo zeebhotile zeplastiki nezikhongozeli zokubonisa ubungakanani
- imizekelo yesifiye/ingqukumba (sphere) (ibhola), amaxande, ityhubhu, ikhowuni, ipiramidi kanye nesilinda. Utitshala angazenzela ezakhe izixhobo.
- liplastiki, amakhalibodi azizikwere, amaxande ahlukeneyo, izangqa, oonxantathu beendidi zobukhulu
- Imidlalo yeMathematika, umzekelo, iLudo, inyoka neleli, iiphazili ejijiko-jiko, idomino, iTangram, njl.
- Ezifunekayo kwiBanga labaQalayo (R) neloku-1:
- lindawo zesanti nokudlala ngamanzi
  - Izixhobo zokugwencela, zokuncekelela, zooswingi nezooggaphu
  - Ivenkile yomdlalo nezinto zokuthengwa ngemali yokudlala
  - Imidlalo exutyiwego enjengothi ‘yintoni esesikwereni’?
  - iibhloko

## ISAHLUKO SESI- 3: INKCAZELO YOMXHOLO

### 3.1 INTSHAYELELO

KuMjikelo weMfundu noQeqesho Jikelele kukho iinkalo ezintlanu zemixholo yeMathematika:

- Amanani, ii-Opareyshini noLwalamano.
- Iipateni, iiFankshini/ifankshini i ne-aljibra.
- Isithuba nemilo (Ijiyometri).
- Umlinganiselo.
- Ukusebenza ngolwazi oluqokelekweyo.

Umxholo wenkalo nganye uyacazululwa ubo zizihloko zeMathematika, umzekelo, kwisiThuba neMilo kwisiGaba esisisiSeko isihloko esinye sineemilo ezinokwakheka kuka (2-D). Iingqiqo nezakhono zixeliweyo kwisihloko ngasinye. ICandelo lesi-3 leNkcazeloyePolisi kaZwelonke yeKharityhulam nokuHlola linika lize licacise ngomxholo weMathematika ofunekayo.

### 3.2 INKCAZELO YOMXHOLO UKUBONISA INKQUBELA-PHAMBILI

litheyibhile zesigaba ezingamagqabantshintshi zibonisa inkcazeloyeengqiqo nezakhono nenqubela-phambili ukusuka kwiBanga labaQalayo ukuya kwelesi-3.

Nangona kunjalo, kwizihloko ezithile, iingqiqo nezakhono ziyafana kumaBanga amabini okanye amathathu alandeelanayo. Ingcaciso ngomxholo iza kukunika izikhokelo ngendlela inkqubela-phambili efanele ukuba imiliselwe ngayo. Okufumaneka kumxholo othile makufundwe kune nangcaciso ngomxholo lowo.

**Amaggabantshintshi ngesiGaba esisisiSeko** abonisa inkqubela-phambili ngeenkalo zomxholo; Ukubala ngamanani nolwalamano, iipateni, imisebenzi ne-aljibra, umlinganiselo nokusetyenziswa kolwazi/ datha kwiBanga labasaQalayo – ukuya kwelesi-3 njengoko kuxeliwe kule theyibhile ingasezantsi:

**AMAGQABANTSHINTSHI ESIGABA ESISEKO**  
**1. AMANANI, II-OPAREYSHINI NOLVALAMAMO**

**Inkubela-phambili yamanani, ukubala nolwalamano.**

- Inkubela-phambili engundoqo kumanani, ukubala nolwalamano yenzeka ngeendela ezintathu:
  - Uluhlu lwamanani luyanda.
  - Lindidi ezahlukeneyo zamanani ziayafundiswa.
  - Lindlela zokubala ziayaguquka.
- Njengokuba ummandla wamanani owenza izibalo usanda ukuya kwibanga lesi-3, abafundi kufanele babe neendela ezichanelekileyo zokubala.
- Imeko-bume mayithathelwe ingqalelo uluhlu lwamanani lweBanga kunye nokukwazi ukubala kwabafundi.

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
<b>UKUPHUHLISA INGQIQO YAMANANI: Bala ngamanani apheleleyo.</b>				
1.1	<b>Bala izinto eziphathekayo.</b>  Bala izinto eziphathekayo.  Qikelela uze ubale uye kufika kuma-50 ezinto ezisetyenziswayo imihla ngemihla ngokuzithembra. Kukhuthazwa ukubala ngokuqukanisa.	<b>Bala izinto eziphathekayo.</b>  Qikelela uze ubale uye kufika kuma-200 ezinto ezisetyenziswayo imihla ngemihla ngokuzithembra. Kukhuthazwa ukubala ngokuqukanisa.	<b>Bala izinto eziphathekayo.</b>  Qikelela uze ubale uye kufika kuma-200 ezinto ezisetyenziswayo imihla ngemihla ngokuzithembra. Kukhuthazwa ukubala ngokuqukanisa.	<b>Bala izinto eziphathekayo.</b>  Qikelela uze ubale uye kufika kuma-200 ezinto ezisetyenziswayo imihla ngemihla ngokuzithembra. Kukhuthazwa ukubala ngokuqukanisa.
1.2	<b>Bala usiya phambili, ubale ubuya umva.</b>  Bala uye phambili nasemva ngezinye ukusuka kwisi-1 ukuya kwi-10; Sebenza izingqisho neengoma zamanani.	<b>Bala uye phambili.</b>  Bala uye emva naphambili ngezinye ukusuka kwisi-1 ukuya kwi-100. Ngama-10 ukusukela kwisiminzi sama-10 phakathi kwi-0 nama-200.	<b>Bala uye phambili.</b>  Bala uye phambili: <ul style="list-style-type: none"> <li>• Ngama-10 ukusukela kulo naliphi inani eliphakathi kwe-0 nama-200.</li> <li>• Ngama-10 ukusukela kwisiminzi sama-10 phakathi kwi-0 nama-200.</li> <li>• Ngama-10 ukusukela kulo naliphi inani eliphakathi kwe-0 nama-200.</li> <li>• Ngama-10 ukusukela kwisiminzi sama-10 phakathi kwi-0 nama-200.</li> <li>• Ngama-10 ukusukela kwisiminzi sezi-5 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-5 ukusukela kwisiminzi sezi-5 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-5 ukusukela kwisiminzi sezi-5 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-2 ukusukela kwisiminzi sezi-5 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-2 ukusukela kwisiminzi sezi-2 phakathi kwe-0 nama-100.</li> <li>• Ngazezi-3 ukusukela kwisiminzi sezi-3 phakathi ko-0 nama-200.</li> <li>• Ngazezi-3 ukusukela kwisiminzi sezi-3 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-4 ukusukela kwisiminzi sezi-4 phakathi kwe-0 nama-200.</li> <li>• Ngazezi-4 ukusukela kwisiminzi sezi-4 phakathi kwe-0 nama-50.</li> <li>• Ngama-20, ngama-25, ngama-50 ne-100 ukuya kwi-1000.</li> </ul>	<b>Bala izinto eziphathekayo.</b>  Qikelela uze ubale uye kufika kwi-1000 lezinto ezisetyenziswayo imihla ngemihla ngokuzithembra. Kukhuthazwa ukubala ngokuqukanisa.

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
<b>UKUPHUHLISA INGQIQO YAMANANI:</b> Ukumela amanani azeleyo.				
1.3 lisimboli zamanani namagama amanani	<b>Qaphela, gqala uze ufunde amanani.</b> <ul style="list-style-type: none"> <li>Qaphela, gqala uze ufunde lisimboli zamanani ukusuka ku-1 ukuya kwi-10.</li> <li>Qaphela, gqala uze ufunde amagama amanani ukusuka ku-1 ukuya kwi-10.</li> <li>Bhala iisimboli zamanani ukusuka ku-1 ukuya kuma-20.</li> <li>Qaphela, gqala uze ufunde amagama amanani ukusuka ku-1 ukuya kwi-10.</li> <li>Bhala amagama amanani ukusuka ku-1 ukuya kwi-10.</li> </ul>	<b>Qaphela, gqala uze ufunde amanani.</b> <ul style="list-style-type: none"> <li>Qaphela, gqala uze ufunde lisimboli zamanani ukusuka ku-1 ukuya kwi-100.</li> <li>Bhala iisimboli zamanani ukusuka ku-1 ukuya kwi-100.</li> <li>Qaphela, gqala uze ufunde amagama amanani ukusuka ku-1 ukuya kwi-100.</li> <li>Bhala amagama amanani ukusuka ku-1 ukuya kwi-100.</li> </ul>	<b>Qaphela, gqala uze ufunde amanani.</b> <ul style="list-style-type: none"> <li>Qaphela, gqala uze ufunde lisimboli zamanani ukusuka ku-1 ukuya kwi-200.</li> <li>Bhala iisimboli zamanani ukusuka ku-1 ukuya kwi-100.</li> <li>Qaphela, gqala uze ufunde amagama amanani ukusuka ku-1 ukuya kwi-100.</li> <li>Bhala amagama amanani ukusuka ku-1 ukuya kwi-100.</li> </ul>	<b>Qaphela, gqala uze ufunde amanani.</b> <ul style="list-style-type: none"> <li>Qaphela, gqala uze ufunde lisimboli zamanani ukusuka ku-1 ukuya kwi-1000.</li> <li>Bhala iisimboli zamanani ukusuka ku-1 ukuya kwi-1000.</li> <li>Qaphela, gqala uze ufunde amagama amanani ukusuka ku-1 ukuya kwi-1000.</li> <li>Bhala amagama amanani ukusuka ku-1 ukuya kwi-1000.</li> </ul>

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
1.4	<b>Chaza, thelekisa uze ucwangcise amanani ukuya kutsho kuma-20.</b>  • Chaza uze uthelekise amanani azeleyo ngokobuncinane kuelinye, ubukhulu kuelinye nokuba ngaphezulu kuelinye, ngokuba ngaphantsi kuelinye, nokulingana nelinye.	<b>Chaza, thelekisa uze ucwangcise amanani ukuya kutsho kuma-99.</b>  • Chaza uze uthelekise amanani azeleyo ukuya kuma-99 ngokobuncinane kuelinye, ubukhulu kuelinye nokuba ngaphezulu kuelinye, ngokuba ngaphantsi kuelinye, nokulingana nelinye.	<b>Chaza, thelekisa uze ucwangcise amanani ukuya kutsho kuma-99.</b>  • Chaza uze uthelekise amanani azeleyo ukuya kuma-99 ukusukela kuelona lincinane ukuya kuelona likhulu nokusukela kuelona likhulu ukuya kuelona lincinane.	<b>Chaza, thelekisa uze ucwangcise amanani ukuya kutsho kuma-99.</b>  • Chaza uze uthelekise amanani azeleyo ukuya kuma-99 ukusukela kuelona lincinane ukuya kuelona likhulu nokusukela kuelona likhulu ukuya kuelona lincinane.
	<b>Sebenzisa amanani aqhelekileyo ukubonisa ucwangciso, indawo okanye ubume.</b>  Phuhisa ulwazi ngamanani aqhelekileyo, umzekelo, okukuqala, okwesibini, okwesithathu ukuya kweyesithandathu neyokugqibela.	<b>Sebenzisa amanani aqhelekileyo ukubonisa ucwangciso, indawo okanye ubume.</b>  Beka izinto emgenci ukusukela kweyokuqala ukuya kweyeshumi okanye eyokuqala ukuya kweyokugqibela, umzekelo, eyokuqala, eyesibini, eyesithathu..... kweyamashumi amabini.	<b>Sebenzisa amanani aqhelekileyo ukubonisa ucwangciso, indawo okanye ubume.</b>  Beka izinto emgenci ukusukela kweyokuqala ukuya kweyeshumi okanye eyokuqala ukuya kweyokugqibela, umzekelo, eyokuqala, eyesibini, eyesithathu..... kweyamashumi amabini.	<b>Sebenzisa amanani aqhelekileyo ukubonisa ucwangciso, indawo okanye ubume.</b>  Sebenzisa, funda uze ubhale amanani aqhelekileyo, kuquqa ukushunquela (okokuqala, okwesibini, okwesithathu ukuya kweyama-31).
	<b>UKUPHUHLISA INGQIQO YAMANANI: Ixabiso lendawo elimi kuyo inani</b>	<b>Qalisa ukugonda ixabiso lendawo elimi kuyo inani ubuncinane amanani amivo mi-2 ukuya kuma-20.</b>  Phuhisa ulwazi ngamanani aqhelekileyo, umzekelo, okukuqala, okwesibini, okwesithathu ukuya kweyesithandathu neyokugqibela.	<b>Qalisa ukugonda ixabiso lendawo elimi kuyo inani ubuncinane amanani amivo mi-2 ukuya kwi-99.</b>  Cazulula amanani amivo mi-2 abe zizininzi ze-10 kune nemivo (neeyunithi).	<b>Qaphela ixabiso lendawo ame kuyo amanani amivo mi-3 ukuya ku-99.</b>  Cazulula amanani amivo mi-2 ukuya kwi-99 abe zizininzi ze-10 kune nemivo.
	<b>SOMBULULA INGXAKI ZOKUBALA KWIMEKO ETHILE</b>	<b>1.5</b>  <b>Ixabiso lendawo elimi kuyo inani.</b>	<b>1.5</b>  <b>Ixabiso lendawo elimi kuyo inani.</b>	<b>1.6</b>  <b>Iindlela ngeendlela kusombulula lingxaki zezibalo</b>
				  Sebenzisa iindlela ngeendlela ezilandelayo xa usombulula lingxaki zezibalo nokuchaza izisombululo kwilingxaki zezibalo:  Sebenzisa iindlela ngeendlela ezilandelayo ukuya kutsho kwi-10: • Izixhobo eziphathekayo, umzekelo, liikhawunta / izixhobo zokubala.

# MATHEMATIKA IBANGA LABAQALAYO (R)

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
1.6 <b>lindlela ngeendlela zokusombulula ingxaki zezibalo</b>	<ul style="list-style-type: none"> <li>lleli yamanani aphathekayo.</li> <li>Iziixhobo eziphathekayo, umzekelo, iikhawunta / izixhobo zokubala.</li> <li>Imifanekiso yokuzoba ibali ngezibalo.</li> <li>Ukwakha nokucazulu amanani.</li> <li>Ukuphindaphinda nokwahluhluhlu amanani.</li> <li>Imigca-manani.</li> <li>Ukuwelisela inani kumashumi.</li> </ul>	<ul style="list-style-type: none"> <li>Imizoboo okanye izixhobo eziphathekayo, umzekelo, iikhawunta / izixhobo zokubala.</li> <li>Ukwakha nokucazulu amanani.</li> <li>Ukuphindaphinda nokwahluhlu amanani.</li> <li>Imigca-manani.</li> </ul>	<ul style="list-style-type: none"> <li>Ukwakha nokucazulu amanani.</li> <li>Ukuphindaphinda nokwahluhlu amanani.</li> <li>Imigca-manani.</li> </ul>	<ul style="list-style-type: none"> <li>Ukwakha nokucazulu amanani.</li> <li>Ukuphindaphinda nokwahluhlu amanani.</li> <li>Imigca-manani.</li> </ul>
1.7 <b>Ukudikanisa okuthabatha.</b>	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo kuquka ukudibanisa nokuthabatha ngeempendulo ukuya kutsho kuma-99.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo kuquka ukudibanisa nokuthabatha ngeempendulo ukuya kutsho kuma-99.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo kuquka ukudibanisa nokuthabatha ngeempendulo ukuya kutsho kuma-99.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo kuquka ukudibanisa nokuthabatha ngeempendulo ukuya kutsho kuma-99.
1.8 <b>Ukudikanisa okuphindiweyo okukhokelela kuphindaphindo lwamanani.</b>	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo kuquka ukudibanisa nokuthabatha ngeempendulo ukuya kutsho kuma-20.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo usebenzisa ukudibanisa ngokuphindaphindeneyo rophilindaphindo oluneempendulo ukuya kuma-50.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo usebenzisa ukudibanisa ngokuphindaphindeneyo rophilindaphindo oluneempendulo ukuya kuma-50.	Sombulula iingxaki zokubala izibalo (amabali ngezibalo) ngokusemxholweni ucacisa isisombululo sakho kwilingxaki zezibalo usebenzisa ukudibanisa ngokuphindaphindeneyo rophilindaphindo oluneempendulo ukuya kuma-50.
1.9 <b>Ukwahlula ngokwamaqela nokwaba ngokulinganayo okukhokelela kulwahlulwa- hlulo.</b>	Sombulula uze ucacise izisombululo kwilingxaki zezibalo zamagaama ngokusemxholweni (izibalo zamazwi) eziqika ukwaba ngokulinganayo, ukwahluhlu ngokwamaqela ngamanani azeleyo ukuya kutsho kuma-20 kune neempendulo eziqika iintsalela.	Sombulula uze ucacise izisombululo kwilingxaki zezibalo abafundi kuquka ukwaba ngokulinganayo nokwahluhlu ngokwamaqela amanani azeleyo ukuya kutsho kuma-50 kune neempendulo eziqika iintsalela.	Sombulula uze ucacise izisombululo kwilingxaki zezibalo abafundi kuquka ukwaba ngokulinganayo nokwahluhlu ngokwamaqela ukuya kutsho kwi-100 kune neempendulo eziqika iintsalela.	Sombulula uze ucacise izisombululo kwilingxaki zezibalo abafundi kuquka ukwaba ngokulinganayo nokwahluhlu ngokwamaqela ukuya kutsho kwi-100 kune neempendulo eziqika iintsalela.
1.10 <b>Ukwaba ngokulinganayo okukhokelela kumaqhezu.</b>				Sombulula uze ucacise izisombululo kwilingxaki zezibalo eziqika ukwaba ngokulinganayo kuhokelele kwizisombululo eziquka amahezu amanyananga namanyeneyo.

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
1.11 Imali	Phuhlisa ulwazi ngemali ezinkozo/ engumwangala nengamaphephya yebhanki yaseMzantsi Afrika.	<ul style="list-style-type: none"> <li>Gaphela uze ufundise ngemali ezinkozo yaseMzantsi Afrika (i-5c, i-10c, i-20c, i-50c, i-R1, i-R2, i-R5) kунye nemali engamaphephya eyi-R10 nama-R20.</li> <li>Sombulula iingxaki zemali eziquka itotali netshintshi ye-R20 kүnye neesenti ukuya kuma-20c.</li> </ul>	<ul style="list-style-type: none"> <li>Gaphela uze ufundise ngemali ezinkozo yaseMzantsi Afrika (i-5c, i-10c, i-20c, i-50c, i-R1, i-R2, i-R5) kүnye nemali engamaphephya eyi-R10, i-R20 nama-R50.</li> <li>Sombulula iingxaki zezemali eziquka itotali netshintshi ye-R99 kүnye neesenti ukuya kuma-90c.</li> <li>Guqla phakathi kweerandi neesenti.</li> </ul>	<ul style="list-style-type: none"> <li>Qaphela uze ufundise ngemali ezinkozo yaseMzantsi Afrika kүnye nemali engamaphephya.</li> <li>Sombulula iingxaki ezingemali eziquka itotali netshintshi ngokweerandi okanye ilisenti.</li> <li>Guqla phakathi kweerandi neesenti.</li> </ul>
<b>IZIBALO EZINGALAWULWA-MEKO</b>				
1.12 Ubuchule bokubala (lindela)		<p>Sebenzisa iindlela ngeendlela ezilandelayo zokubala xa usenza izibalo:</p> <ul style="list-style-type: none"> <li>Imizobo okanye izixhobo eziphathhekayo, umzekelo, iikhawunta / izixhobo zokubala.</li> <li>Ukwakha nokucazulula amanani.</li> <li>Ukuphindaphinda nokwahlulahlula amanani.</li> <li>Imigca-manani.</li> </ul>	<p>Sebenzisa iindlela ngeendlela ezilandelayo zokubala xa usenza izibalo:</p> <ul style="list-style-type: none"> <li>Imizobo okanye izixhobo eziphathhekayo, umzekelo, iikhawunta / izixhobo zokubala.</li> <li>Ukwakha nokucazulula amanani.</li> <li>Ukuphindaphinda nokwahlulahlula amanani.</li> <li>Imigca-manani.</li> </ul>	<p>Sebenzisa iindlela ngeendlela ezilandelayo zokubala xa usenza izibalo:</p> <ul style="list-style-type: none"> <li>Ukuwelisa inani kumashumi.</li> </ul>
1.13 Ukudibanisa nokuthabatha.		<ul style="list-style-type: none"> <li>Dibanisa ukuya kuma-20.</li> <li>Thabatha ukusuka kuma-20.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (+, -, =, □)</li> <li>Qhelanisa iibhondi zamanani ukuya kwi-10.</li> </ul>	<ul style="list-style-type: none"> <li>Dibanisa ukuya kuma-99.</li> <li>Thabatha ukusuka kuma-99.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (+, -, =, □).</li> <li>Qhelanisa iibhondi zamanani ukuya kuma-20.</li> </ul>	<ul style="list-style-type: none"> <li>Dibanisa ukuya kuma-99.</li> <li>Thabatha ukusuka kuma-99.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (+, -, =, □).</li> <li>Qhelanisa iibhondi zamanani ukuya kuma-30.</li> </ul>
1.14 Ukudibanisa ngokuphind phindiweyo okukhokelela kuphindaphindo lwamanani.		<ul style="list-style-type: none"> <li>Dibanissa inani elinye ngokuphind phindiweyo ukuya kutsho kuma-20.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (+, -, =, □).</li> </ul>	<ul style="list-style-type: none"> <li>Phindaphinda amanani ngo-1 ukuya kwi-10 ngo-2, 5, 3 kүnye no-4 kwitotali engama-50.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (+, -, =, □).</li> </ul>	<ul style="list-style-type: none"> <li>Phindaphinda ngalo naliphi inani ngo-2, 3, 4, 5, 10 ukuya kwitotali eli-100.</li> <li>Sebenzisa iiisimboli ezifanelekileyo (x, □).</li> </ul>

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ISILOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
1.15 Ukwahlulahula.			<p><b>Inqqiqo ngamanani: Uluhlu Iwama-20.</b></p> <ul style="list-style-type: none"> <li>Xela inani phambi nasemva kwenani elinikiweyo.</li> <li>Cwangcisa iseti enikiweyo yamanani akhethiweyo.</li> <li>Thelekissa amanani ukuya kutsho kuma-20 uze uxele ukuba u-1, 2, 3, 4, 5 kunye no-10 ungaphantsi okanye ungaphezulu.</li> </ul>	<ul style="list-style-type: none"> <li>Hlulahlula amanani ukuya kuma-99 ngo-2, 3, 4, 5, 10.</li> <li>Sebenzissa iisimboli ezifanelekleleyo (<math>\div</math>, <math>=</math>, <math>\square</math>).</li> </ul>
1.16 Izibalo zentioko.			<p><b>Inqqiqo ngamanani: Uluhlu Iwama-99.</b></p> <ul style="list-style-type: none"> <li>Cwangcisa iseti enikiweyo yamanani akhethiweyo.</li> <li>Thelekissa amanani ukuya kutsho kuma-99 uze uxele ukuba u-1, 2, 3, 4, 5 kunye no-10 ungaphantsi okanye ungaphezulu.</li> </ul>	<p><b>Inqqiqo ngamanani: Uluhlu Iwama-99.</b></p> <ul style="list-style-type: none"> <li>Cwangcisa iseti enikiweyo yamanani akhethiweyo.</li> <li>Thelekissa amanani ukuya kutsho kuma-99 uze uxele ukuba u-1, 2, 3, 4, 5 kunye ne-10 ungaphantsi okanye ungaphezulu.</li> </ul>

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
		<p><b>Iindlela zokubala</b></p> <ul style="list-style-type: none"> <li>Sebenzisa iindlela zokubala ukudibaniса nokuthabatha ngokukuko:</li> <li>Beka inani elikhudlwana kuqala ukuze ubale ukuya phambili okanye ngasemva.</li> <li>Umgca-manani.</li> <li>Ukuphindaphinda nokwahluhluhlu amanani.</li> <li>Ukwakha nokucazullula amanani.</li> <li>Sebenzisa ulwalamano phakathi kokudibaniса nokuthabatha.</li> </ul>	<p><b>Iindlela zokubala</b></p> <ul style="list-style-type: none"> <li>Sebenzisa iindlela zokubala ukudibaniса nokuthabatha ngokukuko:</li> <li>Beka inani elikhudlwana kuqala ukuze ubale ukuya phambili okanye ngasemva.</li> <li>Umgca-manani.</li> <li>Ukuphindaphinda nokwahluhluhlu amanani.</li> <li>Ukwakha nokucazullula amanani.</li> <li>Sebenzisa ulwalamano phakathi kokudibaniса nokuthabatha.</li> </ul>	<p><b>Iindlela zokubala</b></p> <ul style="list-style-type: none"> <li>Sebenzisa iindlela zokubala ezilandelayo:</li> <li>Beka inani elikhudlwana kuqala ukuze ubale ukuya phambili okanye ubuya umva.</li> <li>Umgca-manani.</li> <li>Ukuphindaphinda nokwahluhluhlu amanani.</li> <li>Ukwakha nokucazullula amanani.</li> <li>Sebenzisa ulwalamano phakathi kokudibaniса nokuthabatha.</li> <li>Sebenzisa ulwalamano phakathi kokuphindaphinda nokwahluhluhlu.</li> </ul>

**2. IPATENI, ISPHUMO SENTSEBENZISWAMO YAMANANI / IFANKSHINI NE-ALJIBRA**

**Inkubela-phambili kwiipateni, ifankshini ne-aljibra.**

- Kwiipateni, kwiifankshini ne-aljibra, simika abafundi amathuba:
  - Okugqibezela nokwandisa ipateni ezimelwe ziimo ezahlukeneyo.
  - ukukhetha nokuchaza ipateni.
- Ukuchaza ipateni sisiseko sabafundi kwisiGaba esipPhakathi ukuchaza imithetho ngeepateni. Oku kwensiwa ngokuseSikweni kumsebenzi we-aljibra kwisiGaba esipPhuezulu.

ISIHLOKO	IBANGA LABAQALAYO	IBANGA LOKU-1	IBANGA LESI-2	IBANGA LESI-3
<b>2.1</b> <b>ipateni zejiometri</b>	<b>Ukukhuphela nokwandisa</b>	<b>Ukukhuphela, ukwandisa nokuchaza.</b>	<b>Ukukhuphela, ukwandisa nokuchaza.</b>	<b>Ukukhuphela, ukwandisa nokuchaza.</b>
	<ul style="list-style-type: none"> <li>Ukukhuphela nokwandisa ipateni ezilula usebenzisa izinto nerizobo (umzekelo, ukusebenzisa imbalala neemilo).</li> </ul>	<ul style="list-style-type: none"> <li>Ukukhuphela, ukwandisa nokuchaza amagama.</li> <li>ipateni ezilula ezenziwe ngezinto eziphathetekayo.</li> <li>ipateni ezilula ezenziwa ngemizobo yemigca, iimilo okanye izinto.</li> </ul>	<ul style="list-style-type: none"> <li>ipateni ezinzima ezenziwe ngezinto eziphathetekayo.</li> <li>ipateni ezinzima ezenziwa ngemizobo yemigca, iimilo okanye izinto.</li> </ul>	<ul style="list-style-type: none"> <li>Ukukhuphela, ukwandisa nokuchaza amagama.</li> <li>ipateni ezinzima ezenziwe ngezinto eziphathetekayo.</li> <li>ipateni ezinzima ezenziwa ngemizobo yemigca, iimilo okanye izinto.</li> </ul>
<b>2.2</b> <b>ipateni zamanani</b>		<b>Ukuyila nokuchaza ipateni zakho.</b>	<b>Ukuyila nokuchaza ipateni zakho.</b>	<b>Ukuyila nokuchaza ipateni zakho.</b>
		<ul style="list-style-type: none"> <li>Ukuyila ipateni zakho zejiyometri.</li> <li>Ngezinto eziphathetekayo.</li> <li>Ngokuzoba imigca, iimilo okanye izinto.</li> </ul>	<ul style="list-style-type: none"> <li>Ukuyila ipateni zakho zejiyometri.</li> <li>Ngezinto eziphathetekayo.</li> <li>Ngokuzoba imigca, iimilo okanye izinto.</li> </ul>	<ul style="list-style-type: none"> <li>Ukuyila ipateni zakho.</li> <li>Ngezinto eziphathetekayo.</li> <li>Ngokuzoba imigca, iimilo okanye izinto.</li> </ul>
		<b>ipateni ezsirhangqileyo</b>	<b>ipateni ezsirhangqileyo</b>	<b>ipateni ezsirhangqileyo</b>
		<ul style="list-style-type: none"> <li>Ukukhetha, ukuchaza ngamagama nokukhuphela ipateni zejiyometri</li> <li>Kwindalo,</li> <li>Kubomi bemihla ngemihla,</li> <li>Kwimveli yethu yenkcubeko.</li> </ul>	<ul style="list-style-type: none"> <li>Ukukhetha, ukuchaza ngamagama nokukhuphela ipateni zejiyometri</li> <li>Kwindalo,</li> <li>Kubomi bemihla ngemihla,</li> <li>Kwimveli yethu yenkcubeko.</li> </ul>	<ul style="list-style-type: none"> <li>Ukukhetha, ukuchaza ngamagama nokukhuphela ipateni zejiyometri</li> <li>Kwindalo,</li> <li>Kubomi bemihla ngemihla,</li> <li>Kwimveli yethu yenkcubeko.</li> </ul>
		<b>Ukukopa, ukwandisa nokuchaza.</b>	<b>Ukukopa, ukwandisa nokuchaza.</b>	<b>Ukukopa, ukwandisa nokuchaza.</b>
		<ul style="list-style-type: none"> <li>Ukukopa, ukwandisa nokuchaza ulandelelwano lwamanani olulula ukuya kutsho kuma-100.</li> </ul>	<ul style="list-style-type: none"> <li>Ukukopa, ukwandisa nokuchaza ulandelelwano lwamanani olulula ukuya kutsho kuma-200.</li> </ul>	<ul style="list-style-type: none"> <li>Ukukopa, ukwandisa nokuchaza ulandelelwano lwamanani olulula ukuya kutsho kuma-999.</li> </ul>
		<b>Ukuyila nokuchaza ipateni zakho.</b>	<b>Ukuyila nokuchaza ipateni zakho.</b>	<b>Ukuyila nokuchaza ipateni zakho.</b>

**AMAGQABANTSHINTSHI ESIGABA ESISISEKO**  
**3. ISITHUBA NEMLO (IJYOMETRI)**

### Ukuqhubeke kwindawo nemo

Undoqo wokuqhubeke kwindawo nemo kungaphunyezwaa ngoku:

- bethelela kwiipropati neempawu zemo nezinto kwiBanga ngalinye; kunye
- nokusuka efundeni kolwimi lwendawo nokudityaniswa kvezimvo ezahlukeneyo kwangalaa nto ekufundeni nasekulandeni indela kwimephu ezingekho seSikweni.

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.1 <b>Indawo-bume, ukufumana indawo nembonakalo</b>	<b>Ulwimi lwendawo</b>  Chaza indawo yento malunga nenye umz. ngaphezelu kwenye, ngaphambili, ngasemva, ekunene, ekhohlo, phantsi, phezelu, escaleni	<b>Ulwimi lwendawo</b>  Chaza indawo yento malunga nenye umz. "ngaphezelu kwenye, ngaphambili, ngasemva, ekunene, ekhohlo, phantsi, phezelu, escaleni	<b>Indawo-bume nembonakalo</b> <ul style="list-style-type: none"> <li>• Qonda ze udibaniise iimbonakalo ezahlukeneyo ngezinto ezifanayo yonke imihla</li> </ul>	<b>Indawo-bume nembonakalo</b> <ul style="list-style-type: none"> <li>• Qonda ze udibaniise iimbonakalo ezahlukeneyo ngezinto ezifanayo yonke imihla</li> <li>• Xela into yemiha ngemihla njengoko kuboniswe ubume bayo obungaqahelekanga</li> <li>• Funda, tolka, ze uzobe iiimephu ezingekho seSikweni okanye izimvo eziphezelu zengqokelela yezinto.</li> <li>• Khangelia izinto kwimephu</li> </ul>
		<b>Indawo nesalathiso</b>  Landela izalathiso ukuhamba-hamba eklasini	<b>Indawo nesalathiso</b>  Landela izalathiso ukuhamba-hamba eklasini	<b>Indawo nesalathiso</b> <ul style="list-style-type: none"> <li>• Landela izalathiso ukuhamba-hamba eklasini</li> <li>• Landela imiyalelo ukubeka into enye ngokuhambelana nenyé umz. ukubeka ipensile emva kwebhokisi</li> </ul>
				<b>Indawo nesalathiso</b> <ul style="list-style-type: none"> <li>• Landela izalathiso ukuhamba-hamba eklasini</li> <li>• Nikha izalathiso zokuhamba-hamba eklasini nasesikolweni.</li> <li>• Landela izalathiso ukusuka kwenyé indawo uye kwenye kwimephu engekho seSikweni</li> </ul>

ISILOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.2 Izinto ezinokwakheka kuka 3-D	<b>Uluudwe/ uluhlu lwezinto</b> Khumbula ze uxele izinto ezinokwakheka kuka 3-D eklassini nasemifanekisweni • limilo ezibubbola, eqinleyo • limilo ezibubbokisi	<b>Uluudwe/ uluhlu lwezinto</b> Khumbula ze uxele izinto ezinokwakheka kuka 3-D eklassini nasemifanekisweni • limilo ezibubbola (into engqukuva eqinleyo • limilo ezibubbokisi (into ebondakala ngokufanayo) • lisilinda / imibhobho	<b>Uluudwe/ uluhlu lwezinto</b> Khumbula ze uxele izinto ezinokwakheka kuka 3-D eklassini nasemifanekisweni • limilo ezibubbola (into engqukuva eqinleyo • limilo ezibubbokisi (into ebondakala ngokufanayo) • lisilinda / imibhobho • iiphiramidi • iikhowuni	<b>Uluudwe/ uluhlu lwezinto</b> Khumbula ze uxele izinto ezinokwakheka kuka 3-D eklassini nasemifanekisweni • limilo ezibubbola (into engqukuva eqinleyo • limilo ezibubbokisi (into ebondakala ngokufanayo) • lisilinda / imibhobho • iiphiramidi • iikhowuni

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.3 <b>Imilo enokwakheka kuka 2-D</b>	<b>Uluhlu lweemilo</b> Chaza, hlela ze utheltekise iimilo ezinokwakheka kuka 2-D/ imifanekiso ngokwezi zinto: <ul style="list-style-type: none"><li>• Ubungakanani</li><li>• Umbala</li><li>• Imilo eyimigca nembombo</li></ul>	<b>Uluhlu lweemilo</b> Qonda/khumbula ze uxele iimilo ezinokwakheka kuka 2-D <ul style="list-style-type: none"><li>• Izangqa</li><li>• oonxantathu</li><li>• izikwere</li><li>• iingxande</li></ul>	<b>Uluhlu lweemilo</b> Conda/khumbula ze uxele iimilo ezinokwakheka kuka 2-D <ul style="list-style-type: none"><li>• Izangqa</li><li>• oonxantathu</li><li>• izikwere</li><li>• iingxande</li></ul>	<b>Uluhlu lweemilo</b> Conda/khumbula ze uxele iimilo ezinokwakheka kuka 2-D <ul style="list-style-type: none"><li>• Izangqa</li><li>• oonxantathu</li><li>• izikwere</li><li>• iingxande</li></ul>
3.4 <b>Ulingano-macala (isimetri)</b>	<b>Umpawu zemilo</b> Chaza, hlela ze utheltekise iimilo ezinokwakheka kuka 2-D malunga: <ul style="list-style-type: none"><li>• nobungakanani</li><li>• umbala</li><li>• amacala athe ngqo</li><li>• izangqa</li></ul>	<b>Umpawu zemilo</b> Chaza, hlela ze utheltekise iimilo ei 2-D malunga: <ul style="list-style-type: none"><li>• nobungakanani</li><li>• milo</li><li>• amacala athe ngqo</li><li>• izangqa</li></ul>	<b>Ukuzoba imilo</b> <ul style="list-style-type: none"><li>• Izangqa</li><li>• oonxantathu</li><li>• izikwere</li><li>• iingxande</li></ul>	<b>Ulingano-macala (isimetri)</b> <ul style="list-style-type: none"><li>• khumbula ze wakhe umgca wesimetri kwimilo ezinokwakheka kuka 2-D enemigca neembombo nengenayo</li><li>• Yenza umgca wesimetri ngephepha ellisongiweyo</li></ul>

**AMAGQABANTSHINTSHI ESIGABA ESISISEKO**  
**4. UMLINGANISELO**

**Ukuqhuba noMlinganiselo**

- Undoqo wokuqhuba nomlinganiselo kumaBanga jikele ungaphunyezwa ngokuqalwa kwe:
- Milo/ iifomu ezintsha zomlinganiselo
- Izixhobo ezintsha zomlinganiselo, ukuqala ngeziixhobo ezingekho seSikweni ze udilule kwezo ziseSikweni kubaBanga lesi- 2 nelesi-3
- Iyunithi ezintsha zomlinganiselo ngakumbi kumaBanga lesi -2 nelesi-3.
- Ubalo nokusombulula liingxaki ngomlinganiselo makuthabaththele ingqalelo ubungakanani bomsebenzi osele wenziwe.

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.1 <b>Ixesha</b>	<b>Ukuqingqa ixesha</b>	<b>Ukuqingqa ixesha</b>	<b>Ukuqingqa ixesha</b>	<b>Ukuqingqa ixesha</b>
	<p>Ukuthetha malunga nokudlula kwexesha</p> <ul style="list-style-type: none"> <li>• Ukuthetha ngezinto ezenzeke emini nezo zenzeka ebusuku</li> <li>• Abafundi balandeelanisa iziganeko ezenzeke ngexesha lasemini</li> <li>• Ukulandeelanisa iziganeko ezenzeka rhoqo ebomini babo.</li> </ul>	<p>Ukuthetha malunga nokudlula kwexesha</p> <ul style="list-style-type: none"> <li>• Ukulandeelanisa iziganeko ezenzeka rhoqo ebomini babo.</li> <li>• Ukuthelekisa ubude bexesha usebenzisa ulwimi umz. ende, emifutshane, ekhawulezayo necothayo.</li> <li>• Ukulandeelanisa iziganeko usebenzisa ulwimi umz. izolo, namhlajje, ngomsio.</li> </ul>		

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.1 Ixesha		<p><b>Ukuxela ixesha</b></p> <ul style="list-style-type: none"> <li>Chaza ukuba into yenzeke xesha nini umz. kusasa, emva kwemini, ebusuku, kwangoko/ngethuba, kade</li> <li>Xela ze ulandelelanise iintsuku zeveki neenyanga zonyaka</li> <li>Bhala iintsuku zokuzalwa, kwikhalenda</li> <li>Ixesha ngosuku, ngeziqendu zeeyure, umkhono weyure</li> </ul>	<p><b>Ukuxela ixesha</b></p> <ul style="list-style-type: none"> <li>Funda imhla yekhalenda</li> <li>Bhala iintsuku zokuzalwa, iminyhadala yenkolو, iintsuku zeholide, iziganeko zembali, iziganeko zesikolo ngokwekhalenda</li> <li>Xela ze ulandelelanise iintsuku zeveki neenyanga zonyaka</li> <li>Bhala iintsuku zokuzalwa, iminyhadala yenkolو, iintsuku zeholide, iziganeko zembali, iziganeko zesikolo ngokwekhalenda</li> <li>Ixesha ngosuku, ngeziqendu - liyure - Iziqendu zeyure - Umkhono weyure - Imizuzu</li> <li>iwotshi yosiba newotshi edanyazayo, umz. Ixesha leselula</li> </ul>	<p><b>Bala ubude bexeha nokuhamba kwalo</b></p> <ul style="list-style-type: none"> <li>Sebenzisa ikhalenda ukubala nokuchaza ixesha:</li> <li>- ngosuku,</li> <li>- ngeeveki</li> <li>- neenylanga</li> </ul> <p><b>Bala ubude bexeha nokuhamba kwalo</b></p> <ul style="list-style-type: none"> <li>Sebenzisa ikhalenda ukubala nokuchaza ixesha:</li> <li>- ngosuku,</li> <li>- ngeeveki</li> <li>- neenylanga</li> </ul> <p><b>Bala ubude bexeha nokuhamba kwalo</b></p> <ul style="list-style-type: none"> <li>Sebenzisa ikhalenda ukubala nokuchaza ixesha:</li> <li>- liyure</li> <li>- Iziqendu zeyure</li> <li>- Umkhono weyure.</li> </ul>

ISILOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.2 <b>Ubude</b>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Thelekisa ze ulandelelanise ubude, umphakamo okanye ububanzi bezinto ezimbini nangaphezulu ngokuzibeka zibe calanye. Sebenzisa ulwimi ukuthetha malunga nokuthelekisa umz ende, emfutshane, nebanzi</li> <li>Qikelela, thatha umlinganiselo, thelekela, landeletanisa ze urekhodishe ubude usebenzisa imilinganiselo engekho seSikweni umz umlinganiselo ngesandla, izantya, ubude bepensile nekhawunta.</li> <li>Chaza ubude bezinto ngokubala nokuxela ubude beeuyunithi ezingekho seSikweni</li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa ze urekhodishe ubude usebenzisa iimitha (usenokusebenzisa izinti okanye imisonto) njengeeyunithi zobude eziseSikweni.</li> <li>Qikelela ze ulinganiselo ubude ngeesentimitha usebenzisa iruta. Akukho nguqulelo zifunekayo phakathi kweemitha neesentimitha</li> </ul>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Thelekisa ze ulandelelanise ubude, umphakamo okanye ububanzi bezinto ezimbini nangaphezulu ngokuzibeka zibe calanye. Sebenzisa ulwimi ukuthetha malunga nokuthelekisa umz ende, emfutshane, nebanzi</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa ze urekhodishe ubude usebenzisa imilinganiselo engekho seSikweni umz umlinganiselo ngesandla, izantya, ubude bepensile nekhawunta.</li> <li>Chaza ubude bezinto ngokubala nokuxela ubude beeuyunithi ezingekho seSikweni</li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa ze urekhodishe ubude usebenzisa iimitha (usenokusebenzisa izinti okanye imisonto) njengeeyunithi zobude eziseSikweni.</li> <li>Qikelela ze ulinganiselo ubude ngeesentimitha usebenzisa iruta. Akukho nguqulelo zifunekayo phakathi kweemitha neesentimitha</li> </ul>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekela, landeletanisa ze urekhodishe ubude usebenzisa imilinganiselo engekho seSikweni umz umlinganiselo ngesandla, izantya, ubude bepensile nekhawunta.</li> <li>Chaza ubude bezinto ngokubala nokuxela ukuba zingaphi liyunithi ezingekho seSikweni nobude bazo</li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa ze urekhodishe ubude usebenzisa iimitha (usenokusebenzisa izinti okanye imisonto) njengeeyunithi zobude eziseSikweni.</li> <li>Qikelela ze ulinganiselo ubude ngeesentimitha usebenzisa iruta. Akukho nguqulelo zifunekayo phakathi kweemitha neesentimitha</li> </ul>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekela, landeletanisa ze urekhodishe ubude usebenzisa imilinganiselo engekho seSikweni umz umlinganiselo ngesandla, izantya, ubude bepensile nekhawunta.</li> <li>Chaza ubude bezinto ngokubala nokuxela ukuba zingaphi liyunithi ezingekho seSikweni nobude bazo</li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa ze urekhodishe ubude usebenzisa iimitha (usenokusebenzisa izinti okanye imisonto) njengeeyunithi zobude eziseSikweni.</li> <li>Qikelela ze ulinganiselo ubude ngeesentimitha usebenzisa iruta. Akukho nguqulelo zifunekayo phakathi kweemitha neesentimitha</li> </ul>

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.3 Umthamo	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Thelekisa ze ulandelelanise ubude bezinto ezimbini nangaphezulu ngokuziva ngesandla okanye usebenzise isikali sokulungelelanisa</li> <li><b>Sebenzisa ulwimi ukuthetha malunga nothelekiso umz ilula, inzima, ilulana, inzinyana</b></li> </ul>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landelelanisa, ze urekhodishe ubuninzi usebenzisa isikali nemilinganiselo engekho seSikweni umz libloksi, izitena</li> <li>Chaza ubude bezinto ngokubala nokuxela ubude beeuyunithi ezingekho seSikweni</li> </ul> <p><b>Sebenzisa ulwimi ukuthetha malunga nothelekiso umz ilula, inzima, ilulana, inzinyana</b></p>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landelelanisa ze urekhodishe ubuninzi usebenzisa isikali nemilinganiselo engekho seSikweni umz libloksi, izitena</li> <li>Chaza ubude bezinto ngokubala nokuxela ubude beeuyunithi ezingekho seSikweni</li> <li><b>Sebenzisa ulwimi ukuthetha malunga nothelekiso umz ilula, inzima, ilulana, inzinyana</b></li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Thelekisa, ulandelelanise ze urekhodishe ubuninzi bezinto ezilungiseiselwe intengiso ezinobunzima obuxelwe ngekhilogram kuphela umz u2 kg werayisi no1kg wongubo</li> <li>Thatha umlinganiselo umlinganiselo wobubanzi babo ngeekhilogram usebenzisa isikali sendlu yokuhlambela</li> </ul>	<p><b>Umlinganiselo ongekho seSikweni</b></p> <ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landelelanisa ze urekhodishe ubuninzi usebenzisa isikali nemilinganiselo engekho seSikweni umz libloksi, izitena</li> <li>Chaza ubude bezinto ngokubala nokuxela ubude beeuyunithi ezingekho seSikweni</li> <li><b>Sebenzisa ulwimi ukuthetha malunga nothelekiso umz ilula, inzima, ilulana, inzinyana</b></li> </ul> <p><b>Ukwazisa umlinganiselo oseSikweni</b></p> <ul style="list-style-type: none"> <li>Thelekisa, landelelanise ze urekhodishe ubuninzi bezinto ezilungiseiselwe intengiso ezinobunzima obuxelwe ngekhilogram kuphela umz u2 kg werayisi no1kg wongubo</li> <li>Thatha umlinganiselo umlinganiselo wobubanzi babo ngeekhilogram usebenzisa isikali sendlu yokuhlambela</li> <li>Akukho nguqueleo phakathi kweegrem nekhilogram</li> </ul>

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.4 Umthamo/ lvolumu	<ul style="list-style-type: none"> <li>Sebenzisa ulwimi ukuthetha malunga nokuthelekisa izinto umz ngaphezulu, kancinci, izele, ayinanto</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bomthamo wezikhongozeli (ubuninzi bomthamo wesikhongozeli xa ugcwallisiwe) ngokusebenzisa imilinganiselo engekho seSikweni umz amacephe neekomityi</li> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli, umz ibhotile inobuninzi beekomityi ezine.</li> </ul>	<ul style="list-style-type: none"> <li>Sebenzisa ulwimi ukuthetha malunga nokuthelekisa izinto umz ngaphezulu, kancinci, izele, ayinanto</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bomthamo wezikhongozeli (ubuninzi bomthamo wesikhongozeli xa ugcwallisiwe) ngokusebenzisa imilinganiselo engekho seSikweni umz amacephe neekomityi</li> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli umz ibhotile inobuninzi beekomityi ezine.</li> </ul>	<ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bomthamo wezikhongozeli (ubuninzi bomthamo wesikhongozeli xa ugcwallisiwe) ngokusebenzisa imilinganiselo engekho seSikweni umz amacephe neekomityi</li> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli umz ibhotile inobuninzi beekomityi ezine.</li> </ul>	<ul style="list-style-type: none"> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bomthamo wezikhongozeli (ubuninzi bomthamo wesikhongozeli xa ugcwallisiwe) ngokusebenzisa imilinganiselo engekho seSikweni umz amacephe neekomityi</li> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli umz ibhotile inobuninzi beekomityi ezine.</li> </ul>
		<p><b>Umlinganiselo ongakhoseSikweni</b></p> <ul style="list-style-type: none"> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli, umz ibhotile inobuninzi beekomityi ezine.</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bezinto ngomilinganiselo weelitha</li> </ul>	<p><b>Umlinganiselo ongakhoseSikweni</b></p> <ul style="list-style-type: none"> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli, umz ibhotile inobuninzi beekomityi ezine.</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bezinto ngomilinganiselo weelitha</li> </ul>	<p><b>Umlinganiselo ongakhoseSikweni</b></p> <ul style="list-style-type: none"> <li>Chaza ubuninzi besikhongozeli ngokubala nokuxela ukuba zingaphi iiyunithi ezingekho seSikweni ukugcwaliswa isikhongozeli, umz ibhotile inobuninzi beekomityi ezine.</li> <li>Qikelela, thatha umlinganiselo, thelekisa, landeletanisa, ze urekhodishe ubuninzi bezinto ngomilinganiselo weelitha</li> </ul>
			<p><b>Umjikelezo nommandla</b></p> <p>Phanda ngomgama ophakathi kweemilo ezinokwakhaka kuka 2-D neyi-3-D usebenzisa uttelekiso okanye iiyunithi ezingekho seSikweni.</p>	<p><b>Ummandla</b></p> <p>Phanda i-eriya usebenzisa uthayilisho</p>

**AMAGQABANTSHINTSHI ESIGABA ESISEKO**  
**5. INDLELA YOKUSEBENZA NGOLWAZI OLUQOKELELWEYO**

**Ukuqhubeka kwindlela yokusebenza ngolwazi oluqokelelweyo**

- Undoqo wokuqhubeka kwendlela yokusebenza ngolwazi oluqokelelweyo kumaBanga jikelele lungaphunyezwa ngoku:
- Ukuqhubela phambili ngokuSebenza ngolwazi oluQokelelweyo (ulwazi) kuwo onke amarBanga okufezekiswa ngolu hlubo:
  - Ukuusuka ekusebenziseni kwento uye kusebenzisa ulwazi / ulwazi; kunye
  - Nokusebenza neefom ezintsha zomelo-lwazi lwedatha.
- Abafundi mabasebenze umjikelo ophelteleyo wedatha ubuncinane kanye ngonyaka – oku kuquka ukuqokelelwa nokulungisa ulwazi, ukumela ulwazi, ukuhlahela/ukucallula, ukutolika nokunika ingxelo ngedatha.
- Ezinye zezi nkangeleko zingentia zedatha zingenzwa njengemisebenzi ekhethhekileyo.

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
5.1 Qokelela ze uhlele izinto	<b>Ukuqokelela nokulungisa izinto</b>  Qokelela ze uhlele izinto eziphathekayo zemihla ngemihla	<b>Ukuqokelela nokulungisa izinto</b>  Qokelela ze uhlele izinto eziphathekayo zemihla ngemihla		
5.2 Ukumela/ukubonakalisa ngqokelela eheliweyo yezinto	<b>Ukumela/ukubonakalisa ngqokelela eheliweyo yezinto</b>  Zoba umfanekiso wengqokelela yezinto (ipictograph)	<b>Ukumela/ukubonakalisa ngqokelela eheliweyo yezinto</b>  Zoba umfanekiso wengqokelela yezinto	<b>Ukumela/ukubonakalisa ngqokelela eheliweyo yezinto</b>  Zoba umfanekiso wengqokelela yezinto	
5.3 Ukuxoxa nokunika ingxelo ngengqokelela eheliweyo yezinto	<b>Ukuxoxa nokunika ingxelo ngengqokelela eheliweyo yezinto</b>  Ukuphendula imibuzo emalunga: <ul style="list-style-type: none"> <li>• Nokuba ingqokelela ihlewe njani</li> <li>• Ukuzuba ingqokelela</li> </ul>	<b>Ukuxoxa nokunika ingxelo ngengqokelela eheliweyo yezinto</b>  Ukuphendula imibuzo emalunga: <ul style="list-style-type: none"> <li>• Nika izizathu zokuba ingqokelela ihlewe njani</li> <li>• Ukuphendula imibuzo emalunga - Nokuba uhlelo lwensiwe njani (inkqubo)</li> <li>- Ibonakala njani le ngqokelela iheliweyo(imveliso)</li> </ul>	<b>Ukuxoxa nokunika ingxelo ngengqokelela eheliweyo yezinto</b>  Ukuphendula imibuzo emalunga: <ul style="list-style-type: none"> <li>• Nika izizathu zokuba ingqokelela ihlewe njani</li> <li>• Ukuphendula imibuzo emalunga - Nokuba uhlelo lwensiwe njani (inkqubo)</li> <li>- Ibonakala njani le ngqokelela iheliweyo(imveliso)</li> <li>• Chaza ingqokelela okanye/ umzobo • Cacisa ukuba le ngqokelela ihlewe njani</li> </ul>	

ISIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
5.4 <b>Ukuqokelela nokulungisa ulwazi</b>	<b>Ukuqokelelo nokulungisa ulwazi</b>	<ul style="list-style-type: none"> <li>Qokelela ulwazi emalunga neklasi okanye isikolo ukuphendula imibuzo ebuza ngutitshala</li> <li>Lungiseleta ulwazi ngokungqimelana kwazo</li> <li>Lungiseleta ulwazi ngokungqimelana yomfundi</li> <li>Lungiseleta ulwazi ngoko <ul style="list-style-type: none"> <li>- Uluhlu</li> <li>- Ngokungqinelana</li> <li>- kwetheyibhile</li> </ul> </li> </ul>	<b>Ukuqokelelo nokulungisa ulwazi</b> <ul style="list-style-type: none"> <li>Qokelela ulwazi emalunga neklasi okanye isikolo ukuphendula imibuzo ebuza ngutitshala</li> <li>Lungiseleta ulwazi enikezelwe ngutitshala okanye incwadi yomfundi</li> <li>Lungiseleta ulwazi ngoko <ul style="list-style-type: none"> <li>- Uluhlu</li> <li>- Ngokungqinelana</li> <li>- kwetheyibhile</li> </ul> </li> </ul>	<b>Ukuqokelelo nokulungisa ulwazi</b> <ul style="list-style-type: none"> <li>Qokelela ulwazi emalunga neklasi okanye isikolo ukuphendula imibuzo ebuza ngutitshala</li> <li>Lungiseleta ulwazi enikezelwe ngutitshala okanye incwadi yomfundi</li> <li>Lungiseleta ulwazi ngoko <ul style="list-style-type: none"> <li>- Uluhlu</li> <li>- Ngokungqinelana</li> <li>- kwetheyibhile</li> </ul> </li> </ul>
5.5 <b>Ukubonakalisa ulwazi</b>	<b>Ukubonakalisa ulwazi</b>	<p>Ukubonakalisa igrafu yemifanekiso (picto graph) ejongene no-1 ukuya ku-1 kuphela</p>	<p><b>Ukubonakalisa ulwazi</b></p> <p>Ukubonakalisa igrafu yemifanekiso, ejongene no-1 ukuya ku-1 kuphela</p> <ul style="list-style-type: none"> <li>- igrafu yemifanekiso, ejongene no-1 ukuya ku-1 kuphela</li> <li>- igrafu yezitena(bar graph)</li> </ul>	<p><b>Ukubonakalisa ulwazi</b></p> <p>Ukubonakalisa igrafu yemifanekiso, ejongene no-1 ukuya ku-1 kuphela</p> <ul style="list-style-type: none"> <li>- igrafu yemifanekiso, ejongene no-1 ukuya ku-1 kuphela</li> <li>- igrafu yezitena(bar graph)</li> </ul>
5.6 <b>Ukucalula nokutolika ulwazi</b>	<b>Ukucalula nokutolika ulwazi</b>	<p>Phendula imibuzo emalunga nedatha yegrafu yemifanekiso ejongene no-1 ukuya ku-1 kuphela</p>	<p><b>Ukucalula nokutolika ulwazi</b></p> <p>Phendula imibuzo emalunga nedatha yegrafu yemifanekiso ejongene no-1 ukuya ku-1 kuphela</p> <ul style="list-style-type: none"> <li>igrafu yemifanekiso ejongene no-1 ukuya ku-1 kuphela</li> <li>igrafu yezitena</li> </ul>	<p><b>Ukucalula nokutolika ulwazi</b></p> <p>Phendula imibuzo emalunga nedatha yegrafu yemifanekiso ejongene no-1 ukuya ku-1 kuphela</p> <ul style="list-style-type: none"> <li>igrafu yemifanekiso ejongene no-1 ukuya ku-1 kuphela</li> <li>igrafu yezitena</li> </ul>

### 3.3 INKCAZELO NGOMXHOLO

Kweli candela lenkcazelو ngomxholo utitshala unikwe oku kulandelayo:

- Amaggabantshintshi ekota eBanga labaQalayo ukuya kwiBanga lesi- 3.
- Ingcebiso ngendlela yokulandeleteelanisa izihloko ngokweekota: ayiyio yonke imiba yezihloko emayifundiswe kwikota nganye. Eminye imiba yezihloko kufuneka ifundisiwe kuqala phambi kokuba kufundiswe eminye.
- Ingcebiso ngexesha emalithathwe ukufundisa izihloko ezithile apha enyakeni. Ixesha emalithathwe ukufundisa umxholo othile liyohluka - omnye umxholo ufunya ixesha elininzi kunomnye.
- Ingcaciso nemigaqо yokufundisa enemizekelo aphi kuyimfuneko.

Umandla womxholo ngamnye wohlulwe wazizihloko. Yonke imimandla yomxholo kufuneka ifundiswe kwikota nganye. Ukulandeletanisa kwezihloko ngokweekota kunika uluvo lokuba izihloko zingasasazwa njani kwaye zingahlaziwa njani apha enyakeni. Akuyomfuneko ukuba zifundiswe kwikota nganye zonke izihloko zezithuba, iimilo nomlinganiselo wokusebenza ngolwazi oluqokelelwayo. Kodwa ke zonke ezinye izihloko mazifundiswe unyaka wonke.

Kwisahluko sesi-2 (umhlathi 2.6) indlela yokuthatha umlinganiselo umxholo inikiwe. Xa oku kudityaniswe neeyure zonyaka (jonga kumhlathi we-3.5 ngasezantsi) unokuthi ukwazi ukubala iiyure eziqingqiweyo zommandla womxholo ngamnye.

Ootishala banokukhetha indlela yokulandeletanisa nexesha emalithathwe kumxholo ngamnye ngendlela eyahlukileyo, oko bekwenza ngokweengcebiso abazifumene kwesi sahluko. Oko kukuthi ootishala Bangalitshintsha kancinci ixesha ebelicetyisiwe elabelwe isihloko eso kodwa ke makuqatshelwe umlinganiselo neeyure ezimiselweyo zommandla womxholo weMathematika wesiGaba esisisiSeko.

- **iMathematika yeBanga labaQalayo** yimilo yeMathematika yabaQalayo kwaye ke ayohlulwanga ngokwamaxesha esifundo. Utitshala weBanga labaQalayo makadibani se iMathematika kwizifundo zemihla ngemihla kodwa ke ixesha malibekwe bucala aphi utitshala aqwelasela ngokukodwa kwimisebenzi yeMathematika. Ukuba akakwenzi oku abafundi abasayi kuye bazazi kwaye bavelise **iingqiqo nezakhono ezinqwenelekayo**.
- Ixesha lamaBanga oku-1 - 3 labiwe ngolu hlobo:
  - **Iiyure ezisixhenxe ngeveki (10 iiveki x 4 iikota x 7 iiyure = 280 iiyure ngonyaka) kufuneka iiyure ezisixhenxe ngeveki ziisetenziselwe iMathematika)**
  - Isifundo ngasinye seMathematika kufuneka sibe **iyure e-1, imizuzu engama-24 ngosuku kwiBanga loku-1 ukuya kwelesi-3**
  - **Oku kuthetha ukuba kukho iikota ezineeziveki ezilishumi ezinezifundo ezintlanu** (Ukusuka ngomvulo ukuya kutsho ngolwesihlanu) ngeveki.
  - Vumela ithuba elingangeveki ukulungiselela ukuqhelanisa nokuqinisa ukuqala kwekota nganye kuba abantwana abancinci bayakulibala oko bakufundisiweyo ngakumbi ngexesha leholide kwaye bayaphuma kwisingqi sesikolo. Vumela iiveki ekupheleni kwekota ukuqinisa iingqiqo. Oku kunika  $8 \times 4 \times 5 = 160$  zezifundo.

## 3.4 UKULANDELELANISA NESANTYA SOMXHOLO

Ezi theybhile zilandelayo zinikiwe kwiBanga ngalinye kwiBanga labaqalayo ukuya kwelesithathu (R-3):

- Isantya sezhloko zonyaka (zibonisa ukusasazwa kwezhloko ngokweekota kwaye zicebisa ngokomlinganiselo wexesha emalichithwe kummandla womxholo).
- Ukulandeleta kwezhloko zonyaka (bonisa ukuba izihloko zabiwe ngokweekota kwaye kukho inkqubela phambili yomxholoi nezakhono kwiikota zonke)
- Ukuaciswa kwamanqaku ngokwesihloko –ezi theybhile zinika ingcaciso ngomxholo nesikhokelo sokufundisa sesihloko ngasinye njengoko silandelelanisiwe ngokweekota.

Iiplani zezifundo – Ukwabiwa kwexesha ngokwekota

Inani sesona sihloko sibalulekileyo kwimathematika yamaBanga asisiseko. Amaxesha amaninzi kwiveki nganye, kwikota kunye nonyaka kugqaliselwa kumanani,izibalo nolwalamano.lavareji kukuba nezfundo zeMathematika ezintathu okanye ezininzi kunoku ezigqale kuManani,Izibalo,noLalwamano.Ixesha elishiyeleyo malahlulwe kweminye imimandla yomxholo.Isithuba neSimo noMlinganiselo zifuna ixesha nengqwalaselwa kunolwazi olusetyenziselwa ukuhlalutya iiPateni,lifankshini ne-Aljibra.Itheybhile engezantsi ibonisa inani lezifundo ezabelwe umxholo nezihloko zeBanga ngalinye kwiPateni,Isiphumo sentsebebnziswano yamanani ne-Aljibra,Isithuba neSimo.uMlinganiselo, ukusebenza ngoLwazi olusetyenziselwa ukuhlalutya:

### **Ukwabiwa kommandla womxholo nezihloko kwizifundo zeBanga labaqalayo**

Njengoko **kwiBanga labaqalayo** imathematiki ikwimo **yemathematika yabaqalayo** iingcebiso ezilandelayo zokwabiwa kwexesha zinika ugqaliselwa kwiziqendu zemathematika nemisebenzi engekho seSikweni ehambelanayo. Oku kukuqinisekisa ukuba zonke iinkalo zomxholo zikhona. Imisebenzi yemathematiki yabaqalayo inokuba kukubala inani lezitya neekomityi zokugalela izimuncumuncu,ukubala imidlalo edlalwa naphandle ,imidlalo edlalwa ngaphakathi endlwini umz. Idomino neephazili.Utitshala kufuneka alungise yonke imisebenzi ngokweemfuno zabafundi kunye nezixhobo zokufundisa ezikhoyo egumbini lokufunda.

**ISithuba neMilo** yimiba ebalulekileyo ekukhuleni kwemathematika kubafundi abancinci kwaye kufuneka isasazwe evezini,kugqalwe kwiziqendu ezithile phantsi kwenkxaso katitshala klinikwe namathuba amaninzi okuba abafundi bakhe izinto,badlale ngesanti namanzi.

**Umlinganiselo** mawufakwe kwimisebenzi yokubala,umz ukuthelekelela nokubala xa bethatha umlinganiselo umgama ngezandla,ngeenyawo namanqwanqwa.

Irejista yokubhalisa abafundi netshati yemozulu zinika ithuba elininzi lokusebenza **ngolwazi olusetyenziselwa ukuhlalutya**.

# MATHEMATIKA IBANGA LABAQALAYO (R)

## Itheyibhile 3.1: Ulwabiwo Iwexesha ngeveki ngokommadala womxholo

UMMANDLA WOMXHOLO	ISIHLOKO	Ixesha elinokusetyenziswa
Amanani, ii-Opareyshini noLwalamano	Ukubala Ukuqaphela amanani Chonga aze achaze amanani azeleyo Ulwazi ngamanani Ukusombulula iingxaki zezibalo	Imizuzu eli -120
iiPateni , iiFankshini ne-Aljibra	Kopa, andise aze ayile iipateni zakhe	Imizuzu engama- 80
Isithuba nemilo (Ijiyomeri)	Nakana, chonga uze axele ukwakheka kweemilo zejiyometri / imifanekiso enokwakheka kuka 2-D.  Yakha izinto ezinokwakheka kuka 3-D besebenzisa izixhobo eziphathekayo.  Ukuzaalana ngokwesithuba  Izalathiso	Imizuzu engama- 80
Umlinganiselo	Ixesha Ubude Ubunzima Umthamo	Imizuzu engama- 80
Ukusebenza ngolwazi oluqokelelweyo	Qokelela, hlela, zoba, funda uze abonakalise ulwazi	Imizuzu engama- 60
<b>IIYURE ZISONKE</b>		Imizuzu engama- 420  Iiyure ezisi -7 ngeveki

- Ukwabiwa kwenkalo nezihloko kwizifundo zebanga loku-1 ukuya kwelesi-3**

Izifundo ezintathu ubuncicnci ngeveki mazichithwe kufundiswa Amanani, Izibalo, Ukuzaalana (umz phakathi kwe 4 ne 4  $\frac{1}{4}$  seeyure). Izifundo ezibini ezishiyeyleyo (umz.phakathi  $2\frac{1}{2}$  ne 3 seeyure) mazahlulwe phakathi kwezihloko zeminye imimmandla yomxholo njengoko kucetyisiwe ngasezantsi.

## Itheyibhile 3.2: Inani lezifundo ezicetyiswayo zebanga loku-1 ngekota

UMMANDLA WOMXHOLO	IZIHLOKO	Inani lezifundo				
		Ikota yoku- 1	Ikota yesi- 2	Ikota yei -3	Ikota yesi -4	Ilyure zizonke
Amanani, ii-Opareyshini noLwalamano	Zonke izihloko zaManani, ii-Opareyshini noLwalamano.	22	30	28	25	<b>105</b>
iiPateni , iiFankshini ne-Aljibra	lipateni yamanani	3	3	3	3	<b>12</b>
	lipateni zejiyometri	1	1	1	1	<b>4</b>
Isithuba nemilo (Ijiyometri))	limilo zokwakheka kwe 2-D		3		3	<b>6</b>
	Ukwakheka kwezinto kuka 3-D	3		2	1	<b>6</b>
	Indawo, fumana indawo apho ikhoyo nembonakalo	2			1	<b>3</b>
	Ulingano macala			1	1	<b>2</b>
Umlinganiselo	Ixesha	2				<b>2</b>
	Ubude	2		2		<b>4</b>
	Ubunzima	2			2	<b>4</b>
	Umthamo	1	2		1	<b>4</b>
Ukusebenza ngolwazi oluqokelelweyo	Ukuqokelela, ukuhlela, abonakalise aze acalule izinto	2	1			<b>3</b>
	Umjikelo opheleleyo wolwazi			3		<b>3</b>
	Izintlu zomjikelo wolwazi				2	<b>2</b>
<b>Izifundo zizonke</b>		<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>160</b>

## MATHEMATIKA IBANGA LABAQALAYO (R)

### Itheyibhile 3.3: Inani lezifundo ezicetyiswayo zebanga lesi-2 ngekota

UMMANDLA WOMXHOLO	IZIHLOKO	Inani lezifundo				
		Ikota yoku- 1	Ikota yesi- 2	Ikota yei -3	Ikota yesi -4	Ilyure zizonke
Amanani, ii-Opareyshini noLwalamano	Zonke izihloko zaManani, ii-Opareyshini noLwalamano	24	25	24	26	<b>99</b>
IPateni , iiFankshini neAljibra	lipateni yamanani	3	3	3	3	<b>12</b>
	lipateni zejiyometri	1	1	1	1	<b>4</b>
Isithuba nemilo (IJiyometri)	limilo zokwakheka kuka 2-D		3		3	<b>6</b>
	Ukwakheka kwezinto kuka 3-D	3		2	1	<b>6</b>
	Indawo, fumana indawo apho ikhoyo nembonakalo		2	1		<b>3</b>
	Ulingano-macala		1		1	<b>2</b>
	Ixesha	3	1	3	1	<b>8</b>
Umlinganiselos	Ubude	3			1	<b>4</b>
	Ubunzima		3		1	<b>4</b>
	Umthamo			3	1	<b>4</b>
	Umkikelo opheleleyo wolwazi	3		3		<b>6</b>
Ukusebenza ngolwazi oluqokelelwego	Izintlu zomjikelo wolwazi		1		1	<b>2</b>
<b>Izifundo zizonke</b>		<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>160</b>

### Itheyibhile 3.4: Inani lezifundo ezicetyiswayo zebanga lesi-3 ngekota

UMMANDLA WOMXHOLO	IZIHLOKO	Inani lezifundo				
		Ikota yoku- 1	Ikota yesi- 2	Ikota yei -3	Ikota yesi -4	Ilyure zizonke
Amanani, ii-Opareyshini noLwalamano	Zonke izihloko zaManani, ii-Opareyshini noLwalamano	26	22	19	27	<b>94</b>
IPateni , iiFankshini ne-Aljibra	lipateni yamanani	3	3	3	3	<b>12</b>
	lipateni zejiyometri	1	1	1	1	<b>4</b>
Isithuba nemilo (IJiyometri)	limilo zokwakheka kuka 2-D	2		2		<b>4</b>
	limilo zokwakheka kuka 3-D		3	3	1	<b>7</b>
	Indawo, fumana indawo apho ikhoyo nembonakalo		2	3		<b>5</b>
	Ulingano-macala		2		1	<b>3</b>
	Ixesha	3	2	3	2	<b>10</b>
Umlinganiselos	Ubude		2	2		<b>4</b>
	Ubunzima		2		1	<b>3</b>
	Umthamo	2			1	<b>3</b>
	Umkikelo			1		<b>1</b>
	I-eriya				2	<b>2</b>
	Izintlu zomjikelo wolwazi	3		3		<b>6</b>
Ukusebenza ngolwazi oluqokelelwego	Izintlu zomjikelo wolwazi		1		1	<b>2</b>
<b>Izifundo zizonke</b>		<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>160</b>

**AMAGQABANTSHINTSHI EBANGA LABAQALAYO  
1. AMANANIJI-OPAREYSHINI NOKUZALANA**

UKUBALA	ISIHLOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
<b>1.1 Ukubala izinto Qikelela uze ubale izinto ukuvellisa ulwazi ngamananani.</b>	<b>Uluhlu Iwanani: 1-5</b> <ul style="list-style-type: none"><li>Uhambelwano Iwananani</li><li>Yazisa itshati yoncedo uze ulandelelanise indelta izimuncumuncu ezinikezelwa ngayo</li></ul>	<b>Uluhlu Iwananani: 1-7</b> <ul style="list-style-type: none"><li>Uhambelwano Iwananani</li><li>Betholela itshati yoncedo imihla ngemihla</li></ul>	<b>Uluhlu Iwananani: 1 - 10</b> <ul style="list-style-type: none"><li>Uhambelwano Iwananani</li><li>Betholela itshati yoncedo imihla ngemihla</li></ul>	<b>Uluhlu Iwananani: 0 - 10</b> <ul style="list-style-type: none"><li>Uhambelwano Iwananani</li><li>Betholela itshati yoncedo imihla ngemihla</li></ul>	<b>Uluhlu Iwananani: 0</b> <ul style="list-style-type: none"><li>Uhambelwano Iwananani</li><li>Betholela itshati yoncedo imihla ngemihla</li></ul>
<b>1.2 Bala usiya phambili ubale ubuya umva.</b>	<b>Uluhlu Iwananani: 1</b> <p>Ukubala okungacwangciswaanga kusetyenziswa icengcelezo zamanani neengoma, zokubala,izinto eznokwakheka kuka 3-D,ukubala usebenzisa iintshukumo zomzimba neleli yamanani.</p>	<b>Uluhlu Iwananani: 1 ukuya ku - 4</b> <p>Ukubala okungacwangciswaanga kusetyenziswa icengcelezo zamanani neengoma, izinto zokubala, izinto eznokwakheka kuka 3-D,ukubala usebenzisa iintshukumo zomzimba neleli yamanani.</p>	<b>Uluhlu Iwananani: 1 ukuya ku - 7</b> <p>Ukubala okungacwangciswaanga kusetyenziswa icengcelezo zamanani neengoma, izinto zokubala, izinto eznokwakheka kuka 3-D,ukubala usebenzisa iintshukumo zomzimba neleli yamanani.</p>	<b>Uluhlu Iwananani: 0 ukuya ku - 10</b> <p>Ukubala okungacwangciswaanga kusetyenziswa icengcelezo zamanani neengoma, izinto zokubala,izinto eznokwakheka kuka 3-D,ukubala usebenzisa iintshukumo zomzimba neleli yamanani.</p>	<b>Uluhlu Iwananani: 0</b> <ul style="list-style-type: none"><li>ngoononye</li><li>ngonombini</li></ul>

ISILOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
1.3 <b>lisimboli zamanani namagama amanani.</b> (Nakana uze uchonge lisimboli zamanani baze baqapheli amagama amanani)	<b>Uluhlu lwamanani:</b> <ul style="list-style-type: none"> <li>lisimboli zamanani:1</li> <li>Amagama amanani: <b>nye</b></li> <li>- Ukufunda usebenzisa umzimba</li> <li>- Eziphathekayo elinokwakhaka 3 –D ezinenani elingu -1.</li> <li>- Ezibubambeka ezinamakhadi emifanekiso equka amanani 2,3 no- 4.</li> <li>- Ezibubambeka ezinamakhadi emifanekiso equka inani u- 1.</li> <li>- Ezibubambeka ezinamakhadi anamachaphaza aquka amanani 2,3 no- 4.</li> <li>• Bethelela ulwazi alufumeneyo olunenani elingu -1</li> </ul>	<b>Uluhlu lwamanani:</b> <ul style="list-style-type: none"> <li>lisimboli zamanani: <b>2 ukuya kwi - 4</b></li> <li>Amagama amanani: <b>nye , mbini , ne.</b></li> <li>- Ukufunda usebenzisa umzimba</li> <li>- Eziphathekayo ezinokwakhaka kuka 3 –D ezinamanani 5, 6 no- 7.</li> <li>- Ezibubambeka ezinamakhadi emifanekiso equka amanani 5,6 no- 7.</li> <li>- Ezibubambeka ezinamakhadi anamachaphaza aquka amanani 5,6 no- 7.</li> <li>• Bethelela ulwazi alufumeneyo olunenani elingu -1 ukuya kwisi-4</li> </ul>	<b>Uluhlu lwamanani:</b> <ul style="list-style-type: none"> <li>lisimboli zamanani: <b>5 ukuya kwi - 7</b></li> <li>Amagama amanani: <b>nttanu, ntandathu, sixhenxe</b></li> <li>- Ukufunda usebenzisa umzimba</li> <li>- Eziphathekayo elinokwakhaka ka 3 –D ezinamanani 0,8,9 no 10</li> <li>- Ezibubambeka ezinamakhadi emifanekiso equka amanani 0,8,9 no- 10.</li> <li>- Ezibubambeka ezinamakhadi anamachaphaza aquka amanani 0,8,9 no- 10.</li> <li>• Bethelela ulwazi alufumeneyo olunenani eli-0 ukuya kwi-10</li> </ul>	<b>Uluhlu lwamanani:</b> <ul style="list-style-type: none"> <li>lisimboli zamanani: <b>0 ukuya kwi - 10</b></li> <li>Amagama amanani: <b>qanda, sibhozo, lithoba, lishumi</b></li> <li>- Ukufunda usebenzisa umzimba.</li> <li>- Eziphathekayo elinokwakhaka ka 3 –D ezinamanani 0,8,9 no 10</li> <li>- Ezibubambeka ezinamakhadi emifanekiso equka amanani 0,8,9 no- 10.</li> <li>- Ezibubambeka ezinamakhadi anamachaphaza aquka amanani 0,8,9 no- 10.</li> <li>• Bethelela ulwazi alufumeneyo olunenani elingu -1 ukuya kwisi-7</li> </ul>

ISILOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
<b>NAKANA AMANANI</b>	<p><b>1.4 Chaza, thelekisa uze ucwangcise amanani azeleyo.</b></p> <ul style="list-style-type: none"> <li>• Abafundi kufuneka bayazi iminyaka yabo</li> <li>• Ukugqityezelwa kwerejista yabafundi</li> </ul> <p>(Ukusebenzisa amanani kwimeko eziqheleklileyo)</p> <p><b>Sebenzisa iindela ezinanzi zokuthatha irejista Umz.</b></p> <ul style="list-style-type: none"> <li>- Ingaba umfundu onesimboli/ umzobo we- aysi-khrim ukhona esikolweni namhlanje?</li> <li>- Ingaba umfundu ogama linguSipho ukhona esikolweni namhlanje ?</li> <li>- Ingaba umfundu onenombolo yommxeba engu 082234567 ukhona esikolweni namhlanje?</li> </ul>	<p><b>Sebenzisa amanani kwimeko eziqheleklileyo</b></p> <ul style="list-style-type: none"> <li>• Abafundi kufuneka bazazi inombolo zezindlu zakumawabo needilesi zabo</li> </ul> <p><b>Sebenzisa iindela ezinanzi zokuthatha irejista Umz.</b></p> <ul style="list-style-type: none"> <li>- Ingaba umfundu ohlala kwindlu enenombolo ye-123 ukhona esikolweni namhlanje?</li> <li>- Ingaba umfundu ohlala kwinombolo ye 123 Wendy sitalato ukhona namhlanje ?</li> <li>- Ingaba umfundu onenombolo yommxeba engu 082234567 ukhona esikolweni namhlanje?</li> </ul>	<p><b>Sebenzisa amanani kwimeko eziqheleklileyo</b></p> <ul style="list-style-type: none"> <li>• Abafundi kufuneka bawazi amagama abo neenombolo zeminxeba zakumawabo/okanye inombolo yeselua (inombolo yabazali babo)</li> </ul> <p><b>Sebenzisa amanani kwimeko eziqheleklileyo</b></p> <ul style="list-style-type: none"> <li>• Bethelela ukusetyenziswa kwamanani ngokugqibezela irejista njengakwikkota yokugala umz.</li> <li>- Ingaba umfundu ubhiyoza umhla wakhe wokuzalwa ngomhla we 16 Matshi ukhona namhlanje?</li> <li>- Qashisa;</li> <li>• Bala iikhabathi ezingenanto</li> <li>• Bala izitulo ezingahlahlanga bantu</li> </ul>	<p><b>Sebenzisa amanani kwimeko eziqheleklileyo</b></p> <ul style="list-style-type: none"> <li>• Bethelela ukusetyenziswa kwamanani ngokugqibezela irejista njengakwikkota yokugala umz.</li> <li>- Bangaphi abafundi abangekhhoy esikolweni namhlanje ? Singakwazi niani oku Abantwana baxoxa ngoku phakathi kwabo.</li> <li>• Chonga amanani asemfanekisweni nakumaqweqwae anamachaphaza</li> <li>• Dlala umdlalo wamakhadi amanani</li> <li>• Chonga amanani kwisibhengezo/ ucwecwe lolwazi,kwicwecwe elidala lomhla wokuzalwa</li> </ul>

ISILOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
<b>INGQIQO NGAMANANI (UKUZALANA)</b>	<p><b>Chaza, thelekisa uze ucwangcise amanani</b>            (Chonga uze uchaze amanani apheleleyo)</p> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>a) Nkulu nencinci</li> <li>b) Nkudlwana nencinanana</li> <li>c) Eyona inkulu neyona incinci</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>a) Nkulu nencinci</li> <li>b) Nkudlwana nencinanana</li> <li>c) Eyona incinci neyona inkulu</li> </ul>	<p><b>Uluhlu Iwamanani: 1</b></p> <ul style="list-style-type: none"> <li>• Chonga uze uchaze amanani apheleleyo</li> <li>• Amanani apheleleyo 2, 3 nesi-4</li> <li>• Bethelela amanani -1 ukuya kwi-4</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona inkulu neyona incinci</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona incinci neyona inkulu</li> </ul>	<p><b>Uluhlu Iwamanani: 1 ukuya kwi- 7</b></p> <ul style="list-style-type: none"> <li>• Chonga uze uchaze amanani apheleleyo</li> <li>• Amanani apheleleyo 5, 6 ne -7</li> <li>• Bethelela amanani -1 ukuya kwi -7</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona inkulu neyona incinci</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona incinci neyona inkulu</li> </ul>	<p><b>Uluhlu Iwamanani: 0 ukuya - 10</b></p> <ul style="list-style-type: none"> <li>• Chonga uze uchaze amanani apheleleyo</li> <li>• 8, 9, 10 ne 0</li> <li>• Bethelela amanani-0 ukuya kwi -10</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona inkulu neyona incinci</li> </ul> <p>Thelekisa ukuba zeziphi ezona kwezi zimbini kwingqokelela yezinto ezi:</p> <ul style="list-style-type: none"> <li>• Nkulu nencinci</li> <li>• Nkudlwana nencinanana</li> <li>• Eyona incinci neyona inkulu</li> </ul>

ISIHLOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
Inani Ilandelwano/ lesingaphi	<b>Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</b> <ul style="list-style-type: none"> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> </ul>	<b>Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</b> <ul style="list-style-type: none"> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> </ul>	<b>Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</b> <ul style="list-style-type: none"> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> </ul>	<b>Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</b> <ul style="list-style-type: none"> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> <li>• Ukwakha ukuqwalasela amanani olandelelwano ngokusaphuhliswayo, umzekelo, eyokuqala, eyesibini, eyesithathu.... eyokugqibela, elandelayo.</li> </ul>
<b>UKUSOMBULULA IINGXAKI NGOKWEMEKO USEBENZISA EZI NDLELA ZILANDELAYO:</b>				
1.6 <b>Ubuchule bokusombulula iingxaki zezibalo</b>	<b>Ukusebenzisa ezi ndela zilandelayo</b> <ul style="list-style-type: none"> <li>• Izixhobo eziphathekayo umzekelo, , izinto zokubala</li> </ul>	<b>Ukusebenzisa ezi ndela zilandelayo</b> <ul style="list-style-type: none"> <li>• Izixhobo eziphathekayo umzekelo, , izinto zokubala</li> </ul>	<b>Ukusebenzisa ezindela zilandelayo</b> <ul style="list-style-type: none"> <li>• Izixhobo eziphathekayo umzekelo, , izinto zokubala</li> </ul>	<b>Ukusebenzisa ezindela zilandelayo</b> <ul style="list-style-type: none"> <li>• Izixhobo eziphathekayo umzekelo, , izinto zokubala</li> <li>• Ileli yamanani</li> </ul>

ISIHLOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
1.7 <b>Ukudibaniisa nokuthabatha</b>	Ukusombulula izibalo zomlomo nokucacisa isisombululo efakela okulandelayo: a) Ukudibaniisa nokuthabatha ngeempendulo ezifikelela kwi -10	• Ukusebenzisa izixhobo zokubala nokusombulula izibalo eziquka u-1,- 2,-3 no -4 ngokuthetha. • Ukubethelela ukusombululuwa kwezibalo eziquka amanani ukusuka kwelo-1 - 7	• Ukusebenzisa izixhobo zokubala nokusombulula izibalo eziquka u-5,- 6, no -7 ngokuthetha. • Ukubethelela ukusombululuwa kwezibalo eziquka amanani ukusuka kwelo-1 - 7	• Ukusebenzisa izixhobo zokubala nokusombulula izibalo eziquka u-8,- 9, -10 no 0 ngokuthetha. • Ukubethelela ukusombululuwa kwezibalo eziquka amanani ukusuka kwelo-1 – 10.

ISIHLOKO	IKOTA YOKU-1	IKOTA YESI-2	IKOTA YESI-3	IKOTA YESI-4
1.11 Imali	Imali <ul style="list-style-type: none"> <li>Velisa ukwazi imali yaseMzantsi Afrika engumwangalala.</li> <li>20c, 50c, R1, R2, R5</li> <li>Chonga imibala kanye nezilwananyana ezibonakala kwezi nkozo.</li> </ul>	Imali <ul style="list-style-type: none"> <li>Chonga ukufana nomahluko okhoyo kwezi nkozo umz. hlela imali ngokombala nangobukhulu</li> <li>• Banike imali yokudala kwikona yasekhaya.</li> </ul>	Imali <ul style="list-style-type: none"> <li>Velisa ukwazi imali yaseMzantsi Afrika engamaphepha • R10, R20, R50, R100, R200,</li> <li>Chonga ukufana nomahluko okhoyo phakathi kwemali engamaphepha umz. hlela imali ngokombala nangobukhulu</li> <li>• Banike imali yokudala kwikona yasekhaya.</li> </ul>	Imali
<b>BALA NGOKUSEBENZISA:</b>		1.13 <b>Ukudibanisa nokuthabatha.</b>	Ukusombulula izibalo zokudibanisa nokuthabatha ukuya ku -7 ngokuthetha.	Ukusombulula izibalo zokudibanisa nokuthabatha ukuya ku -10 ngokuthetha.
			Ukusombulula izibalo zokudibanisa nokuthabatha ukuya ku -4 ngokuthetha.	

# MATHEMATIKA IBANGA LABAQALAYO (R)

## Iintlobo Zezibalo kwiSigaba sabaQalayo(R)

Izibalo ezimiswayo kubafundi beSigaba sabaQalayo kufuneka kuquke izinto ezisegumbini lokufundela kuphela, umzekelo, izinto zokubala, abantwana, izihlangu, kodwa ingabi ziilekese, imivundla iityatyambo, njalo-njalo. Ayingabo bonke abantwana abancinci abanokuzikhohlisa ngokuthi izibali okanye iminwe yimivundla – badinga izinto ngokwazo. Utishala angasebenzisa imifanekiso kwisiqendu sesibini sonyaka kuphela. Izinto eziphathetekayo mazigcinwe – imifanekiso kukongeza, ayithathi indawo yezinto ezibonwayo. Amasetyana angasetyenziswa xa utitshala engenazo izixhobo.

Izibalo ezilandelayo zizekelisa iintlobo zezibalo emazilungelelaniselwe utitshala ukulungela umngangatho wokuqonda wabafundi bakhe.

### Ukwahlula ngamaqela

Nanga amaqebengwana a – 8. (Utitshala ukhupha iznto zokubala ezi – 8, okanye ubonisa umfanekiso wamaqebengwana a – 8). UThemba ufumana amaqebengwana a - 2 yonk'imihi. Uza kufumana amaqebengwana ngeentsuku ezingaphi ?

### Ukwaba ngokulinganayo

Amaqebengwana ama – 6. (Utitshala ukhupha izibali ezi – 6, okanye ubonisa imifanekiso yamaqebengwana ama – 6.) Kufuneka oothedi abathathu babelane ngawo onke amaqebengwana bafumane inani elilinganayo lamaqebengwana. Uthedi ngamnye uza kufumana amaqebengwana amangaphi ?

### Ukudibanisa, ukuthabatha, ukudibanisa okuphinda phindiweyo

Abantwana ababini (2) banamehlo amangaphi?

Abantwana abane (4) baneendlebe ezingaphi?

Mingaphi iminwe esandleni esinye (1)?

Mingaphi iminwe kwizandla ezibini (2)?

ULinda unezibali ezintandathu (6). Unika uBandile izibali ezibini (2). Unezibali ezingaphi ngoku?

Ootitshala mabaxube iintlobo zezibalo imihla ngemihla. Mabandise ubukhulu bamanani abawasebenzisayo ngokuthe chu, Bangathathi ngokungathi abafundi abanakho ukusebenza ngamanani amakhulu.

AMAGQABANTSHTSHI ESIGABA SABAQALAYO (R)				
2.IIPATENI IIANKSHINI NOLWALAMANO				
ISILOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
2.1 <b>lipateni zejyometri</b> Kopa wandise iipateni ezilua eziphindaphindwayo usebenzisa izinto ezibonwayo nemizobo. (Yila iipateni zakho eziphindaphindwayo)	<ul style="list-style-type: none"> <li>Chonga iipateni empahleni, kwizinto nakokusinqongleyo</li> <li>Kopa ugqibezele iipateni</li> <li>Kopa iipateni usebenzsa ukubethana komzimba</li> <li>Kopa gcwalsisa uyile ezakho iipateni</li> </ul>	<ul style="list-style-type: none"> <li>Kopa, wandise uyile ezakho iipateni</li> <li>Kopa iipateni ozinikiweyo/ usebenzisa imali eziinkozol engumwangalala</li> </ul>	<ul style="list-style-type: none"> <li>Kopa, wandise uyile iipateni yakho ngemifanekiso</li> </ul>	<ul style="list-style-type: none"> <li>Kopa, wandise uyile iipateni zakho ozimameleyo</li> <li>Kopa iipateni yengxolo</li> <li>Iipateni yomdlalo wokungciloza</li> </ul>

# MATHEMATIKA IBANGA LABAQALAYO (R)

AMAGQABANTSHINTSHI KWISIGABA SABAQALAYO(R)				
3. ISITHUBA NEMILO (IJIYOMETRI)				
ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
3.1 <b>Indawo-bumilo, ukufumana indawo apho ikhoyo nembonakalo</b>  Ukuchaza into enye enokwakhaka kuka 3-D uyinxulumanisa nerye (umzekelo, ngaphambili nangasemva)	<p><b>Ulwalamano ngokobume</b> <b>Indawo yezinto ezimbini okanye ezininzi ngokunxulumene nemfundo</b></p> <ul style="list-style-type: none"> <li>• Ngaphambili nangasemva</li> <li>• Phezulu,phezu kwe, ngaphantsi nangezantsi</li> <li>• Ngaphakathi nangaphandle</li> <li>• Phantsi naphezulu</li> <li>• Ecaleni kwe naphakathi kwe</li> </ul>	<p><b>Ulwalamano ngokobume</b> <b>Indawo yezinto ezimbini okanye ezininzi ngokunxulumene nemfundo</b></p> <ul style="list-style-type: none"> <li>• Ngaphenzulu nangaphantsi</li> <li>• Phezulu, phezu kwe, ngaphantsi nangezantsi</li> <li>• Ecaleni kwe</li> <li>• Phakathi</li> <li>• Ekholho nasekunene</li> </ul>	<p><b>Ulwalamano ngokobume</b> <b>Indawo yezinto ezimbini okanye ezininzi ngokunxulumene nemfundo</b></p> <ul style="list-style-type: none"> <li>• Ngaphambili nangasemva</li> <li>• Phezulu, phezu kwe, ngaphantsi nangezantsi</li> <li>• Ecaleni kwe</li> <li>• Phakathi</li> <li>• Ekholho nasekunene</li> </ul>	<p><b>Ulwalamano ngokobume</b> <b>Indawo yezinto ezimbini okanye ezininzi ngokunxulumene nemfundo</b></p> <ul style="list-style-type: none"> <li>• Ngaphambili nangasemva</li> <li>• Phezulu, phezu kwe, ngaphantsi nangezantsi</li> <li>• Ecaleni kwe</li> <li>• Phakathi</li> <li>• Ekholho nasekunene</li> </ul>
	<p><b>Imidalo yangaphandle ibalulekile.</b> <b>isixhobo sokugwencela singasetyenziswa ukubethelela, umzekelo:</b></p> <ul style="list-style-type: none"> <li>• Ingqiqo zelMathematika</li> <li>• Ubugcisa bokuyila</li> <li>• Ukwakheka komzimba</li> </ul>	<p><b>Chaza izinto uzivelela kumacala ngamacala bezibona ngeendlela ezahlukileyo , umzekelo, unodoli, indlu ngaphambili, ngasemva, emacaleni kuxhomekeke ukuba ume ndawoni</b></p> <ul style="list-style-type: none"> <li>• Umsebenzi wephegibhodi</li> <li>• Chaza izinto uzivelela kumacala ngamacala bezibona ngeendlela ezahlukileyo , umzekelo, unodoli, indlu ngaphambili, ngasemva, emacaleni kuxhomekeke ukuba ume ndawoni</li> <li>• Umsebenzi wephegibhodi</li> </ul>	<p><b>Indawo yezinto ezimbini okanye ezininzi ngokunxulumene nemfundo</b></p> <ul style="list-style-type: none"> <li>• Ngaphambili nangasemva</li> <li>• Phezulu, phezu kwe, ngaphantsi nangezantsi</li> <li>• Ecaleni kwe</li> <li>• Phakathi</li> <li>• Ekholho nasekunene</li> </ul>	<p><b>Phambili nasemva</b></p> <ul style="list-style-type: none"> <li>• Phambili/ emva</li> <li>• Itshati yeentolo</li> <li>• Ngentila nangezantsi</li> <li>• Ekholho nasekunene</li> <li>• Siphuma phi isandi?</li> </ul>

ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
<p><b>3.2 Izinto ezinokwakhaka kuka -3-D</b></p> <p>Qonda, uchongga nokuthiya izinto ezinokwakhaka kuka 3-D egumbini lokufundela:</p> <ul style="list-style-type: none"> <li>a) libholo</li> <li>b) libhokisi</li> </ul>	<ul style="list-style-type: none"> <li>• <b>libholo:</b> Fundisa unike ithuba lokusebenza ngeebhola</li> <li>• <b>libhokisi:</b> Fundisa unike ithuba lokusebenza neebhokisi</li> </ul>	<p><b>3.2 Izinto ezinokwakhaka kuka -3-D</b></p> <p><b>Chaza, uhelle nokuthelkisa izinto ezinokwakhaka kuka 3-D no – 2-D ngo:</b></p> <ul style="list-style-type: none"> <li>a) Ubungakanani (nkulu/ncinci)</li> <li>b) Mbala (bomvu, bhiowu, mthubi, plaza)</li> <li>c) Imilo (isangqa, unxa-ntathu, isikweire, uxande)</li> <li>d) Izinto eziqengqeleykayo</li> <li>e) Izinto ezitshebelezayo</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ukfundisa Itshati Yoqoqoshो</b> (ukuhela izinto zokudlala)           <ul style="list-style-type: none"> <li>• <b>Ubungakanani:</b> Hlela izinto ezinokwakhaka kuka 3-D ngobukhulu</li> <li>• <b>Umbala:</b> chonga uholele izinto zokubala ngemibala ebomvu, ebbhowu, emthubi neluhlaza</li> <li>• <b>Imilo:</b> hlela izinto ezinokwakhaka kuka 3-D no 2-D ngokwemibalo zazo</li> </ul> </li> <li>• <b>Ubungakanani:</b> hlela izinto ezinokwakhaka kuka 3-D ngobukhulu</li> <li>• <b>Umbala:</b> hlela izinto ezinokwakhaka kuka 3-D nezimacala-mabini ngokwemibala</li> <li>• <b>Imilo:</b> hlela izinto ezinokwakhaka kuka 3-D no 2-D ngokwemibalo zazo</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ubungakanani:</b> hlela izinto ezinokwakhaka kuka 3-D ngobukhulu</li> <li>• <b>Umbala:</b> hlela izinto ezinokwakhaka kuka 3-D nezimacala-mabini ngokwemibala</li> <li>• <b>Imilo:</b> hlela izinto ezinokwakhaka kuka 3-D no 2-D ngokwemibalo zazo</li> </ul>

ISHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
Ukwakha izinto ezindokwakhaka kuka 3-D ngokusebenzisa imathiriyeli ephathekayo (umzekelo, iibhlоко zokwakha)	<p><b>Iyaqhubekekka</b></p> <ul style="list-style-type: none"> <li>Bonelela ngeeblisko zokwakha nemathiriyeli yokwakha ngexesha lokudala ngaphakathi yonke imihla</li> <li>Phonononga ngeeblisko zokwakha</li> </ul>	<p><b>Iyaqhubekekka</b></p> <ul style="list-style-type: none"> <li>Bonelela ngeeblisko zokwakha neemathiriyeli yokwakha ngexesha lokudala ngaphakathi yonke imihla</li> <li>Abafundi mabazakhele esabo isakhiwo bekopa kumzekelo onikiweyo</li> <li>Khuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> <li>Ukomeleza ukukhuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> </ul>	<p><b>Iyaqhubekekka</b></p> <ul style="list-style-type: none"> <li>Bonelela ngeeblisko zokwakha nemathiriyeli yokwakha ngexesha lokudala ngaphakathi yonke imihla</li> <li>Abafundi mabazakhele esabo isakhiwo bekopa kumzekelo onikiweyo</li> <li>Khuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> <li>Ukomeleza ukukhuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> </ul>	<p><b>Iyaqhubekekka</b></p> <ul style="list-style-type: none"> <li>Bonelela ngeeblisko zokwakha nemathiriyeli yokwakha ngexesha lokudala ngaphakathi yonke imihla</li> <li>Abafundi mabazakhele esabo isakhiwo bekopa kumzekelo onikiweyo</li> <li>Khuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> <li>Ukomeleza ukukhuphela isakhiwo esifanayo kuyilo okanye ikhadi lomfanekiso</li> </ul>
3.3	<p><b>limilo ezinokwakhaka kuka-2-D.</b></p> <p>Qonda, uchonga nokuthiya limilo ezinokwakhaka kuka 2-D egumbini lokufunda nasemifanekisweni , kuquka:</p> <ol style="list-style-type: none"> <li>lisimboli zabafundi</li> <li>Igama lektasi</li> </ol>	<ul style="list-style-type: none"> <li>Vumela umfundi ngamnye akhette ikhadi lakhe lesimboli nigosu lokuqala</li> <li>Bonisa isimboli/ffoto kwiiyanya ezintathu zokuqala</li> <li>Yazisa igama lektasi, umzekelo, ngokusebenzisa umfanekiso .</li> <li>Leyibhelisha ucango ngagma likatishala .</li> <li>Ileyibile ebonisa iBanga labaQalayo</li> </ul>	<ul style="list-style-type: none"> <li>Bonisa iisimboli/ffoto zomfundi negama lomfundi kwiiyanya ezintathu ezilandelayo.</li> <li>Iyaqhubekekka</li> </ul>	<ul style="list-style-type: none"> <li>Bonakalisa <b>igama lomfundi</b> kuphela</li> <li>kwiiyanya ezintandathu zokugqibela zonyaka</li> <li>Iyaqhubekekka</li> </ul>
	<p><b>Ukwakha iiphazili</b></p> <ol style="list-style-type: none"> <li>Ubuncinane:</li> <li>Ikota 1: 6 izijungqe</li> <li>Ikota 2: 12 izijungqe</li> <li>Ikota 3: 18 izijungqe</li> <li>Ikota 4: 24 izijungqe</li> </ol>	<p><b>Iiphazili (Iyaqhubekekka)</b></p> <ul style="list-style-type: none"> <li><b>Qalisqa ukufundisa iiphazili</b> unike isikhokelo sokwakha iiphazili</li> <li>Xoxa umfanekiso wephazili ngohoyo oluodwa kwinckukacha ezifana nombala, abantu/ izilwanyana, izinto, ukuma kwabantu/izilwanyana nezinto</li> </ul>	<p><b>Iiphazili (Iyaqhubekekka)</b></p> <ul style="list-style-type: none"> <li>Nika iintlobo ngeentlobo zeephazili ngexesha lokudala ngaphakathi imihla ngemihla.</li> <li>Abafundi mabagqibe ubuncinane iphazili yezijungqe ezi-12 ekupheleni kwekota yesi- 2.</li> <li>Yila bagcwaliise eyabo iphazili yezijungqe ezi – 4</li> </ul>	<p><b>Iiphazili (Iyaqhubekekka)</b></p> <ul style="list-style-type: none"> <li>Nika iintlobo ngeentlobo zeephazili ngexesha lokudala ngaphakathi imihla ngemihla</li> <li>Abafundi mabagqibe ubuncinane iphazili yezijungqe ezi-18 ekupheleni kwekota yesi- 3.</li> <li>Yila bagcwaliise eyabo iphazili yezijungqe ezi – 5</li> </ul>

ISHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
<b>3.3</b> <b>limilo ezinokwakheka kuka-2-D.</b> <b>Ukuqwalasela okuthile limilo zejiyometri</b>	<ul style="list-style-type: none"> <li>Tshayelela ukuqwalasela kokuthile (chonga izinto – “ndibona ngamehlo am amancinane”)</li> <li>Ukubethelela isangqa</li> <li>Ukfundisa isangqa</li> <li>Ukfundisa unxa-ntathu</li> <li>Ukubethelela isikwere</li> <li>a) Isangqa</li> <li>b) Unxantathu</li> <li>c) Isikwere</li> <li>d) Uxande</li> <li>e) Ulwazi ngemilo (ukuqinisekisa isimo)</li> </ul>	<ul style="list-style-type: none"> <li>Ukomeleza ukuqwalasela kokuthile ngokuhlela imisetyenzana, ukutshatisa nemisetyenzana yamaqela nexesa lokuqoqsha lemihla ngemihla.</li> <li>Ukubethelela unxa-ntathu</li> <li>Ukuqwalasela isangqa</li> <li>Ukfundisa isangqa</li> <li>Ukfundisa unxa-ntathu</li> <li>Ukubethelela isikwere</li> </ul>	<ul style="list-style-type: none"> <li>Ukomeleza ukuqwalasela kokuthile ngokuhlela imisetyenzana, ukutshatisa nemisetyenzana yamaqela nexesa lokuqoqsha lemihla ngemihla.</li> <li>Ukubethelela isangqa, unx-ntathu, isikwere noxande</li> <li>Ukomeleza uxande</li> <li>Ukukwazi ukuqaphela iimilo kwiiimo zonke ezifumaneka kuzo (ukuqinisekisa isimo semilo efundweyo)</li> </ul>	<ul style="list-style-type: none"> <li>Ukomeleza ukuqwalasela kokuthile ngokuhlela imisetyenzana, ukutshatisa nemisetyenzana yamaqela nexesa lokuqoqsha lemihla ngemihla.</li> <li>Ukubethelela isangqa, unx-ntathu, isikwere noxande</li> <li>Ukomeleza uxande</li> <li>Ukukwazi ukuqaphela iimilo kwiiimo zonke ezifumaneka kuzo (ukuqinisekisa isimo semilo efundweyo)</li> <li>Ukubethelela isikwere</li> </ul>
<b>3.4</b> <b>Ulingano macala</b> Unakanana umgca wolingano –macala kunye noko kumngqongileyo	<ul style="list-style-type: none"> <li>Chonga amalungu omzimba (phantasi kokubala)</li> <li>Intitoko, amehlo, impumlo, umlomo, isilevu, intamo, amaga, ingalo, isandla, iminwe, isifuba, umlenze, idolo, unyawo, iinzwane.</li> <li>Umzimba womntu unamacala amabini</li> <li>bethelela ukuqwalasela ukuba umzimba unamacala amabini, umzekelo, “icala elinye” “nelinye icala” nto leyo ikhokela “kwicala lasekunene necala lasekhohlo”</li> <li>Ukuwela umgca osembindini okubandakanywa kwizibalo.</li> <li>Okungasentla makwerziwe ngexesha lokwakheka komzimba.</li> <li>Ngexesha lobugcisa bokuyila</li> </ul>	<ul style="list-style-type: none"> <li>Ukuwela umnqga ophakathi-ukwenza intshukumo</li> <li>Sebenzisa ukuwela umgca osembindini ngexesha leZakhono Zobomi (uKwakheka Komzimba)</li> <li>izicengcelezo neengoma</li> </ul>	<ul style="list-style-type: none"> <li>Ukuwela umnqga ophakathi- imisetyenzana yebhodi</li> <li>Sebenzisa ukuwela umgca osembindini ngexesha leZakhono Zobomi (uKwakheka Komzimba)</li> <li>Imisetyenzana yobugcisa bokuyila</li> </ul>	<ul style="list-style-type: none"> <li>Ukwakha uqwaleselo lokuba kukho ulingano-macala kwizinto</li> <li>Sebenzisa ukuwela umgca osembindini ngexesha leZakhono Zobomi (uKwakheka Komzimba)</li> </ul>

AMAGQABANTSHINTSI KWISIGABA SABAQALAYO(R)		4. UMLINGANISELO	
ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3
IKOTA YESI -4			
4.1 <b>Ixesha:</b> Chaza ixesha losuku ngokwe- imini okanye ubusuku .	<ul style="list-style-type: none"> <li>Fundisa isigama “imini no-busuku” ne “ukukhanya/ubumnyama”</li> <li>Ekuseni, emva kwemini, ebusuku (ukufunda ngokungekho seSikwerni ngeshesha lenkqubo yemihla ngemihla netshati yemozulu)</li> </ul>	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>- abafundi banikwa ithuba lokulandeletanisa iziganeko ezenzeke emini .</li> <li>- Imifanekiso iboniswa ukusuka ngasekhohlo ukuya ekunene ukwakha icala uqala kulo xa ufunda</li> <li>- Inkokheli yosuku ihambisa utolo olushukunyiswayo ngokwemisetenzana ekwinkqubo yemihla ngemihla .</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Inkqubo Yemihla ngemihla (iyaqhubebeka)</b> <ul style="list-style-type: none"> <li>- Ukubethelela ukulandeletanisa iziganeko ezenzeke ngosuku kwinkqubo yemihla ngemihla</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li><b>Ixesha:</b> Chaza ixesha losuku ngokwe- imini okanye ubusuku .</li> </ul>	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>- abafundi banikwa ithuba lokulandeletanisa iziganeko ezenzeke emini .</li> <li>- Imifanekiso iboniswa ukusuka ngasekhohlo ukuya ekunene ukwakha icala uqala kulo xa ufunda</li> <li>- Inkokheli yosuku ihambisa utolo olushukunyiswayo ngokwemisetenzana ekwinkqubo yemihla ngemihla .</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Inkqubo Yemihla ngemihla (iyaqhubebeka)</b> <ul style="list-style-type: none"> <li>- Ukubethelela ukulandeletanisa iziganeko ezenzeke ngosuku kwinkqubo yemihla ngemihla</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>a) Inkqubo Yemihla ngemihla</li> <li>b) Itshati Yemozulu</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>a) Inkqubo Yemihla ngemihla</li> <li>b) Itshati Yemozulu</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Inkqubo Yemihla ngemihla (iyaqhubebeka)</b> <ul style="list-style-type: none"> <li>- Abafundi bazi usuku , umhla nenyanga ngoonotsheluza babonise illeyibile neesimboldi kwikhalaenda yeveki .</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>a) Inkqubo Yemihla ngemihla</li> <li>b) Itshati Yemozulu</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Ukuqalisa inkqubo Yemihla ngemihla</b> <ul style="list-style-type: none"> <li>a) Inkqubo Yemihla ngemihla</li> <li>b) Itshati Yemozulu</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Itshati yemozulu (yonke imihla)</b> <ul style="list-style-type: none"> <li>- Utitshala ukhokela abafundi ukwazi igama losuku, umhla nenyanga ngengoma nangemvano-siphelo, onotsheluza nokubonisa illeyibile neesimboli kwikhalaenda ebonisa iveau .</li> <li>- Ukwakha uqwalaselo lwestigama sexesa .</li> <li>- Ukubonisa iintsuku zokuzalwa, ukuphuma, iintsuku ezibalulekileyo, iintsuku zokuphumla phakathi evekini .</li> <li>- Ukulandeletanisa iinyanga zonyaka ngengoma</li> </ul> </li> </ul>

ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
4.1 <b>Ixesha:</b> Ukulandetelanisa iziganeko ezenzeka rhoqo ebomini bakhno bernihla ngemihla. c) lintsuku zeveki d) Itshati yamaxeshha onyaka	<ul style="list-style-type: none"> <li>• <b>lintsuku zeveki</b> <ul style="list-style-type: none"> <li>- Utishala ufundisa abafundi ingoma okanye imvano-siphelo ngeentsuku zeveki. Phinda yonke imihla xa ku xoxwa ngetshati yemozulu</li> <li>- Ukulandetelanisa lintsuku zeveki ngengoma</li> </ul> </li> <li>• <b>Itshati yamaxeshha onyaka</b> <ul style="list-style-type: none"> <li>- Ukitshayelela itshati ebonisa amaxeshha amane onyaka ngokubonisa: <ul style="list-style-type: none"> <li>○ IHlolo</li> <li>○ UKwindia</li> <li>○ Ubusika</li> <li>○ Intwasa-hlobo</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>lintsuku zeveki (iyaqhubekka)</b> <ul style="list-style-type: none"> <li>- Utishala ufundisa abafundi ingoma okanye imvano-siphelo ngeentsuku zeveki. Phinda yonke imihla xa ku xoxwa ngetshati yemozulu</li> </ul> </li> <li>• <b>Itshati yamaxeshha onyaka</b> <ul style="list-style-type: none"> <li>- Usiba olubonisa ixesha lonyaka liyahanjiwsa xa kutshintsha amaxeshha onyaka</li> <li>- Ngosuku lokuqala emva kweeholide zeskolo utishala makabuze abafundi ukuba bebesenza nttoni ngexesha leeholide</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>lintsuku zeveki (iyaqhubekka)</b> <ul style="list-style-type: none"> <li>- Utishala ufundisa abafundi ingoma okanye imvano-siphelo ngeentsuku zeveki. Phinda yonke imihla xa ku xoxwa ngetshati yemozulu</li> </ul> </li> <li>• <b>Itshati yamaxeshha onyaka</b> <ul style="list-style-type: none"> <li>- Usiba olubonisa ixesha lonyaka liyahanjiwsa xa kutshintsha amaxeshha onyaka</li> <li>- Ngosuku lokuqala emva kweeholide zeskolo utishala makabuze abafundi ukuba bebesenza nttoni ngexesha leeholide</li> </ul> </li> <li>• <b>Itshati uqwalaselio</b> <ul style="list-style-type: none"> <li>- Ukwakha uqwalaselio lokwenziwayo ngumfundti ukusukela xa evuka ukuya xa esiya esikolweni.</li> <li>- Ukwakha uqwalaselio ngokwenzekileyo phakathi kwexesha lesidlo sasebusuku nelokulala .</li> </ul> </li> <li>• <b>Ukufundisa itshati yeentsuku zokuzalwa</b> <ul style="list-style-type: none"> <li>- Abafundi mabazi iminyaka yabo</li> <li>- Ukwakha uqwalaselio iwecala ekubhekiswa ngakulo xa kufundwa.</li> <li>- Abafundi mabazi lintsuku zabo zokuzalwa (usuku nemyanga)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>lintsuku zeveki (iyaqhubekka)</b> <ul style="list-style-type: none"> <li>- Usiba olubonisa ixesha lonyaka liyahanjiwsa xa kutshintsha amaxeshha onyaka</li> <li>- Ngosuku lokuqala emva kweeholide zeskolo utishala makabuze abafundi ukuba bebesenza nttoni ngexesha leeholide</li> </ul> </li> <li>• <b>Itshati yamaxeshha onyaka</b> <ul style="list-style-type: none"> <li>- Usiba olubonisa ixesha lonyaka liyahanjiwsa xa kutshintsha amaxeshha onyaka</li> <li>- Ngosuku lokuqala emva kweeholide zeskolo utishala makabuze abafundi ukuba bebesenza nttoni ngexesha leeholide</li> </ul> </li> <li>• <b>Kuyaqhubekka qho xa kulusku lomfundti lokuzalwa</b> <ul style="list-style-type: none"> <li>• Iyaqhubekka</li> </ul> </li> </ul>

ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
4.2 <b>Ubude</b> Ukutheleksisa nokulandelelansisa izinto ngokuziphatha usebenzisa isigama esisiso sokuchaza ubude.	<b>Ubude</b> <ul style="list-style-type: none"> <li>Ubude nobufutshane, ukuba mdana nokuba mde (ngokubonwayo).</li> <li>Ukutshayelela isigama sobude.</li> <li>Itshati yobude ngezandla/iinyawo esisiso sokuchaza ubude.</li> <li>Baqalise itshati yobude</li> <li>- Linganisa ngezandla (ngokubonwayo nangokumayana)</li> <li>- Ukulinganisa ngemizila yeenyawo (ngokubonwayo nangokumayana)</li> <li>- Ukulinganisa ngetheyipi yukulinganisa (ngokubonwayo nangokumayana)</li> <li>- De, futshane</li> <li>- Ndana, futshana</li> <li>- Mde,mdana (ngokubonwayo)</li> <li>- Qikelela.</li> </ul>	<b>Ubude</b> <ul style="list-style-type: none"> <li>Ende kakhulu nemfutshane kakhulu, endana, emfutshana (ukuphicotha ubude).</li> <li>Ukubetheteleta isigama sobude .</li> <li>Abafundi bakhangela ukuba bakhulile na oko kwikota ephelileyo</li> </ul> <p><b>(abafundi bangattelekisa ubude babo kwinto ekhoyo eklasini, umzekelelo, ikhabbhathi)</b></p>	<b>Ubude</b> <ul style="list-style-type: none"> <li>Qikelela ubude bezinto ezahlikileyo.</li> <li>Qikelela ulinganise izinto ezahlikileyo usebenzisa iinyawo, izandla, umsonto, uluthi, njalo-njalo.</li> </ul>	<b>Ubude</b> <ul style="list-style-type: none"> <li>Linganisa ubude bomfundu ngetheyipi yokuliringanisa (<b>sebenzisa izandla endaweni yetheyipi yokuliringanisa</b>).</li> </ul>

ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
4.3 <b>Ubunzima</b> Thelekisa, ulandelelanise izinto ngokuziphatha usebenzisa isigama ukuchaza okulandelayo: a) Lula, nzima b) Lulana, nzinyana c) Iyaqhubekeka ngexesha lokudala ngamanzi nesanti	<b>Ubunzima</b> • Fundisa isigama sobunzima ngokutheleksa ubunzima bezinto ezahlukahlukeyo, umzekelo, - Lula/nzima - Lulana/nzinyana • Ukubethela ubunzima (lulanyana/nzima)	<b>Umthamo</b> • Fundisa isigama somllinganiso womthamo ngokutheleksa umthamo wezikhongozeli ezahlukahlukeyo, umzekelo, - Ayinanto/izele - "ayinanto/izele - "ninzi kune/ninzi kune • Umthamo	<b>Umthamo</b> • Fundisa isigama somllinganiso ngokuphathekayo usebenzisa isigama ukuchaza okulandelayo: - Ayinanto/izele - Kakhulu/kancinci - Ncinci kune/ninzi kune - Ninzi /ncinci - Iyaqhubekeka ngexesha lokudala ngamanzi nesanti .	
4.4 <b>Umthamo</b> <b>Thelekisa</b> <b>ulandelelanise izinto</b> <b>ngokuziphatha</b> <b>usebenzisa</b> <b>isigama ukuchaza</b> <b>okulandelayo:</b> a) Ayinanto, izele b) Kakhulu, kancinci c) Phantsi kune, phezulu kune d) Iyaqhubekeka ngexesha lokudala ngamanzi nesanti.				

# MATHEMATIKA IBANGA LABAQALAYO (R)

AMAGQABANTSINTSHI KWISIGABA SABAQALAYO(R) 5.UKUSEBENZA NGOLWAZI OLUQOKELELWEYO				
ISILOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
5.1 <b>Ukuqokelela nokuhlela izinto.</b> <b>Qokelela ulwazi</b> <b>Qokelela izinto</b> eziphathetkayo zodidi olufanayo (emnye okanye/elilungu legele) umzekelo, amaggabi allishumi, iimilo ezilishumi	<ul style="list-style-type: none"> <li>Fundisa isigama solwazi oluseiyenzisela ukuhalutyu ngokukokelela ulwazi iwenani lamakhwenkwe nenani lamantombazana abaseklasini</li> </ul> <p><b>Ukuhlela nokurekhodisha ulwazi</b></p> <p>Hela izinto eziphathetkayo ngobunjani,umzekelo, ubungakanani bamaggabi.</p>	<ul style="list-style-type: none"> <li>Qokelela izinto (izinti ezahlukeneyo ngobukhulu)</li> </ul> <p><b>Qokelela ulwazi</b></p> <p>Qokelela izinto eziphathetkayo zodidi olufanayo (emnye okanye/elilungu legele) umzekelo, amaggabi allishumi, iimilo ezilishumi</p>	<ul style="list-style-type: none"> <li>Buza umbuzo: "Ingaba amagama anonoobumba abathandathu ngawo axhaphakileyo?"</li> <li>Qokelela ulwazi ukuphendula usebenzisa oonotsheluza bamagama.</li> </ul> <p><b>Qokelela ulwazi</b> (abafundi basebenzisa oluphi uhlobo lwestiththi xa besiza esikolweni)</p>	<ul style="list-style-type: none"> <li>Sebenzisa itshati yokuzalwa ukwazi ukuba lusuku lukabani lokuzalwa olukweyiphi inyang'a.</li> <li>Qokelela ulwazi kubafundi ukwazi umbala wodongwe lokudala lweveki ezayo, umzekelo, bhlouw, mthubi, iuhlaza</li> </ul>
5.2 <b>Ukubonisa ingqokelela eheliwiye yezinto.</b> <b>(Zoba igrafu ukubonisa ulwazi</b> <b>Zoba igrafu yemifamekiso nje ngerekhodi yowlazi eqokelelweyo).</b>	<p><b>Sebenzisa igrafu ngebhloko</b> okanye imilo ukubonisa ulwazi.</p> <p><b>Yenza igrafu ukubonisa ulwazi</b> oluqokelelweyo usebenzisa izitena okanye imilo</p>	<ul style="list-style-type: none"> <li>Zoba igrafu yengqokelela yezinto (izinti ngobukhulu bazo).</li> </ul>	<ul style="list-style-type: none"> <li>Zoba igrafu ngokuncamathisela unotsheluza wegama phantsi kwekhola mu efanelekileyo.</li> </ul>	<ul style="list-style-type: none"> <li>Zoba igrafu ebonisa lintsuku zabafundi kwinyanga nganye.</li> <li>Sebenzisa izinto zokwenyani ukwenza igrafu njengebhloko, ityhubhu ezipakishiweyo, iibhokisi zelego ezmela imibala yodongwe oluza kusetyenziswa, umzekelo, bhlouw, mthubi noluhlaza.</li> </ul>

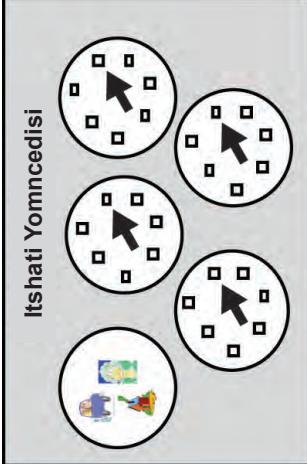
ISIHLOKO	IKOTA YOKU -1	IKOTA YESI -2	IKOTA YESI -3	IKOTA YESI -4
5.3 <b>Ukuxoxa nokuniika ingxelo ngengqokelela ehielliweyo ye-zinto.</b>	<ul style="list-style-type: none"> <li>Funda utolike ulwazi ngokusebenzisa udongwe ukubonisa inani la makhwenkwe nelamantombazana askasini.</li> </ul> <p><b>Funda uze utolikeutolike igrafu</b></p> <p>Ukuphendula imibuzo esekelwe kumfanekiso wakho okanye izinto ezihielliweyo, umzekelo, "Uzobe amaggabi amangaphi amakhulu ? Ngawaphi amakhulu kakhulu okanye amancinci?</p>	<ul style="list-style-type: none"> <li>Funda utolike igrafu usebenzisa imibuzo ukwazi inyangga enentsuku ezinini zokuzalwa .</li> </ul>	<ul style="list-style-type: none"> <li>Funda utolike ulwazi ngokubala oonotsheluza bamagama kwikholamu nganye nokufikelela kwisigqibo.</li> <li>Funda utolike igrafu(Bangaphi abahamba ngeenyawo, abeza ngeteksi, ngebhasi, njalo njalo) .</li> </ul>	<ul style="list-style-type: none"> <li>Funda utolike igrafu usebenzisa imibuzo</li> <li>• Funda utolike ulwazi ngokubala oonotsheluza bamagama kwikholamu nganye nokufikelela kwisigqibo.</li> <li>• Funda utolike igrafu(Bangaphi abahamba ngeenyawo, abeza ngeteksi, ngebhasi, njalo njalo) .</li> </ul>

### 3.5 AMANQAKU ANGCACISO

IBANGA LABAQALAYO(R) IKOTA YOKU - 1					
Iveki 1 Uqheлансо	Umyinge wexesha lokufundisa: Umsebenzi omnye wekiasi ocwangcisiweyo okhokelwa ngutitshala imizuzu engekho ngaphantsi kweshlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )				
Ishiлоо	Amanqaku angcaciso	Irixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo		
4.1 Ixesha	<b>Ukulandelelanssa iziganeko eziqhubebekayo ebomini babo bemiha ngemihla</b>	Inkqubo yemihla ngemihla inikezelwa ngemo yomfanekiso	Imihla ngemihla, emva kokwaziwa		
Ukulandelelanswa kweziganekeo ezilandeleanayo kubomi bemiha ngemihla ngemihla	<ul style="list-style-type: none"> <li>Qala ukufundisa inkqubo yemihla ngemihla</li> <li>- Yakhha ukulandelelana kweziganeko zosuku olunye.</li> <li>- Imifanekiso mayixhonywe ukusuka ekunene kuye ekhollo.</li> <li>- Inkokeli yosuku ihambisa isikhombisi ukusuka ekhollo ukuya ekunene njengoko imisebenzi yenqubo yosuku iqhubeka.</li> <li>- Abafundi bafumana amava okulandelelanssa iziganeko ngosuku.</li> </ul>				
<b>INKQUBO YEMIHLA NGEMIHLA ECETYISWAYO</b>					
Ukuфика	Irejista, imihla yokuzalwa, imozulu, iindaba	Umsebenzi wekiasi okhokelwa ngutitshala (ucwangcisiwe kwICAPS), ubugcisa obubonwayo, umdialo wangaphakathi okhulekileyo	Ithuba lokucoca	Umsebenzi wekiasi okhokelwa ngutitshala (ucwangcisiwe kwICAPS)	Amathuba okuya ngasese
Ixesha lokuty	umdialo wangaphandise okhulekileyo nokucoca	umdialo wangaphandise okhulekileyo nokucoca	Amathuba okuya ngasese	Umsebenzi wekiasi okhokelwa ngutitshala (ucwangcisiwe kwICAPS)	Ixesha lokuphumla
<b>Ixesha lokogodka</b>					

Iveki 1 Uqhelaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı ocwangcisiwego okhokelwa ngutitisha imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kwesihlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )	Amanqaku Isihloko	Amanqaku angcaciso	Ixesh Ixesh Ihesha Ixesha eliqikelelweyo
<b>Amanqaku:</b>				
	<ul style="list-style-type: none"> <li>Ukunikezelwa/ukufundiswa komxholo kuxhomekeke kwixesta elikwinkqubo yemihla ngemihla.</li> <li>Inkqubo yemihla ngemihla iyaguqu-guquqa, umz amathuba okuya ngasesese angasuswa asive kwenye inkqubo kuxhomekeke kwimeko yesikolo.</li> <li>Bonakalisa imisebenzi yetshati kuphela emva kokuba yazisive.</li> </ul>			
	<ul style="list-style-type: none"> <li><b>IIKHOLAMU ZAMANQAKU ANGCACISO AZIBHALWA NGOKULANDELELANA, KOKO ZIBHALWA MALUNGA NOMXHOLO.</b> Ngako oko kufuneka wenze isigqibo sokuba ngowuphi umsebenzi omawenziwe.</li> <li>Kwezinnye iiveki imisebenzi ingaphezulu kwesihlanu. Oku kukuqiniseksira ukuba umemisebenzi eyaneleyo oza kukhetha kuyo, loo nto ayithethi ukuba kufuneka wenze yonke imisebenzi efakiweyo.</li> </ul>	1.4 <b>Chaza, thelekisa uze ulandelelanise amanani</b>	<ul style="list-style-type: none"> <li>Ukuqlisa izifundo ngamathuba okuya ngasesee (sebenzisa amanani olandeliewano ukubonisa idawo-bume)</li> <li>- Khulisa ukuqonda kokulandelelana kwamathuba okuya ngasesee, umz amanani olandeliewano umz. (qala uye kwindlu yangasese, emva koko hambah izandla, vala itephu, ze wosule /womise izandla, njalo njalo.)</li> <li>- Yenza uqhelaniso lwamanani aqhelekileyo umz. uNandi ngowokuqala, uNamhla ngowesibini, njalo njalo</li> </ul>	<p>Emva kokuba amathuba angasese azisive, lo msebenzi mawenzeke yonke imihla.</p> <p>isepha, itaweli yobuso, izindlu zangasese, amanzi abalekayo</p>

Iveki 1 Uqhelaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı oqwangcisiwewo okhokelwa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kweshihlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )	Ishloko	Amanqaku angcaciso	Irixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo																								
3.2 Izinto ezinokwakheka kuka 3-D	<ul style="list-style-type: none"> <li><b>Ukwazisa itshati yokucoca</b> <ul style="list-style-type: none"> <li>Misela amaqela amancinci okusebenza.</li> <li>Khuthaza ukulandelejaniswa nokunelwa kwezxihobo Yahlula inani labafundi eklasini yakhbabengamaqela asibhozo okucoca. Iqela ngalinye malithabatthe inxaxheba ekucoceni indawo betshintshisana ngeveki</li> </ul> </li> </ul> <p><b>Chaza, hlela uze uthelikise izinto ezinokwakheka kuka 3-D ngoko:</b></p> <ul style="list-style-type: none"> <li>Bungakanani</li> <li>Umbala</li> <li>Izinto eziqengqelekayo</li> <li>Izinto ezitshebelezayo</li> </ul>	<p>Itshati yokucoca</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>							<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>							<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>							<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>						
																													
																													
																													
																													
																													
																													
																													
																													

Iveki 1 Uqheilaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklesi ocwangcisiweyo okhokelwa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kweshihlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )		
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Ukwazisa Itshati Yomncedisi nendlela ekusa kuhanjiswa ngayo ukuya/ ekuza kutiya ngayo.</li> </ul> <p><b>Qikele a uze ubale izinto ukukhulisa ingqiqo yamanani</b></p> <ul style="list-style-type: none"> <li>Itshati Yomncedisi isetyenziselwa ukuchonga umncedisi wosuku oza kulungisa itafile ngexesha lokuya.</li> <li>Izangqa ezihihanu kwitishati yabancedisi zimele amaqela amahlanu abafundi abahluiweyo, umz iqela eliblouw, iqela eliblouw, iqela elithyeli, iqela elluhlaza kune neqela eli-orenji. Angasebenzisa iindidi zeziqhano/ iziwanyanal/ izithuthi njalo njalo.</li> <li>Isimboli yomfundi, ngamnye maybekwe ngaphakathi kwasangqa seqela angena kulo.</li> <li>Ukjukka liintolo ezidityaniswe phakathi kwisangqa sichazu inkokeli yeqela.</li> </ul> <p>Inkokeli yeqeta iyajikeleza yonke imihla ukupinisekisa ukuba umfundu ngamnye ufumana ithuba lokuba yinkokeli.</p> <ul style="list-style-type: none"> <li>Inkoka yeqeta ibala inani labafundi neepleyiti malunga nenani labafundi abakhoyo kwiqela taloo mini. (ukuhambelana kwepleyiti nomfundi)</li> </ul>	 <p>Itshati Yomncedisi</p>	Emva kokuba Itshati Yomncedisi yazisiwe, izidio maztyiwe yonke imihla.
3.3 Izinto ezinokwakheka kuka -2-D	<p><b>Ukunakana , ukuchonga nokuxela imilo/imifanekiso enokwakheka kuka - 2-D eklassini.</b></p> <ul style="list-style-type: none"> <li>Isimboli zabafundi</li> <li><b>Nika umfundi ngamnye ithuba lokuzikhethela isimboli yakhe yekhadi.</b> <ul style="list-style-type: none"> <li>Yenza amalungiselelo ebhilo yoobuchule ngesimboli yomfundi ngamnye (umfanekiso okanye ifoto).</li> <li>Ncamathisela isimboli kwilokhari yomfundi ngamnye.</li> <li>Yeka umfundi achonge ilokhari yakhe edibana nesimboli yakhe.</li> <li>Ncamathisela isimboli negama ezmipahlensi zomfundi.</li> <li>Yeka umfundi achonge ilokhari yakhe edibana nesimboli yakhe.</li> <li>Ncamathisela isimboli negama ezmipahlensi zomfundi.</li> <li>Abaafundi bachonga iiisimboli zabo nezabahloo babo ngokudlala imidalo ukukhuthaza abafundi ekuchongeni amakhadi esimboli ahlukleyo umz abafundi benzza isangqa notitshala bebonisa zonke iiisimboli ze bafulze abafundi ukuba bachonge ezabo.</li> <li>Ifoto ezincinci zabafundi zingasetyenziswa njengamakhadi esimboli ukuba zikhona.</li> </ul> </li> <li><b>Amagama eklassi</b></li> </ul>	<p>Amakhadi aneesimboli ezizodwa zabafundi.</p> <p>Yenza amakhadi enziwe ngemifanekiso ilokha, iibhokisi okanye iihuku ezixhonywe eludongeni zinesimboli eziphawuliweyo.</p> <p>Ileyibeli yeBanga IabaQalayo (R) Umfanekiso wegama lekasi oxhonywa elucangweni.</p> <p>Mawube neleyibeli yegama nefani yetitsaha.</p> <p><b>Bethelela into yokuba abafundi Bangamalungu eqela elinye elikhulu ngokuba iklassi uyinke igama elinye, umz ngokusebenzisa imifanekiso yeklassi.</b></p> <p>Abaafundi mabalazi igama likatishala wabo</p>	Njengokuba abafundi berika ngosuku lokuqala.

Iveki 1 Uqhelaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı ocwangcisiweyo okhokelwa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 5$ )	Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo
<b>Amanqaku:</b>					
	<ul style="list-style-type: none"> <li>Bonisa kuphela isimboli yomfundii/ifoto kwiinyanga ezintathu zokuqala.</li> <li>Bonisa isimboli yomfundii/ifoto kune negama lomfundii kwiinyanga ezintathu ezizzayo.</li> <li>Bonisa kuphela igama lomfundii kwileyibheli kwiinyanga ezintandathu zokugqibela enyakeni</li> <li>Gcina ucango unyaka wonke.</li> <li>Leyibelisha igama likatitshala</li> <li>Leyibelisha ubonisa iklaşı yeBanga R</li> </ul>				
<b>Iveki 2 Uqhelwaniso</b>					
Ishloko	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı ocwangcisiweyo okhokelwa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 5$ )	Amanqaku angcaciso	Qikeleza ze ubale ngokuthemebekileyo izinto zemihla ngemihla Ukubala kwemihla ngemihla	Izixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Ukubala ngentloko/ ngesinqqi ukusuka kwisinye ukuya kwisihlanu.</li> <li>Cula amaculo ngamanani nezicengcelezoo</li> </ul> <p>Noxa abafundi bengenawazi ngamanani xa beqala iBanga R, mabakuthazwe ukuba benze izicengcelezoo zamahnari amaculo ze babale ngentloko yonke imihla.</p>	Inani lamaculo nezicengcelezoo	Imihla ngemihla		

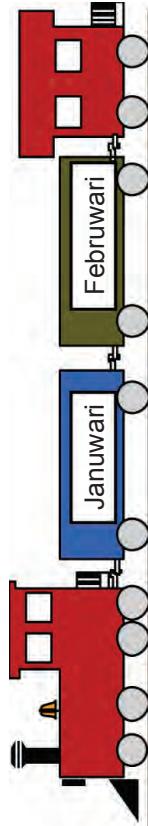
Iveki 2 Uqhelwaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaši ocwangcisiwego okhokela wa ngutitsha imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kweshlanu, umsebenzi wemathematika ngeviki ( $\pm 5$ )	Ishloko	Amanqaku angcaciso	Izixhobo ezcetyliswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo	Usuku olu-1
1.4 <b>Chaza, hela, ze ulandelelanise amanani</b>	<p><b>Thelekisa ukuba phakathi kwezinto ezimbini ozinikiwego yeyiphi enkulu nencinci</b></p> <p><b>Bafundise ngokhulu noncinci</b></p> <p><b>Ukfundura usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Abafundi bafumana amava ngokhulu noncinci, baqotha imizimba bazenze bencinci ze bazoulule kangangoko banako bezenza bakhulu.</li> <li>- Xelela abafundi badibaniše izandla zabo nezabahlobo bejingga ukuba zezikabani ezikhulu okanye ezincinci.</li> <li>- Telekisa izandla zikatishala nezomfundu</li> <li>- Telekisa ingalo katitshala neyomfundu.</li> </ul> <p><b>Chaza, uholele uze utelekise izinto ezinokwakheka kuka 3-D no 2-D ngokobungakanani</b></p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Yenza iibhola ezinkulu nezincinci.</li> <li>- Fumana izinto ezinkulu nezincinci</li> <li>- Phawula izinto ezinkulu ngesitikha esibomvu ze ezincinci uziphawule ngesity heli. Theta malunga nobungakanani obahlukeneyo bezinto .</li> <li>- Hela izinto ezinkulu nezincinci ngokobungakanani.</li> </ul> <p><b>Ukusebenzisa izinto okanye ilmilo ezokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Sebenzisa amagama 'ubukhulu' no'buncinci' xa usenza imisebenzi yobugcisa:</p> <ul style="list-style-type: none"> <li>- Ngokukhangela imifanekiso yezinto ezinkulu nezincinci uze uyiske.</li> <li>- Abafundi mababbale ngokucinezela/mabathreyise izandla zabo ze basike umtreyiso. Mababeke umtreyiso omnye phezu komnye. Jonga ukuba sisandla sikabani esikhulu nesincinci.</li> <li>- Yanlula iphepha kabini.</li> <li>- Ncamathisela zonke izinto ezincinci kwelinye icala lephepha ze uncamatisele izinto ezinkulu kwelinye.</li> </ul>	Abafundi	Udongye lokudlla Izinto ezinkulu nezincinci	limagazini, amaphepha-ndaba, izibhengزو, izikere	Iphepha i-A3, iikhrayoni	

Iveki 2 Uqhelwaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklesi ocwangcisiweyo okhokela wa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kwesthanu, umsebenzi wemathematika ngeveki ( $\pm 5$ )	Ishloko	Amanqaku angcaciso	Irixhobo ezicetyiswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo	Usuku olu-1
3.1 Indawo-bume, ukufumana indawo apho hoyo, nembonakalo	<p>Chaza idawo bume yezinto ezi-2 okanye ezi-3 ezinokwakhaka kuka 3-D ngokunxulumene nomfundi: ngaphandle nangaphakathi</p> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Nikia umfundsi ngamnye uHula-hupu (<i>Hoops</i>). (Utitsala ubonisa abafundi ngokuthi enze nabo ebiza abagama "ngaphakathi nangaphandle"). Mabatsibatsibe ngaphakathi nangaphandle uhula-hupu belinganisa imiyalelo katishala.</li> <li>- Yima ngomlenze omnye kuhula-hupu ze omnye umlenze ube ngaphandle.</li> <li>- Thabatha ibhkisi ze umfundsi atsibatsibe ngaphakathi nangaphandle emva koko abafundi baxoxe ngokuba umfundsi ungaphandle na okanye ungaphakathi.</li> <li>- Tsibela ngaphandle nangaphakathi kwamavili njengomsenbenzi wokuthamba.</li> <li>- Tsibela ngaphakathi nangaphandle kuhula-hupu uvale amehlo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinekwakhaka kuka 3-D</b></p> <p>Yéka abafundi:</p> <ul style="list-style-type: none"> <li>- Batsale unodoli (umntwana) ngaphakathi bafake unodoli phakathi ze bamkuphele ngaphandle kwekhothi (ibhedi)</li> <li>- Jula ibhola /ibimbhegi (<i>bhinbhegi</i>) kuhula-hupu/evilini</li> <li>- Sebenzisa udongwe ze ulubumbe lube zilhola izisicaba (indlu yentaka); bumba ngaphezu kwebhola enye (amaqanda) ze uwabeke ngaphakathi/ ngaphandle kwendwana yentaka ngokomyalelo katishala.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Yalela abafundi ukuba:</p> <ul style="list-style-type: none"> <li>- Bajonge umfanekiso ze bakhangeli ukuba Bangazifumana na izinto ezibonissa izinto ezingaphakathi nezingaphandle.</li> <li>- Mabazobe zona ngaphandle / ngaphakathi kuhula-hupu/ ibhafu, njalo njalo.</li> </ul>	 <p>UHula-hupu (<i>Hoops</i>)</p>				

<b>Iveki 2</b> <b>Uqhelwaniso</b>	Umyinge wexesha lokufundisa: Umsebenzi omnye weklesi ocwangcisiwego okhokelwa ngutitshaa imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engekho ngaphantsi kweshihlanu, umsebenzi wemathematika ngeveki ( $\pm 5$ )	<b>Ishloko</b>	<b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b>	<b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b>	<b>Ixesha eliqikelelweyo</b>
<b>3.2</b> <b>Izinto ezinokwakheka kuka 3-D</b>	<p><b>Ukwakha izinto ezinokwakheka kuka-3-D usebenzisa izinto eziphathekayo</b></p> <ul style="list-style-type: none"> <li><b>Phonononga amathuba okwakha iibhloko ngexesha kusensiwa umdlalo okhululekileyo wangaphakathi</b> <ul style="list-style-type: none"> <li>- Inxaxheba ethathwa ngutitshala ekujongeni lo mndlalo</li> <li>- Phonononga amathuba okwakha iibhloko ngokuncedisa abafundi ukuba bakhe ngokunkamlezileyo (ezisicaba), ngokwehiayo (sicaba), izakhwiwo ezide nezfifushane.</li> <li>- Hela ze ulandeelanise iibhloko ezahlukeneyo ngokudibanisa ezineemilo ezifanayo.</li> <li>- Hela ze ulandeelanise iimilo ezahlukeneyo ngokuzidibanisa ngokobungakanani.</li> <li>- Hela iibhloko ngokobukhulu noburunci.</li> <li>- Umfundsi ngamnye makafumane iibhloko enamacala andokwakheka kuka 3-D, ebuxande ze azilungise geendelia ezininzi, ukuba kunokwenzeka, umz zidwelise ze uziqokelele ngeendelia ngeendelia. Abafundi Bangatheleksa ze bakope /bakuphele ezabanye. Basenokwabelana ngeebhloko bengamaqela ukubenza baqonde ngeendelia ezimi ngayo.</li> <li>- Nyusela ukupakishwa kweebhloko zokwakha ngokoyilo olunikiwego olungasemva kwseshifu ngokuzidibanisa ngokolu yilo lunya.</li> </ul> </li> </ul>	<p><b>Amanqaku angcaciso</b></p> <ul style="list-style-type: none"> <li><b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b></li> <li><b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b></li> </ul>	<p><b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b></p> <ul style="list-style-type: none"> <li><b>Irixhobo ezcetyliswayo/ ezinokusetyenzisawa</b></li> </ul>	<p><b>Imini e-1 uze ukuphindie oku ngexesha lokudlala ngokukhululekileyo yonke imihla</b></p>	

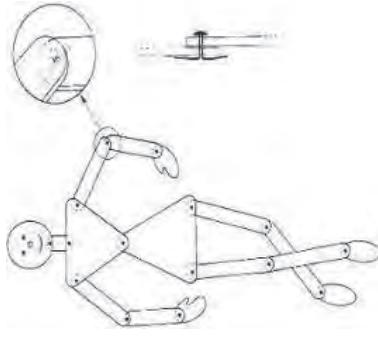
<b>Iveki 2 Uqhelwaniso</b>	<b>Umyinge wexesha lokufundisa: Umsebenzi omnye weklesi ocwangcisiwego okhokelwa ngutitishaa imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku (<math>\pm 30</math>), imizuzu engekho ngaphantsi kweshilanu, umsebenzi wemathematika ngeveki (<math>\pm 5</math>)</b>	<b>Ishloko</b>	<b>Amanqaku angcaciso</b>	<b>Izixhobo ezicetyiswayo/ ezinokusetyenziswa</b>	<b>Ixesha eliqikelelweyo</b>
<b>3.2 Izinto ezinokwakheka kuka 3-D</b>	<b>Chaza, hela ze uthelekise izinto ezinokwakheka kuka 3-D no 2-D ngokwemibala engundoqo, oluhaza okwesibhakabhaka, obomvu, otyheli/oqanda</b>  Bonisa umbala uba mnye ngexesha. Sukudibanisa umbala omnye nesimo esinye Yahlula abafundi i babe ngamaqela amahlanu.  Nika iqela ngaliney izinto ezinemibala emininzi ezinokwakheka kuka 3-D no -2-D ngokweemilo.		<ul style="list-style-type: none"> <li>- Bafundise umbala ngamnye ngokubabonisa ikhadi ellinalo mbala ufunu abantwana bawazi, umz obhlowu. Wuphindha-phinde nomnye umbala.</li> <li>- Abafundi mabahlele izinto ngokokwakheka kuka 3-D no -2-D ngokwamakhadi awohlukeneyo aboniswiyeo.</li> </ul>	Izinto ezahlukeneyo ezikwimo ezinokwakheka kuka 2-D nezi 3-D	Usuku olu-1
<b>Ukufunda usebenzisa intsnukumo yomzimba</b>	<ul style="list-style-type: none"> <li>- Ncamathisela izangqa ezinemibala eyahlukeneyo (bomvu, qanda, bhlowu), nqunqa ikhalibhodi esifubeni somfundi ngamnye.</li> <li>- Abafundi mabazicwangcise ngokwemibala eyahlukileyo.</li> </ul>			Izangqa ezibomvu, eziqanda nezibhlowu ngutitsala ezisikwe kwikhaliibhothi.	
<b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b>			<ul style="list-style-type: none"> <li>- Utitshala ubiza abafundi abahlanu beze ngaphambili ze anike umfundi ngamnye into eyahlukileyo enokwakheka kuka 3-D ukuba ayibambe ngesandla sakhe.</li> <li>- Abafundi abashiyeyleyo mabahiale phantsi ngokwamaqela benengqokelela yezinto ezinokwakheka kuka 3-D kumbindi wetafile.</li> <li>- Umfundu wokluqala ngaphambili makaphakamise into yakhe enokwakheka kuka 3-D umz. ibhloko yeyunifiksi ebhlowu okanye isangqa esiqanda, iimilo zelogu okanye iphazili, njalo njalo</li> <li>- Abafundi, ngokwetofile, bahlela izinto ezahlukeneyo ezinokwakheka kuka 3-D njengoko abafundi beziphethe.</li> </ul>	Iresiphi yokupeyinta ngeminwe: ikomotyi yomgubo ibe nye ikomotyi yeswekile ibe nye amathontsi amath athu esijiki-bala sokutya/iphawuda yepeyinti iikomotyi ezintlanu zamanzu abilleyo (zamisa amanzi ngokucothayo)	
<b>3.3 Izinto ezinokwakheka kuka 2-D</b>			<ul style="list-style-type: none"> <li>- Utitshala ulungisa lpeyinti yeminwe kwangethuba</li> <li>- Abafundi bazzoba imilo ngepeyinti besebeenzisa iminwe.</li> <li>- Batrheyisa imilo ezinokwakheka kuka -2-D ze bayifake umbala.</li> </ul>		

Iveki 2 Uqhelwaniso	Umyinge wexesha lokufundisa: Umsebenzi omnye weklesi ocwangcisiweyo okhokelwa ngutitishaa imizuu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuu engekho ngaphantsi kweshianu, umsebenzi wemathematika ngeveki ( $\pm 5$ )	
Ishloko Ixesha	<p><b>4.1</b></p> <p><b>Ukulandeletelanisa iziganekko ezenzeka rhoqo kubomi babo bemihla ngemihla</b></p> <ul style="list-style-type: none"> <li>• linyanga zonyaka</li> <li>• Ixesha</li> </ul> <p><b>Bafundise itshati yemihla yokuzalwa</b></p> <ul style="list-style-type: none"> <li>- Ylla / yenza itshati yemihla yokuzalwa emibalabala umz. uloliwe onamakhareji alishumi elinambini (inyanga nganye) – iinyanga mazilandelane ukusuka ekunene ukuya ekhohlo emakharejini. Beka igama nesimboli /foto yomfundi kwinyangaa azalwa ngayo.</li> <li>- Benze baqonde ngokufundwa kwechesha umz. iinyanga zonyaka ngokuthi bacengceleze amagama eenyanga bezikhomba ngamagaba eenyanga.</li> <li>- Khulisa ukukwazi ukufunda izalathiso. Umz. Bonisa ilevibheli yenyangga nganyiye yonyaka kumqolo omnye ukusuka ngasekhohlo ukuya ngasekunene.</li> <li>- Yalela abafundi bachonge liisimboli/foto zabo ze babethellele entloko (bankqaye) ukuba usuku lwakhe lokuzzalwa lukweiyphi inyangaa.</li> <li>- Bakhuthaze ukuba bazi iminyaka yabo.</li> <li>- Phinda-phinda lo msebenzi ngokuzingsileyo(amaxesha ngamaxeshaa)</li> </ul> <p><b>Itshati yomhlayosuku wokuzalwa</b> ereneyanga ezilishumi elinambini zonyaka zibonisiwe ukusuka ekhohlo ukuya ekunene Isithsaba okarye umfanekiso wekeyiki yosuku lokuzalwa lubonakalisa ukuba usuku lokuzalwa ludlule.</p> <p>Ingoma: Qamba eyakho ingoma</p> <p><b>"EYOMQUNGU (JANYUWARI), EYONDUMBA (FEBRUWARI), EYOKWINDLA (MATSHII), UTSHAZIMPUZI (EPREL), UCANZIBE (MEY), ISILIMELA (JUN), EYEKHALA (JUNII), EYETHUPHA (AGASTI), EYEDWARHA (OKTOBHA), EYENKANGA (NOVEMBA), EYOMNGA (DISEMBA).</b></p>	<p>Ixhobo ezicetyiswayo/ ezinokusetyenziswa</p> <p>Ixhesha eliqikelelweyo</p> <p>Unyaka wonke xa kukho usuku lokuzalwa.</p>

**Qaphela:**

- Usuku lokuzalwa komfundu lubaluleke kakhulu kwaye malubekwe bucala njengomjikelo weemini zokuzalwa apha abafundi baza kucula u"Min' eMnandi Kuwe!" beqhwaba izandla ngokweminyaka yokuzalwa kwamakhwenkwearmantombazzana.
- Umfundu ngamnye eklasini angazoba umfanekiso ze utitshala aqokelele/adibaniise yonke imfanekiso kwincwadi yosuku lokuzalwa komntwana, lowo ubhiyozaela usuku lwakhe lokuzalwa.
- Utitshala angenza imbasa yosuku lwemini yokuzalwa kwenkenkwe okanye intombazana ze abafundi bayihombise ngezixhobo zekholajii.
- Lo msebenzi mawuphindaphindwe ngosuku lokuzalwa komfundu ngamnye apha eklasini.

Iveki 3 Uqhelaniso	Qikelela ze ubale izinto zemihla ngemihla ezzithembekileyo	Amanqaku angcaciso	Ishiloko	Amanqaku angcaciso
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Ukubala ngomlomo kwemihla ngemihla</li> <li>Ukubala ngentloko/ ngesingqi ukusuka kwisinye ukuya kwishilanu.</li> <li>Cula amaculo ngamanani nezicengcelezo</li> </ul> <p>Noxa abafundi bengenalwazi ngamanani xa beqala iBangla R, mabakhuthazwe ekuculen'i izicengcelezo zamanani amaculo ze babale gentloko yonke imihla. Chonga uze ubale amalungu omzimba awohlikileyo (Umfanekiso womzimba)</p>	<p>Chonga/khettha ze ubale iindawo ezahlukelenleyo zomzimba</p> <p>Ukubala kwemihla ngemihla komlomo ukusuka kwisinye ukuya kwishilanu.</p> <p><b>Ukfufunda usebenzisa intshukumo yomzimba (Ziqukwe nezhkhono zobomi – ubume ubububo bomntu)</b></p> <ul style="list-style-type: none"> <li>Benze baqonde ngokufundwa kwamalungu omzimba ngokuthi babale amalungu omzimba.</li> <li>Ndibonise impumlo ze uyibale. Zingaphi iimpumlo zakho?</li> <li>Ndibonise iindlebe zakho uzibale. ,Zingaphi? Ingaba ikho eyongeziweyo? Masibale ngokwengenza.</li> <li>Ndibonise izandla zakho. Zingaphi? Masibale.Ubona ntoni ezzandleni zakho? Iminwe? Ungayibala? Masibale izandla neminwe: 1,2,3,4,5.</li> <li>Mangaphi amehlo? Bala iindlebe zakho namehlo akho. Bamba amehlo neendlebe zakho ngeli xesta ubalayo, ugale ngeendlebe zakho.</li> <li>Hala ujonganee nomhlobo wakho ze ubale amalungu akhe omzimba kodwa qala uwabambe ze uwabale. Utitsala makakhokele le nkqubo, umz bamba indlebe yomhlobo wakho ibe nye, bamba enye indlebe yakhe; yibaleizibale; nye, zimbini. Ingaba ziyanana nezhkhono. Qhuba nalo msebenzi.</li> <li>Chonga / khettha amalungu omzimba apho lifumaneka liliyene emntwi umz impumlo nye, umlomo mnye, isillevu sinye, njalo njalo.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka- 2-D okanye imifanekiso</b></p> <p>Yalea abafundi:</p> <ul style="list-style-type: none"> <li>Bajonge isipili ze bazithreyise/ bazizobe.</li> <li>Mabenze uyilo lwemizimba yabo kwiphephandaba ze bawuhombise kakuhle. Zoba umgca embindini.</li> <li>Nqunqa / sika imifanekiso yamalungu omzimba ahlukeneyo kwimagazini okanye isibhengezo ze ugqibezele ubuso.</li> <li>Nqunqa/ sika ubuso kwiimagazini ze uzobe amanye amalunqu omzimba ashiyekileyo.</li> </ul>	<p>Inani tamaculo nezicengcelezo</p> <p>Imihla ngemihla</p>	Usuku olu-1

Iveki 3 Uqheilaniso	Ixesha lokufundisa elicetyiswayo: Umsebenzi omnye weklaši ocwangcisiwewo okhokela wa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kwestianu umsebenzi weMathematika ngeveki ( $\pm 5$ )	
Ishloko	Amanqaku angcaciso	Ishloko
3.3 Ulingano - macala	<p><b>Ukuqonda/ukunakana umgca wolingano-macala wakho</b> <b>Benze baqonde ukuba umzimba womntu unamacala amabini</b></p> <p><b>Ukusebenza ngentshukumo yomzimba</b></p> <p>Betheləa kwicala elinye / kwelinye icala</p> <p>Utishala uthetha nabantwana malunga nomphambili womzimba nomva kwakunye nomntia nomzantsi womzimba.</p> <p><b>Yenza abafundi:</b></p> <ul style="list-style-type: none"> <li>- Bazijonge esipilini apho banokuthi babone yonke imizimba yabo.</li> <li>- Bachonge /bakhethé okokuba ngawaphi amalungu akwelinye icala aphinde abe kwelinye icala lomzimba.</li> <li>- Babambe amalungu omzimba njengoko kufuneka umz ‘bamba jinzwane zakho, bamba iinyawo zakho, bamba imlenze yakho’ Abafundi bangeriza imithambo bevale amehlo.</li> <li>- Babambe ilungu elinye lomzimba nelinye ilungu lomzimba umz. chukumisa amaqatha akho ngempumlo njalio rjalio. (ikwangumsebenzi womgca ogqitha embindini)</li> </ul>	<p>Amanqaku angcaciso</p> <p>Abafundi</p>  <p>Isipili esipheleleyo ngobude utishala angabeka esebeenzisa imilinganiselo yeminwe/umzobo osikwe ekhadibhodini</p>
3.2 Izinto ezinokwakhaka kuka 3-D	<p><b>Ukuqonda/ ukunakana, ukuchonga nokuxela izinto ezinokwakhaka kuka- 3-D eklassini. iibhola</b> <b>Benze baqonde, bachonge baze bathiye iibhola amagama</b></p> <ul style="list-style-type: none"> <li>- Abafundi badlala ngeebhola ze babonakalise, baxele zonke izinto abanokuzenza ngeebhola. Utishala ukhokela ingxoxo ngokubuza imibuzo.</li> <li>- Chonga zonke izinto ezinokuqengqeleteka umz. bonisa iibhokisi ze ubuze imibuzo: ucinga ukuba iibhloko ingaqengqeleteka? Masibone”.</li> <li>- Qengga zonke izinto ze ubukele ukuba ziqengqeleteka njanı umz iinkonkxa ziqengqeleteka kwicala elinye kuphela.</li> <li>- Sebenzisa udongwe ukubumba iibhola ezinokuqengqeleteka xa kusenziwa imidalo (undhalo wokuzikhethela ngaphakathi).</li> <li>- Ngexesha lentshukumo abafundi Bangazama ukuyeka imizimba yabo igengoleke, iqengqwa ngexesha becambolele ngemizimba yabo njengebhola neengqukumba.</li> </ul>	<p>Isipili esipheleleyo ngobude utishala angabeka esebeenzisa imilinganiselo yeminwe/umzobo osikwe ekhadibhodini</p> <p>izinto ezingqukuva umz ii-orenji, ii-apile, iibhola, iinkonkxa ezingqukuva ezingenanto. (Yenza iibhola usebenzissa izinto eseze zisebenzile umz. iibhola zamaphephanda abotshwe ngekawusi endala)</p> <p>izinto ezisisikweri umz iibhloko ukudala iresiphi yodongwe:</p> <p>ikomityi yomgubo ihafu yekomityi yetyuwa, ikomityi enye yamanzi, iitispuni ezimbini ze-oyle yokupheka amathontsi ambalwa okujika umbala ukutyu</p> <p><b>Xuba zonke izithako</b></p>

Iveki 3 Uqheilaniso	Ixesha lokufundisa elicetyiswayo: Umsebenzi omnye weklesi ocwangcisiwego okhokela ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kweshihlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )		
Ishloko	<p><b>3.3 Izinto ezinokwakheka kuka 2-D</b></p> <p><b>Ishloko</b></p> <p>Amanqaku angcaciso</p> <ul style="list-style-type: none"> <li><b>Ukuqonda/ ukunakana, ukuuchonga nokuxela iimilo ezinokwakheka kuka 2-D eklasini - izangqa</b></li> <li><b>Ukfundisa izangqa</b></li> </ul> <p>Xa ufundisa izangqa okokuqala izinto ezisetyenziwayo mazifane ncakasana ngento yonke umz. ubungakananai obunye, umbala omnye, imvakalo enye).</p> <p><b>Imisebenzi eyenziwa ngentshukumo yomzimbba</b></p> <p>Utishala uzoba isangqa phantsi /emgangathweni. Yeka abantwana bahamba-hamble beijkeleza isangqa ngexesha bethetha, “ndihamba ecaleni kwasangqa...jikelele jikelele”</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Babambane ngezandla benze isangqa.</li> <li>- Benze isangqa ngemizimba yabo.</li> <li>- Bajikeleze isangqa ngaxeshanye becula ingoma.</li> <li>- Bahlale phantsi esangqeni bephoselana ngento ukusuka komnye ukuya komnye ngexesha becula “mbongolo, mbongolo, ibigqith’ aph’ impongolo”. Umfundsi osenento ngexesha kuyekwa ukucula, makahambe aye kuhlala embindini wesangqa.</li> </ul>	<p><b>Ishloko</b></p> <p>Amanqaku angcaciso</p> <p>Makusetyenziswe ingoma ehambelana nesangqa.</p> <p>Umdialo, “inkukhw’ ibek’ iqanda. Intoni?</p> <p>Iqanda”</p>	<p>Amanqaku angcaciso</p> <p>Usuku olu-1</p>
	<p><b>Ukusebenzia izinto eziphathetekayo ezinokwakheka kuka 3-D</b></p> <p>Utishala ubonisa abantwana isangqa sokudala ze abacaciele ukuba xa sibizwa kuthiwa sisangqa. Isangqa asinazikona.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Baphathe isangqa sokudala esinokwakheka kuka 3-D ngelii xa beijkeleza isangqa.</li> <li>- Fumane izinto eklasini ezifana ncakasana nesangqa.</li> </ul> <p><b>Ukuhlela ze bathelkise izinto ezinokwakheka kuka 3-D ngokobungakanani nombala</b></p> <p>Utishala unika abafundi iinttobo ngeenttobo obahlukenevo (khulu kune noncinci) kune nemibala bomvu, qanda, bhlouwu) ezifana nebhola yentenetya, amaqqam, iibhaloni njalo.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Hlela izinto ngokobulkhulu nobuncinci.</li> <li>- Hlanganisa izinto ngokwemibala eyahlukeneyo.</li> </ul>	<p><b>Ishloko</b></p> <p>Hula-hupu</p>	<p>Usuku olu -1</p>

Iveki 3 Uqheilaniso	Ixesha lokufundisa elicetyiswayo: Umsebenzi omnye weklassesiweyo okhokela wa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kwesihlanu umsebenzi weMathematika ngeveki ( $\pm 5$ )	Ishloko	Amanqaku angcaciso	Ishloko	Amanqaku angcaciso
4.1 Ixesha	<ul style="list-style-type: none"> <li>• <b>Ukwazisa itshati yemozulu nekhalenda</b></li> </ul> <p>a) Ixesha b) Iintsuku zeveki c) Ukulandelanisa iziganeko d) Ukubala</p> <p>- Imozulu imele lveki enye (iintsuku ezintanu) usebenzissa iiymboli zamakhadi. umz iintsuku ezintathu ngeveki zillandeliana ukusuka ekholio ukuya ekunene (jonga umzekelo apha ngezantsi)</p> <p>- Imozulu mayenziwe <b>yonke imihla</b></p> <p>- Utitsuala ukhokela abafundi ukuqonda amaggama eentsuku, imihla, jinyanga ngokoontosheluza abanemifanekiso (ekugqibeleni abafundi Bangachongza ze babonise oonotsheluza ngokwabo).</p> <p>- Inkokeli yosuku iqwalasela imozulu phandle ze yabelane ngaloo nto iyfumeneyo namalungu eqela xa ewonke umz kuyana, kukho amafu, yimini eshushu.</p> <p>- Utitsuala ubonis aabafundi izinto azifumeneyo ngokusebenzisa oonotsheluza rijengemifanekiso (ekugqibeleni abafundi Bangabonisa ababo oonotsheluza).</p> <p>- Ngokwenza oku abafundi Bangafunda ngeentsuku zeveki neempelaveki.</p> <p>- Babafundi bankiwa amathuba okubala ukuya kuma kwishianu. Babala iintsuku ezishushu, ezbandalayo, ezinomoya, njalo njalo.</p> <p>- Babonisa iiymboli zabafundi ukuba ngaba kukho iintsuku zokuzalwa kuloo veki.</p> <p>- Babonisa nawuphi na umsebenzi owenzeka evekini umz. ukuya kumzi wezilwanyana (ibonakaliswe ngomfanekiso wezilwanyana)</p>	<p>Itshati yemozulu kufuneka ibonise iiiveki, umz iintsuku zeveki ngokulandeliana kwazo ukusuka ekholio ukuya ekunene kwinyanga zokuqala ezintandathu ze yenziwe yonke imihla.</p> <p>Oonotsheluza:</p> <ul style="list-style-type: none"> <li>- BeeNtsuku zeveki</li> <li>- Bamanani ukusuka kwisinye ukuya kumashumi amathathu ananye</li> <li>- Amagama eenyanga ezelishumi elinambini</li> <li>- Unyaka umz. 2012</li> <li>- Amakhadi anemozulu umz</li> </ul>	   	<p>Fundisa abantwana ingoma yeentsuku zeveki abaza kuyazi ngentioko (abaza kuyinkqaya)</p>	

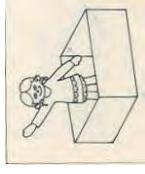
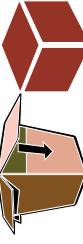
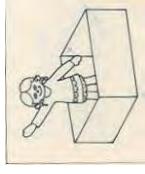
<p><b>Iveki 3</b></p> <p><b>Uqheilaniso</b></p> <p><b>Ishloko</b></p> <p><b>Umzekelo wetshati yemozulu</b></p>	<p>Ixesha lokufundisa elicetyiswayo: Umsebenzi omnye weklesi ocwangcisiweyo okhokelwa ngutitshala imizuzu engekho ngaphantsi kwamashumi amathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kwesthanu umsebenzi weMathematika ngeveki (<math>\pm 5</math>)</p> <p><b>Amanqaku angcaciso</b></p> <p><b>Itshati yemozulu</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2">Juni</th> <th colspan="3">2012</th> </tr> <tr> <th>Cawa</th> <th>Mvulo</th> <th>Lwesibini</th> <th>Lwesithathu</th> <th>Lwesine</th> <th>Lwesihihanu</th> <th>Mgqibelo</th> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> </table>	Juni		2012			Cawa	Mvulo	Lwesibini	Lwesithathu	Lwesine	Lwesihihanu	Mgqibelo	12	13	14	15	16	17	18	<p><b>Isihloko</b></p> <p><b>Amanqaku angcaciso</b></p> <p><b>Itshati yemozulu</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2">Juni</th> <th colspan="3">2012</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Juni		2012									
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12	13	14	15	16	17	18																											
Juni		2012																															
																																	
<p><b>Ixesha</b></p>	<p><b>Ukulandeelanisa iziganekko ezenzeka rhoqo kwimihla ngemihla ebomoni babo</b></p> <ul style="list-style-type: none"> <li><b>Intsuku zeveki</b></li> </ul> <p>Utishala ufundisa abafundi amaculo nezicengoelezo ezimalunga neentsuku zeveki.</p> <p><i>Iculo:</i></p> <p>“Zisixhenxe iintskuzeveki, zisixhenxe iintskuzeveki”.</p> <p>“Cawe, Mvulo, Lwesibini, Lwesithathu, Lwesine, Lwesihihanu, Mgqibelo.” (phinda-phinda kabini)</p>	<p><b>4.1</b></p> <p><b>Ukufundisa itshati ebonisa amaxesha onyaka omane uwabonisa ngotolo:</b></p> <ul style="list-style-type: none"> <li>Sikwelphi ixesha lonyaka ngoku?</li> <li>Liliphi ixesha lonyaka esele lidulile?</li> <li>Bonisa umfanekiso wexesha lonyaka esikulo neenyanga zalo, umz ngoJanyuwari ukuya kuMatshi ungabonisa umfanekiso waseHlotyeni.</li> </ul> <p><b>Amaxesha onyaka</b> (Ixesha)</p>																															
<p><b>Qaphela:</b></p> <p>Yonke imiba emitsha mayaziswe ngokwamaqondo alandelayo</p> <ul style="list-style-type: none"> <li>Iqondo lemisebenzi eyenziwa ngentshukumo yomzimba novakalelo</li> <li>Iqondo lezinto eziphathetkayo(ukusetyenziswa kwezinto ezinokwakhaka kuka 3-D)</li> <li>Iqondo lezinto ezsemifanekisweni (ukubonakaliswa kwezinto ezinokwakhaka kuka 3-D ephephni umz.ukuzoba, ukudibanisa imifanekiso, amakhadi emiddalo, amaphepha okusebenzela njalo njalo) zonke iimilo ezibizwa ngokuba zimacula mabini.</li> </ul>	<p>Iculo: intskuzeveki okanye baqambe awabo amaculo eentsuku zeveki.</p> <p><b>Amaxesha</b></p>  <p>Ihlolo UKwindia INTwasahlobo UBusika</p>	<p>Litsintshe elo xesha lixhonyiweyo xa kutshintsha ixesha lonyaka</p>																															

Iveki 4 Ukuqala ukufundisa amanani	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı oçwangcisiweyo okhokheiwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kweshihlanu umsebenzi webathebatika ngeveki ( $\pm 5$ )	Isihloko	Abanqaku angcaciso	Isihloko	Abanqaku angcaciso
1.1 Ukubala izinto	Chonga ze uchaze amanani apheleleyo Ukfundisa intsingiselo yenani u-1  Ukubala komlomo okuqala kwisinye ukuya kwishihlanu <b>Ukufunda usebenzia intshukumo yomzimba</b>	Yenza abafundi:  <ul style="list-style-type: none"> <li>- Bachonge amalungu omzimba umz impumlo enye.</li> <li>- Banqwale intloko kanye, ukungqisha kanye, ukutsiba kanye.</li> <li>- Babambe ummwe omnye, isandla esinye, unyawo olunye njalo njalo</li> <li>- Benze inani isinye ngemizimba yabo</li> <li>- Babhale inani isinye emoyenil/phantsi.</li> <li>- Baqhwabe izandla kanye</li> </ul>	Inani lamaculo nezicengcelezo	Usuku olu- 1	
	<b>Ukusebenzia izinto eziphathekayo ezinokwakheka kuka- 3-D</b>	Yenza abafundi:  <ul style="list-style-type: none"> <li>- Bachonge nayiphina into ezimeleyo eklasini umz. ibhloko eyakhiweyo ibeny.</li> <li>- Benze inani, u-nye ngodongwe.</li> </ul>	Izinto eklasini nokusingqongileyo	Umfanekiso wento enye	Isixhobo sokubala sibe sinye kumfundi ngamnye lindidi rgeendidi zemifanekiso ekoontsheluza. Oonotsheluza abanamachaphaza

<b>Iveki 4</b> <b>Ukuqala ukufundisa amanani</b>	<b>Umyinge wexesha lokufundisa:</b> <b>Umsebenzi omnye weklaši ocwangcisiweyo okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kweshlanu umsebenzi webathebatika ngeveki (<math>\pm 5</math>)</b>	<b>Isihloko</b>  <b>Abanqaku angcaciso</b>	<b>Isihloko</b>  <b>Abanqaku angcaciso</b>
<b>2.1</b> <b>lipateni zejjiyometri</b>	<ul style="list-style-type: none"> <li>• <b>Chonga iipateni zokusinqongileyo neempahla zabafundi</b></li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Bathetha ngeepateni ebebeziqwalasele kokusinqongileyo nasezimpahleni zabo:</li> <li>- Zizphi iipateni ezinemiga, iibhloko?</li> <li>- Ingaba iipateni ziyačana zonke, yintoni umahluko, zifana ngantoni?</li> <li>- Yenziwe ngantoni ipateni?</li> <li>- Ipateni iphindaphindiwe – imigca/ ibhloko/imilo</li> </ul> <p><b>Ukusebenza gentshukumo yomzimba</b></p> <p>Utitsħala ubopha iribħoni ebomvu nebħlouw kwiingalo ezine zabafundi. Wakha ipateni ngokubeka umfundi oneribħoni ebomvu ngaphambili eklasini kulandele oneribħoni ebbħlowu ze kugħżejeb oneribħoni ebomvu. Yeka abantwana bagqibzeze le pateni.</p> <p><b>Ukusebenza izinto eziphathekayeo eżinokwakħeka kuka - 3-D</b></p> <ul style="list-style-type: none"> <li>- Utitsħala wenza ipateni ngeziciko ezithathu eżibħlou nezintathu eżibomvu.</li> <li>- Yenza abafundi bakhupħehe ipateni katitħħala.</li> </ul>	  	<p>Usuku olu- 1</p>

Iveki 4 Ukuqala ukufundisa amanani	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaşı ocwangcisiweyo okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kweshihlanu umsebenzi webathebatika ngeveki ( $\pm 5$ )	Isihloko	Abanqaku angcaciso	Abanqaku angcaciso
3.2 Izinto ezinokwakheka kuka 3-D	Ukuqonda/ ukunakana, ukuchongha nokuxela imilo ezinokwakheka kuka 3-D no 2-D eklasini nemifanekiso Ukwenza bakwazi ukwahluu phakathi kwezinto ezifotwe zankulu ngaphambili nezo zincinci ngasemva.	Isihloko	Abanqaku angcaciso	Abanqaku angcaciso
3.3 Imilo ezinokwakheka kuka 2-D	Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D Utishala ubeka izinto ezahlukeneyo ekalsini naphandle kwibala lokudlalela: Yenza abafundi: <ul style="list-style-type: none"><li>- Babonise izinto ezahlukeneyo eklassini umz izinto ezenziwe ngemithi, izinto ezbomvu, izinto ezenziwe ngeplastikhii njalo njalo</li><li>- Jonga izinto ezithile eklassini ngokomyalelo katitshala umz ibhola kwisikhongcozeli sebhloko ye L'ego, ithoyi yemoto esekhabhathinni, epensile esenkonkxeni njalo njalo..</li><li>- Jonga izinto ezifanayo umz amaqhoshha angqukuva kulawo ambhoxo, iqamza elibomvu phakathi kwalawo anemibal, njalo njalo.</li><li>- Hiela izinto ngokweentħobu zazo umz. ubungakanani, umbala, imvakalo okanye imilo.</li><li>- Dila undlalo, "Ndiyalonda ngameħlo am amancinci, into engqukuva....."</li><li>- Jonga izinto ezifanayo ngokomyalelo katitshala umz. intaka emthini, iribħoni esemthini, intiyat�ambo ezintle, imbovane iħamra emaqgħabin njalo njalo.</li><li>- Emakhaya abafundi mabakhthazwe ukuba bakhuphe amacephe/ iimela/ iifolokħwe</li></ul> <b>Ukusebenzisa imilo ezinokwakheka kuka 2-D/ imifanekiso</b> Bonisa abantwana umfanekiso ze ubabuze imibuzo ehambelana nomfanekiso. Umz: <ul style="list-style-type: none"><li>- "Iphethet ntoni intombi encinci esandleni sayo? ?</li><li>- "Bangaphi abantu abakħwele iinqanawé?</li><li>- Yakkha iiphazili ze udlale imifanekiso yedomino elunglel ukukhulisa ulwazi labafundi olkuchongha izinto phakathi kwezihni nokuqaphela iinkukkacha .</li></ul>	Isihloko	Abanqaku angcaciso	Abanqaku angcaciso

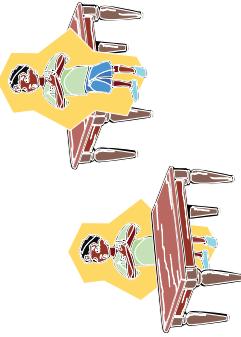
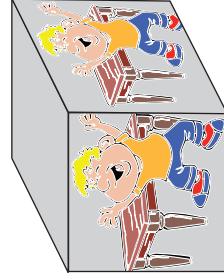


<b>Iveki 4</b> <b>Ukuqala ukufundisa amanani</b>	<b>Umyinge wexesha lokufundisa:</b> <b>Umsebenzi omnye weklaši ocwangcisiweyo okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kweshlanu umsebenzi webathebatika ngeveki (<math>\pm 5</math>)</b>	<b>Isihloko</b> <b>Abanqaku angcaciso</b>	<b>Isihloko</b> <b>Abanqaku angcaciso</b>
<b>3.2</b> <b>Izinto ezinokwakheka kuka 3-D</b>	<p><b>Ukuqonda/ ukunakana, ukuchonga nokuxela izinto ezinokwakheka kuka- 3-D ngokupphonononga imilo nobungakanani beebehokisi</b></p> <p><b>Ukfundua usebenzisa intsnukumo yomzimba</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Ukgugwencela ngaphakathi nangaphandle kwebhokisi.</li> <li>- Hola ibhokisi ngaphakathi ngokuthetha ngokuthi uxele ukuba yintoni engaphakathi. Umz. ibhokisi inomgangatho/ umphantsi, amacala amane/ amacala nesiciko.</li> <li>- Songa ibhokisi evuliveyo ukujonga imilo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Sebenzisa libhokisi ukwakha isakhwi umz. indlu, igaraji (kwenze xa usebenzisa ubuchule obubonwayo rgeebhokisi ezinobungakanani obungafanyo)</li> <li>- Nika abafundi izinto ezahlukeneyo ezifana namaqhosha, libhloko ezingangcitywanga, iziciko zeebhottile, iklipu zesonka zeplastikhi.</li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Hela izinto ngokwamaqela ohlobo olunye</li> <li>- Jonga umahluko phakathi kwezintto</li> <li>- Jonga ukuba ziziphi izinto ezisisikwere nezingqukuva</li> <li>- Hela izinto ezimbala mye</li> </ul>	 <p>lindidi zeebhokisi ezinkulu nezincinci (itriji engenanato neebhokisi zositovu)</p> 	 <p>Usuku olu- 1</p>

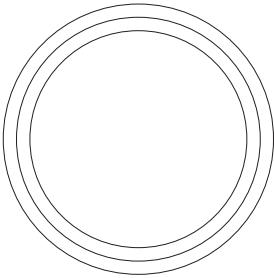
Iveki 4 Ukuqala ukufundisa amanani	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kweshlanu umsebenzi webathebatika ngeveki ( $\pm 5$ )	Isihloko	Abanqaku angcaciso	Abanqaku angcaciso
3.3 Izinto ezinokwakheka kuka 2-D	Ukuqonda/ ukunakana, ukkuchonga nokuxela izinto ezinemilo ezinokwakheka kuka- 2-D eklassini nemifanekiso.  <b>Ukufundisa unxantathu</b> Xa ufundisa unxantathu okokuqala izinto emazisetvensiswe mazifane ncakasana ngandilea zonke (ubungakanani obunye, umbala omnye, inkangeleko enye) Unxantathu umamacala amathathu angqalileyo. Loo nto ibizwa ngokuba ngunxantathu.  <b>Ukufunda usebenzisa intsnukumo yonzimba</b> Yenza abafundi: <ul style="list-style-type: none"><li>- Benza imilo ngemizimba yabo umz. abafundi benza unxantathu ngemizimba yabo.</li><li>- Benza unxantathu besebeenzisa iminwe yabo.</li><li>- Benza unxantathu besebeenzisa izicwili zoboya okanye udongwe.</li><li>- Hamba emdeni wemilo kanxantathu. Ngexesha uhamba thetha, ' ndihamba ecaleni lika nxantathu, icala, linye, marbini, mathathu, okanye inye, zimbini, zintathu ikona.</li><li>- Bamba imilo. Sebenzisa ubungakanani obukhulu bemilo okanye beka imilo eyahlukeneyo ebhegini. Umfundsi makabambe imilo esebhegini ze azidibaniše zibe yisethi yamakhadi, amakhadi amilo yenziwe kuzo).</li><li>- Zoba imilo engunxantathu emoyeni, phantsi/emgangathweni nge- (itshokhwe) nasephepheni.</li></ul>	Isihloko	Amakhadi emidalo akhumbuzza ngemilo Uboya okanye udongwe. "ibhegi" (ibhegi yelaphu ene-elastikhi emanta) enemilo yejiyometri.	Isihloko
Ukuchaza, ukuhlela nokuthtelekisa izinto ezinokwakheka kuka 3-D no- 2-D.	Ukusebenzisa izinto eziphattekeyo ezinokwakheka kuka 3-D Yenza abafundi: <ul style="list-style-type: none"><li>- Hlela imilo eLogi ngokwemilo (isangqa nonxantathu), ubungakanani (enkulu nencinci) kunye nombala (ibomvu, iqanda, ibhlowu)</li><li>- Khangela liimilo ezingoonxantathu eklassini nakokusinqongileyo.</li></ul>	Ukuchaza, ukuhlela nokuthtelekisa izinto ezinokwakheka kuka 3-D no- 2-D.	Iphepha i-A4 nekhrayoni Imilo ze-Logi (logi shapes) Izinto eklassini nakokusinqongileyo.	Abanqaku angcaciso

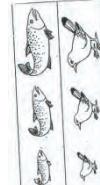
<b>Iveki 5</b> Umyinge wexesha lokufundisa: Umsebenzi omnye wekiasi ocwangcisiwego okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kwestihlanu umsebenzi webathebatika ngeveki ( $\pm 5$ )	<b>Ishloko</b> <b>1.1</b> <b>Ukubala izinto</b>	<b>Abanqaku angcaciso</b> <b>Chaza ze uchonge amanani apheleleyo</b> <b>Ukubethelela ulwazi olufumene kwiveki yesi -4 oluquka inani -1.</b> <b>Ngomlomo:</b> ukubala ngokucengceleza ukusuka kwisinye ukuya kwisihlanu. <b>Ukufunda usebenzisa intshukumo yomzimba</b> Yenza abafundi: <ul style="list-style-type: none"> <li>- Yenza izandi zomzimba umz ukuqhwaba izandla kanye.</li> <li>- Utitsuala uvezza/ ubonisua unotsheluza obonisa inani: inye ze abantwana baphakamise umnwe omnye, isandla esinye, ngyonyawo olunye njalo njalo.</li> </ul> <b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> Yenza abafundi: <ul style="list-style-type: none"> <li>- Fumana into ibeny eklasini</li> <li>- Bala isixhobo sokubala kanye.</li> </ul>	<b>Ishloko</b> <b>Isihloko</b> Inani lamaculo nezicengcelezo <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Umfanekiso we-nto enye</b> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>1</b> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>Inye</b> </div> </div>	<b>Abanqaku angcaciso</b> Usuku olu-1
<b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D/ imifanekiso</b> <ul style="list-style-type: none"> <li>- Tshatista liindidi zomfanekiso omnye, kune nonotsheluza omnye wedothi.</li> <li>- Tshatista liindidi zemifanekiso kune nonotsheluza wedotti nesimboli yenani elinye</li> <li>- Tshatista isimboli yenani nenani legama likanotsheluza.</li> <li>- Yenza iphazili yenani ze uyeke abantwana bazidibanise umz.</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>1</b> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>Inye</b> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>1</b> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>Inye</b> </div> </div>	<b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D/ imifanekiso</b> <ul style="list-style-type: none"> <li>- Tshatista liindidi zomfanekiso omnye, kune nonotsheluza omnye wedothi.</li> <li>- Tshatista liindidi zemifanekiso kune nonotsheluza wedotti nesimboli yenani elinye</li> <li>- Tshatista isimboli yenani nenani legama likanotsheluza.</li> <li>- Yenza iphazili yenani ze uyeke abantwana bazidibanise umz.</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>1</b> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>Inye</b> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>1</b> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;"> <b>Inye</b> </div> </div>			

<b>Iveki 5</b>	<b>Umyinge wexesha lokufundisa: Umsebenzi omnye weklaši očwangcisiwego okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kwestianu umsebenzi webathebatika ngeverki (<math>\pm 5</math>)</b>	<b>Ishloko</b>	<b>Abanqaku angcaciso</b>	<b>Ishloko</b>	<b>Abanqaku angcaciso</b>
<b>3.4</b>	<b>Ulingano -macala</b>	<b>Ukomeleza/ukuqinisa ukuba umzimba omnye unamcala amabini umz icala elinye, elinye icala, ukuya ekholio nasekunene</b>	<b>Ukufunda usebenzisa intshukumo yomzimba</b>	<b>Utishala ucacisa ngamacala amabini omzimba omnye.</b>	<b>Isihlukuhi senziwa ekhaya – isikhongozelii nesicko, sizalliswe ngamatye.</b>
		<b>Yenza abafundi</b>	<b>- Yima ngomlenze omnye ze uphinde ume ngomnye. - Hamba ngesingqi usebenzisa isinqi sesihlukuhi ukuya kwicala elinye leklaši. Xa isihlukuhi siyekile abantwana mabayekwelye icala leklaši.</b>	<b>ibhinbhagi yomntwana ngamnye</b>	<b>ibhinbhagi yomntwana ngamnye</b>
		<b>Ukusebenzisa izinto eziphathakeko ezinokwakheka kuka 3-D</b>	<b>Umfundi ngamnye unikwe ibhin bhegi(ibhinbhagi) Yenza abafundi</b>	<b>- Beka ibhinbhagi phantsi ecaleni kwabo. - Beka ibhinbhagi iiznwane nezandia njalo njalo.</b>	<b>“ingxowa yokuphampatha” (ibhegi eyenzive ngeiaplu enoplastiki emantia) Ngaphakathi ebhegini kukho: libhola ezhnesayizi ezahlukeneyo,amaqam, iinkonkxa zesiselo ezingenanto, iiilinda, imilo yeplastikhi okanye imilo yesiciko sebhottile seplastikhi.</b>
<b>3.2</b>	<b>Izinto ezinokwakheka kuka 3-D</b>	<b>Ukuqonda, ukuchonga ze uxelie izinto ezinokwakheka kuka 3-D</b>	<b>Ukufundisa nokupphonononga izinto eziqengqeletekayo</b>	<b>- Xoxa ngobungqukuva bezinto. Faka izinto ezingqukuva zibe ninzi ebhegini (ibhegi yelaphu). Abafundi bathatha izinto ebhegini baze bachaze ubungqukuva bazo. - Abafundi babonisa ukuba izinto ezaħlukeneyo ziqengqeleka njanu ukuhla zinyuka etafileni nezitena ezbini.</b>	<b>Usuku olunye</b>

<b>Iveki 5</b> <b>Indawo-bume, ukufumana indawo, nembonakalo</b>	<p><b>Umyinge wexesha lokufundisa:</b>  <b>Umsebenzi omnye weklaši očwangcisiwego okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kweshihlanu umsebenzi webathebatika ngeverki (<math>\pm 5</math>)</b></p>	<p><b>Abanqaku angcaciso</b></p>	<p><b>Isihloko</b></p>	<p><b>Abanqaku angcaciso</b></p>
<p><b>3.1</b></p> <p><b>Indawo-bume, ukufumana indawo, nembonakalo</b></p>	<p><b>Indawo-bume yezinto ezimbini okanye ezinizi ngokunxulumene nomfundicChaza izinto enye enokwakheka kuka 3-D ngokunxulumene nenyé</b></p> <ul style="list-style-type: none"> <li>- Ngaphambili / ngasemva</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Utitsihala ukhetha abafundi ababini nescengcelezo esibalayo:</p> <ul style="list-style-type: none"> <li>- Beka izitulo ezibini ngaphambili eklasini.</li> <li>- Abantwana ababini babonisa ngalo mba ngaphambili nangasemva ngokwemiyalelo katitshala. Umz</li> <li>o Sipho yima ngaphambili kwestitulo</li> <li>o Carl yima emva kesitulo</li> </ul> <ul style="list-style-type: none"> <li>- Xa sele iphumelele utitsihala uphakamisa unotsheluza ze abafundi babonakalise isenzo besebeenzisa izitulo zabo.</li> <li>o "oku kungabonakaliswa kwakhona ngokusebenzisa abantwana abathathu.</li> <li>- Amy uma emva kuka Sipho, ze uCarl ame ngaphambili kuka Amy.</li> </ul> <ul style="list-style-type: none"> <li>- Utitsihala unika abafundi idayisi elikhulu elinemifanekiso eyahlukileyo ebonisa "umphambili nomva" ubhale emacaleni umz yima ngaphambili komnye onenwele ezinde, yima ngasemva kwalo mntu unxibe ibhulukhwe; hala phambi komnye njalo njalo.</li> <li>- Yenza badlale umdlalo bengamaqela bephoselana ngedayisi ze benze ude uye kuphela.</li> </ul>	<p>Oonotsheluza ababonisa isenzo eso ngaphambili nangasemva</p>  	<p>Iztitulo Abafundi</p>	<p>Usuku olu- 1</p>

<b>Iveki 5</b>	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaši ocwangcisiwego okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kwesthanu umsebenzi webathebatika ngeverki ( $\pm 5$ )	<b>Ishloko</b>	<b>Abanqaku angcaciso</b>	<b>Ishloko</b>	<b>Abanqaku angcaciso</b>
<b>3.2</b> <b>Izinto ezinokwakhaka kuka-3-D</b>	<p>Thelekisa ukuba ziziphi izinto ezimbini ozinikiweyo ezi:</p> <p>nkulu kunenye ze ibe ncinci kunenye</p> <ul style="list-style-type: none"> <li>Ukubethelela ingqiqo - inkulu (inkuwana)kunenye ze ibe ncinci kunenye (incinanana)</li> </ul> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>Benza imizimba yabo ibe mikhulu ngokutweza iingalo zabo ngaphezu kweentoko zabo.</li> <li>Benza imizimba yabo ibe mincinane ngokugoba ze baziqothe.</li> <li>Xeta ukuba ingaba injia inkulu na kunempuku.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Sebenzisa rhoq ubuncinane izinto ezimbini xa uthelekisa.</p> <ul style="list-style-type: none"> <li>Thelkisa ubungakanani obahlukeneyo bebbhloko efanayo umz iibholo, amaqhosha, itafili, iipleyiti, izitulo njalo njalo ukufumana ukuba yeypipi into enkulu/incinci, enkuldwana/ encinanana, enkulu kakhulu/ncinci kakhulu.”</li> <li>Yaba izakhiwo ngeeblehloko ze abafundi bathelekise ezo zakhiwo zikhulu kakhulu nezo zincinci kakhulu.</li> </ul> <p><b>Ukusebenzisa iimilo enzinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Thelkisa imifanekiso ebonisa izinto ezinkulu nezinkudlwana nezincinanana.</li> <li>Sebenzisa ukuqonda ubukhulu / nobuncinci kubugcisa boyilo.</li> </ul>	Umfanekiso wempuku nowenja (qiniseka ukuba umfanekiso wenja mkhulu kunofanekiso wekati)	Umfanekiso wempuku nowenja (qiniseka ukuba umfanekiso wenja mkhulu kunofanekiso wekati)	Usuku olu-1	Usuku olu-1

<b>Iveki 5</b> <b>Umyinge wexesha lokufundisa:</b> <b>Umsebenzi omnye weklaşı oçwangcisiwəyo okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku (<math>\pm 30</math>), imizuzu engakho ngaphantsi kwesthanu umsebenzi webathebatika ngeverki (<math>\pm 5</math>)</b>	<b>Ishloko</b> <b>3.2 Izinto ezinokwakhaka kuka-3-D</b>	<p><b>Thelekisa ukuba kwezi zinto zimbini uzinikiwəyo yeyiphi:</b></p> <ul style="list-style-type: none"> <li>- Enkulu nencinci</li> <li>- Enkulu kunenye nencinci kunenye</li> <li>- Enkulu kakhulu ze ibe ncinci kakhulu</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Utishala uzoba isangqa esantini, phantsi.</p> <ul style="list-style-type: none"> <li>- Abafundi bahamba emdeni wesangqa.</li> </ul> <p>Utishala uzoba isangqa esikhulu kunesinye kumphandle kwesangqa</p> <ul style="list-style-type: none"> <li>- Abafundi bahamba emdeni wesangqa esikhulu kunesinye.</li> <li>- Utishala ubuza imibuzo enje ngale:</li> </ul> <ul style="list-style-type: none"> <li>o “Sesiphi isangqa esincinci kakhulu?”</li> <li>o “Sesiphi isangqa esikhulu kakhulu?”</li> <li>o “Hamba kwisangqa esincinci”</li> <li>o “Hamba kwisangqa esikhulu”</li> </ul> <p>Utishala uzoba isangqa esikhulu kakhulu ngaphandle kwesangqa.</p> <ul style="list-style-type: none"> <li>- Abafundi bahamba emdeni wesangqa esikhulu kakhulu, kananjaloo</li> <li>- Utishala ubuza imibuzo enje ngokuthi:</li> </ul> <ul style="list-style-type: none"> <li>o Sesiphi isangqa esikhulu kakhulu?</li> <li>o “Sesiphi isangqa esincinci kakhulu?”</li> </ul>	<b>Abanqaku angcaciso</b> 	<b>Ishloko</b> <b>Abanqaku angcaciso</b>
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Iveki 5	Umyinge wexesha lokufundisa: Umsebenzi omnye weklaši očwangcisiwego okhokhelwa ngutitshala imizuzu engekho ngaphantsi kwabashumi abathathu ngosuku ( $\pm 30$ ), imizuzu engakho ngaphantsi kwestianu umsebenzi webathebatika ngeverki ( $\pm 5$ )	Ishloko	Abanqaku angcaciso	Abanqaku angcaciso
3.2 <b>Izinto ezinokwakhaka kuka-3-D</b>	<b>Ukusebenzisa izinto eziphathekayo esinokwakhaka kuka 3-D</b> Abafundi bahlela ze battelekise izinto ezinobungakanani obahlukeneyo umz (inkulu kakhulu, incinci kakhlulu) umz. <ul style="list-style-type: none"> <li>- Isiciko esikhulu ukusuka kwesincinci.</li> <li>- Amacephe ukusuka kwamancinci</li> <li>- libhokisi ezinkulu ukusuka kwezincinci</li> </ul> <p>Lo msebenzi ungdululiselwa kwimidlalo yangaphandle (umndlalo wesanti nomndlalo wamanzi) apho abafundi Bangathelekisa izinto ze batthele okokuba yeyiphi encinci kuneny/enkulu kuneny, enkulu nencinci Oku kunganxulunyaniswa nobugcisa bokubonwayo – mabenze umfanekiso owenziwe ngamaphepha besebenzisa izinto ezinkulu nezincinci.</p> <p><b>Ukusebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Badlale imidlalo yamakhadi ze bachonge imifanekiso emincinci/ emikhulu/ emikhulu kakhulu.</li> <li>- Buza imibuzo enje: “Yeyiphi intianzi yokuqala okanye yeyiphi intianzi yokugqibela?”</li> </ul>		 	<p>libhloko zokwakha neebhola zobungakanani obahlukeneyo. Amaqhosha, amacephe, libhokisi zamayerza, libhokisi zezhlangu, amakhathoni obisi angenantio, libhotile zamayerza ezingenantio, njalo njalo</p> <p>Gqithela koonorumba ukuze abafundi bakhumbule ukuba imifanekiso imele amagama. Akunyanzelekanga ukuba abafundi mabafunde oonobumba.</p>

<b>Iveki 6</b>	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)		
<b>Ishloko</b>	<b>1.1</b> <b>Bala izinto</b>	<b>Qikelela uze ubale izinto zemihla ngokuzithembia.</b> <b>Ukubala kwemihla ngemihla</b> <ul style="list-style-type: none"> <li>- Ngomlomo: Ukubala ngokucengceleza ukusuka kwisi-1 ukuya kwisi-5.</li> <li>- Cula iingoma nezicengcelezo zamanani.</li> </ul>	<b>Ixesha elithelekelelwayo</b> Ixihobo eznokusetyenziswa Rhooq ngosuku.
<b>2.1</b> <b>lipateni zejiyometri</b>	<b>Ukukopa nokwandisa iipateni usebenzisa ipateni yokubetha amalungu omzimba</b> <b>Ukurfunda usebenzisa intsnukumo yomzimba:</b> <ul style="list-style-type: none"> <li>- Utishala ubonisa negepateni yokubetha amalungu omzimba kwaye abafundi kufuneka bakope ipateni, umzekelo, qhwaba qhwaba, ngxishi; qhwaba qhwaba, ngxishi;.....njalo njalo.....</li> </ul> <b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D:</b> Kopa ipateni enezinto, umzekelo: <ul style="list-style-type: none"> <li>- Ukuſebenzissa iindidi ezaſhlukeneyo zamaggabi.</li> <li>- Ukuſebenzissa iimilo, umzekelo, isangqa, isangqa, unxantathu, isangqa,</li> <li>- Ukuſebenzissa izinto, umzekelo, iphegi ebomvu, iphegi ebblowu, iphegi etyheli, iphegi ebomvu,.....</li> </ul>	<b>Ixesha eznokusetyenziswa</b> Ixihobo eznokusetyenziswa Usuku olu-1.  	
	<b>Ukusebenzisa imifanekiso /iimilo eznokwakheka kuka 2-D.</b>	<b>Yalela abafundi:</b> <ul style="list-style-type: none"> <li>- Ukyilia iipateni zabo ngamakhadi anemifanekiso, umzekelo, iintyatyambo, igqabi, igqabi, intyatyambo.....</li> <li>- Ukyilia iipateni zabo ngamakhadi anemibala, umzekelo, ubomvu, ubhlowu, ubomvu, ubomvu.....</li> <li>- Ngeshesha lobugcisa boyilo yalela abafundi bashicilele iipateni basebenzise imisiko yeemilo.</li> </ul>	Nika abafundi amakhadi anemifanekiso. Amakhadi amibala-bala. Utishala umokusika iimilo kwisponji.

<b>Iveki 6</b>	<b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</b>	<b>Ixesha elithelkelelewayo</b>
<b>Ishloko</b>	<b>Qaphela, chonga uze uthye isikwere. Fundisa ngesikwere.</b>  Xa ufundisa ngesikwere okokuqala, izinto eziseteyenzisiveyo mazifane twatse (ngobungakanani, ngombala nemvakao/noburhabaxa). Isikwre sinamacala amane. Oku kubizwa ngokuba sisikwre.  <b>Ukufunda usebenzisa intsnukumo yomzimba:</b>	<b>Izixhobo eznokusetyenziswa</b>  Usuku olu-1.  Abafundi. Intambo.
<b>3.3</b> <b>Izinto ezinokwakheka kuka 2-D</b>	<b>Amanqaku angangcaciso</b>  <b>Qaphela, chonga uze uthye isikwere.</b>  <b>Fundisa ngesikwere.</b>  Xa ufundisa ngesikwere okokuqala, izinto eziseteyenzisiveyo mazifane twatse (ngobungakanani, ngombala nemvakao/noburhabaxa). Isikwre sinamacala amane. Oku kubizwa ngokuba sisikwre.  <b>Ukufunda usebenzisa intsnukumo yomzimba:</b> <ul style="list-style-type: none"> <li>- Iklasi yonke ima ibe sisikwre.</li> <li>- Yalela abafundi beseso sikkwere basenzzileyo ngentambo bahambe kwikhaphethi besithi, “Ndihamba kwisikwre – kwicala elinye, kumacala amabini, amacala amathathu, amacala amane – onke amacala ayafana?”</li> <li>- Yalela amaqela abafundi benze izikwre ezincinane.</li> </ul> <b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D:</b> <ul style="list-style-type: none"> <li>- Utitsuala ubonisa umahluko phakathi kwasangqa nesikwre ngokuphakamissa isiciko senkonkxa nethayile esisikwre.</li> <li>- Isiciko singqukuva ize ithayile ibe neencam neekona.</li> </ul> <b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b> <ul style="list-style-type: none"> <li>- Utitsuala uzoba erhangqe isiciko nethayile.</li> <li>- Isiciko simelei isangqa nethayile imele isikwre.</li> <li>- Yalela abafundi bathreyise berhangqe isiciko nethayile besebenzisa iikhrayoni.</li> </ul>	<b>Izixhobo eznokusetyenziswa</b>  Usuku olu-1.  Abafundi. Intambo.  Isiciko senkonkxa. Ithayile esisikwre. Lindidi ezahlukeneyo zeziciko nezinto ezimile ngokwesiikwre. Amaphepha okubhalela. Iikhrayoni.
<b>3.2</b> <b>Izinto ezinokwakheka kuka 3-D</b>	<b>Hlela izinto ezinokwakheka kuka 3-D kunye neemilo enokwakheka kuka 2-D okanye imifanekiso</b>  Yahlulahula abafundi babe ngamaqela. Yalela abafundi: <ul style="list-style-type: none"> <li>- Hlela lindidi neeendidi zezinto ezinokwakheka kuka -3-D no2-D ezinkwre ngutitshala ngobungakanani nebala.</li> <li>- Bakhumbuze neemilo ngokubadllalisa imidalo namakhadi emidalo ngexesha lokudiala ngaphakathi.</li> </ul> <b>Qaphela, khetha uze uxele • izinto ezinokwakheka kuka 3-D ezitshebelezayo</b>  Fundisa ngezinto ezitshebelezayo. <ul style="list-style-type: none"> <li>- Nikra abafundi lindidi ezahlukeneyo zezinto ezahlukeneyo ezinokwakheka kuka 3-D kunye no -2-D njengueebhloko, libhokisi, libhola, njalo njalo.</li> <li>- Yalela abafundi balinganise ngokudala ngokubonisa ukuba ziziphi izinto ezitsibilizayo nokuba ziziphi eziqengqelekayo.</li> </ul>	<b>Ixesha elithelkelelewayo</b>  Usuku olu-1.  Iibhloko. libhola. libhokisi. Ilsilayidi / ittheyibhile eneebhloko.

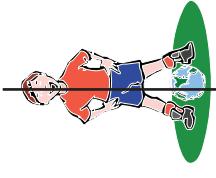
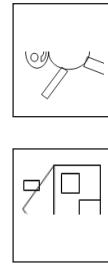
Iveki 6	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutišhala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithelekelelwayo
Ishloko	Amanqaku angangcaciso	Iixhobo eznokusetyenziswa
	<ul style="list-style-type: none"> <li>- Abafundi banokusebenzisa isitshebeleži kwindawo yokudlala okanye uitishala unokusebenzisa itafile ukwenza indawo ehlayo ngokubeka iibhloko ezi-2 ngaphantsi kwazo.</li> <li>- Ingaba zikho ezinje izinto ezitsibilika ngokunyukayo?</li> <li>- Zizphi izinto ezitsibilikelka ngasezantsi?</li> <li>- Kutheni ezi zinto zikwazi ukutshibiliči?</li> </ul>	
3-1 Indawo-bume, ukufumana indawo nembonakalo	<p><b>Chaza izinto eznokwakhēka kuka 3-D ngokumxulumene neny</b></p> <ul style="list-style-type: none"> <li>• Fundisa la magama: ngaphakathi / ngaphantsi, ngasezantsi / ngaphezulu.</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba:</b></p> <ul style="list-style-type: none"> <li>- Umfundu ngamnye uhlala esitulwesi sakhe.</li> <li>- Abafundi bamamela imiyalelo katitshala baze balandele eli xa imisebenzi eyenziwayo, umzekelo, hla la phantsi kwestitulo.</li> <li>- Chopha phezu kwesitulo. Hlala phantsi kwetafile.</li> <li>- Beka izandla zakho phantsi kweenyawo.</li> <li>- Beka ibhinbhagi phantsi kwekhwapha.</li> <li>- Chopha phezu kwebhinbhegi.</li> <li>- Beka ihupu phantsi kwamadolo akho.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakhēka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Yalela abafundi ababini babambe intambo yokutsiba baze abanye bekiasi barhubuluze phantsi kwentambo.</li> <li>- Khangela into phantsi kwekhaphethi / kwetafile / ibhokisi njalo njalo.</li> </ul> <p><b>Sebenzisa iimilo eznokwakhēka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Utishala unika abafundi iindidi zemifanekiso engamaga angala: ngaphantsi, ngaphakathi nangaphezulu abonisiewyo, umzekelo, umtu okhwele ihashe, usana olulele phantsi kwengubo, njalo njalo.</li> </ul> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Chonga amagama angala: ngaphantsi, ngaphezulu, nangaphakathi emifanekisweni.</li> </ul>	<p>Ixesha olu-1</p>  <p>Istituto somfundii ngamnye ngaphezuzu kwetafile.</p>  <p>ngaphantsi / ngasezantsi</p>

<b>Iveki 6</b>	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	<b>Ixesha elithelkelekelewayo</b>
<b>Isihloko Ixesha</b>	<p><b>4.1</b></p> <p><b>Chaza ixesha losuku ngokosuku nobusuku / ukukhanya nobumnyama.</b></p> <ul style="list-style-type: none"> <li><b>Fundisa ngamagama angala:</b> “usuku / ubusuku”, “ukukhanya / ubumnyama”.</li> </ul> <p>Nxulumanisa oku nezihloko zolwazi olusisiSeko kwIZakhono zoBomi.</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba:</b></p> <ul style="list-style-type: none"> <li>Ziqhelanise nobumnyama ngokuhlala phantsi kwetafile neztulo ezoqqunye ngengubo.</li> <li>Yenza mnyama iklaši ngokuvala imikhusane nokucima izibane.</li> <li>Abafundi batthetha ngamava abo kumnyama eklassini naxa kukhanya.</li> <li>Khupha ithotshi ukhanyise phantsi kwengubo.</li> <li>Thetha ngemisebenzi eyenzekayo ebusuku nasemini.</li> </ul> <p><b>Sebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>Utitshala wenza iphowusta yelanga nenyanga aze akhuphe imifanekiso ebonisa okwenzekayo ngexeshalasemini nasebusuku.</li> <li>Abafundi mababeke imifanekiso phantsi kwetlanga kune / okanye kwenyanga.</li> </ul>  	<p><b>Izixhobo eznokusetyenziswa</b></p> <p>Izitulo neengubo. Ithotshi.</p> <p>Ipowusta yemini nobusuku. Imifanekiso engemisebenzi yexesha lasemini nexesha lasebusuku.</p>

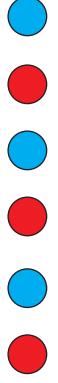
<b>Iveki 7</b> <b>Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi weklasi omnye ofundiswa ngutitsihala (isangqa) wemizuzu engama-± 30 ngesuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b>	<b>Ishloko</b> <b>Izinto ezinokwakheka kuka 2-D</b>	<b>Amanqaku angangcaciso</b>  <ul style="list-style-type: none"> <li>Nakana, Khetha uze uxele iimilo ezinokwakheka kuka 2-D eklassini</li> <li>Fundisa ngeephazili uze unike isikhokelo ngendlela yokuzenza.</li> </ul> <ul style="list-style-type: none"> <li>Xoxa ngeephazili yemifanekiso unike ingqwalasela eyodwa kumbala, abantu / izihiwanyana, izinto, indawo yokuma kwabantu / kwezialwanyana nezinto.</li> <li>Ukwalatha, ukugaphela nokutshatisa iindidi ezahlukeneyo zezhcwl zeephazili, umzekelo <ul style="list-style-type: none"> <li>izicwili zeekona.</li> <li>izicwili ezinecalia elinye elingqalileyo.</li> </ul> </li> </ul>	<b>Izixhobo ezinokusetyenziswa</b>  lindidi zeephazili – ubuncinane izicwili ezi-6.  Usuku olu-1
		<p><b>Uyakha njani ipazili</b></p> <ul style="list-style-type: none"> <li>Pakisha zonke izicwili zeepazili ngokuzijongisa phezulu</li> <li>Chonga ilkona zezcwili zeepazili uze utshatise umbala, into njil-njil nazo ngeekona zepazili</li> <li>Yakha isakhelo esinekona ezi-4 usebenzisa zonke izicwili ezinecalia elinye</li> <li>Ukuba umfundsi uyasokola unokwakha ipazili phezu komfanekiso abawunkiweyo</li> <li>Zonke iipazili kufuneka zigqityiwe phambi kokuba uzipakishe</li> </ul>	

Iveki 7	Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi weklasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)	Ixesha lithlelekelelwayo
Ishloko	<p><b>3.1 Indawo-bume, uku fumana indawo nembonakalo</b></p> <p><b>Chaza into enye enokwakhaka kuka 3-D ngokunxulumene nomfundi.</b></p> <ul style="list-style-type: none"> <li>- ngaphakathi / ngaphandle</li> <li>• Indawo ezimi kuyo izinto ezimbini okanye ngaphezulu ngokunxulumene nomfundi.</li> <li>- ngaphakathi / ngaphandle</li> </ul> <p><b>Ukufunda usebenzisa intsnukumo yomzimba:</b></p> <ul style="list-style-type: none"> <li>- Utitshalo usebenzisa iteyiphu yephepha okanye intambo yokutsiba ukwenza imigca emibini emgangathweni.</li> <li>- Abafundi bema bonke kwicala elinye aze utitshalo akhwaze, “emlanjeni (Bonke abafundi kufuneka batsibe phakathi kwemigca emibini, baze bakhwaze “ngaphandle komlambo.” Abafundi mabatsibele bonke kwicala ngalinye lemigca emibini.</li> <li>- Abafundi aBangawulaneliyo umyalelo ngokuchanekleyo bayaphuma kwaye abaqhubeki nokudiala.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Beme qelele kancinane nebhaskithi / ibhakethi.</li> <li>- Baphose ibhinbhegi (<i>bhinbhegi</i>) ebhaskithini.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Abafundi bazzoba umfanekiso obonisa ngongaphakathi nongaphandle.</li> </ul>	<p>Izixhobo ezinokusetyenziswa</p> <p>Usuku olu-1</p>

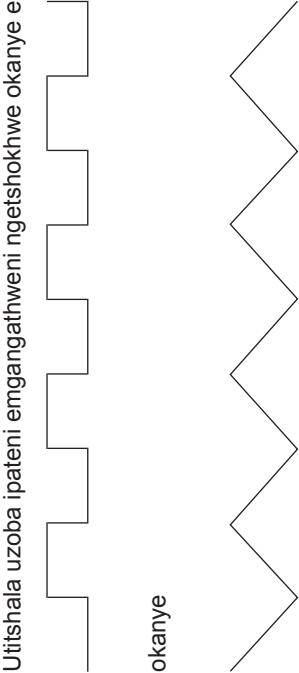
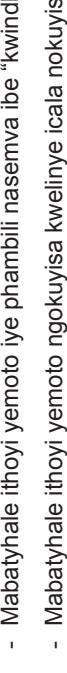
<p><b>Iveki 7</b></p> <p>Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi weklasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama± 30 ngesuku (imisebenzi yeMathematika emi± 5 ngeveki)</p>	<p><b>Ishloko</b></p> <p><b>3.1 Indawo-bume, ukufumana indawo kune nembonakalo</b></p>	<p><b>Amanqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li>Indawo ezime kuyo izinto ezimbini okanye ngaphezulu ngokunxulumene nomfundi.</li> </ul> <p><b>Ngaphezulu / ngaphakathi / ngaphantsi</b></p> <p>Ukfunda usebenzisa intshukumo yomzimba: Yalela abafundi balandele imiyalelo:</p> <ul style="list-style-type: none"> <li>Beka ibhloko ebomvu ngaphezulu kwentloko yomhlobo wakho.</li> <li>Beka ibhloko etyhelni ngaphantsi / ngasezantsi kwetafile.</li> <li>Thwala ibhloko entloko uze ukhwelle etafileni.</li> <li>Rhubuluza phantsi kwetafile uvale amehlo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Pakisha oonxantathu ngaphezu kwabanye.</li> <li>Pakisha izikwre ezibhiowu ngaphezu kwezirye.</li> <li>Beka isangqa esibomvu ngaphantsi kwesikwere esitheli.</li> <li>Beka isangqa esitheli nonxantathu obomvu ngaphantsi / ngasezantsi kwesikwere esibhiowu.</li> </ul> <p><b>Ukusebenzisa izinto ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>Utitsala wenza amakhadi anemifanekiso kunye namakhadi aneemilo.</li> <li>Abafundi mababeke iimilo ngaphezu / ngaphantsi / ngasezantsi komfanekiso ngokuyalelwa ngutitshala.</li> </ul> <p>Umzekelo, beka isikwre esibhiowu ngaphezu kwebbhaskithi yeziqhamo.</p>	<p><b>Izixhobo ezinokusetyenziswa</b></p> <p>Usuku olu-1.</p>	<p><b>Ixesha elithelekelelwayo</b></p>
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<b>Iveki 7</b> <b>Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi weklasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b>	<b>Ixesha elithtelekelelwayo</b>  <b>Izesha elithtelekelelwayo</b>
<p><b>Ishloko</b></p> <p><b>3.1 Ulingano-macala</b></p> <ul style="list-style-type: none"> <li><b>Bethelela kulwazi ngamacala alinganayo omzimba wakhe.</b></li> </ul> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Baxela amalungu emizimba yabo.</li> <li>- Mabacule nayiphi ingoma malunga nomzimba.</li> </ul> <p>Utitshala ubonisaa abafundi ulingano macala (isimetri) ngokuxhoma intambo phambi komfundi.</p> <ul style="list-style-type: none"> <li>- Abafundi kufanele bazi ukuba imizimba yabo yahluwe yangamacala amabini.</li> </ul> <p>Intambo yokubonisa. Imizimba yabafundi.</p>  <p>Utitshala ucacisa ngendelia umzimba cwahluluwe ngayo ube ngamacala amabini kuze kubekho umgca ophakathi.</p> <ul style="list-style-type: none"> <li>- Yonke into anayo umntu inezinto ezimbini kumacala amabini omzimba, umzekelo, amehlo, iindlebe, iingalo, imilenze, njalo njalo.</li> <li>- Yonke into anayo umntu inento enye ebekwe kumgea ophakathi, umzekelo, impumlo, umlomo, umbhono.</li> </ul> <p>Ukuqhuba nokufundisa ngolinguano-macala (ngesimetri), yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Matsha, uphakamise amaddolo phezulu.</li> <li>- Matsha 'okwejoni elomeleleyo lenkonkxa.'</li> <li>- Nqumleza iingalo, nqumleza imilenze elixa umatshayo.</li> </ul> <p><b>Ukusebenzia iimilo ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Zoba imifanekiso engaggibelelanga ephephni uze uyatele abafundi bagqibeezele umfanekiso.</li> </ul>	<p><b>Izixhobo ezinokusetyenziswa</b></p> <p>Usuku olu-1.</p> <p>Ingoma: Intioko namagxa, sifuba nesinqe, madolo nenzwane."</p> <p>Intambo yokubonisa. Imizimba yabafundi.</p>  <p>Imifanekiso engaggitywanga.</p> 

Iveki 7	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama± 30 ngosuku (imisebenzi yeMathematika emi± 5 ngeveki)	Ixesha elithtelekeliwayo
3.1 <b>Ishloko Indawo- bum,ukufumana indawo nembonakalo</b>	<p><b>Amanqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li>lindawo ezimi kuyo izinto ezimbini okanye ngaphezulu ngokunxulumene nomfundi.</li> <li>- Phezulu nangasezantsi.</li> </ul> <p><b>Ukfundura usebenzisa intsnukumo yomzimba:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Babonise ngamagama “phezulu” “phantasi” ngokushukumisa imizimba yabo iye phantsi naphantsi ngokomyalelo katishala.</li> <li>- Bakhwela kwizitephsi ezbini eli xa ubala inani lazo.</li> <li>- Mabehle kwizitephsi ezbini bebala.</li> <li>- Bakhwela “phezulu” “phantasi” kwisixhobo sokukhwela esiphandle.</li> <li>- Bakhwela “phezulu” “phantasi” kwintambo yokukhwela ileli xa isikolo sinayo.</li> <li>- Bajonga phezulu naphantsi.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Utitsala unika abafundi iindidi ezahlukeneyo zemifanekiso malunga nophezulu nophantsi njengoko kubonisive, umzekelo, umntu ukhwela phezulu entaben, ibhaloni yomoya iya phezulu emoyeni izé ihle iye ezantsi, umntu uhla kwizitephsi, njalo njalo.</li> </ul> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>o Balathe uphezulu naphantsi kwimifanekiso.</li> </ul>	<p>Izixhobo ezinokusetyenziswa</p> <p>Cula ingoma.</p>  <p>Usuku olu-1.</p>

Iveki 8	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithelkelekelewayo
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa
3.4	<ul style="list-style-type: none"> <li>Ukunqumla umgca ophakathi oqukwé ekubalení.</li> </ul> <p>Ukfunda usebenzisa intsnukumo yomzimba:</p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Bayadanisa baze baxhume ngokwesinqisho elixa bebalá.</li> <li>Bamise bajongane baze bamane benqamleza beqhwaba (ngasekhohlo kubafundi abasekhohlo) becula ingoma engamanani / isingqisho.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakhaka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Baphosela ugxa wabo ibhola xa bebalá.</li> <li>Bahamba kwintambo egosogoso becula ingoma, umzekelo, "Indlovu enye encinane encikeleleyo."</li> <li>Bakhabelana ibhola.</li> </ul> <p>Umsebenzi ongasentia unokunxulunyaniswa neZakhono zoBomi.</p>	<p>Usuku olu-1.</p> <p>Abafundi. lingoma nezicengcelezо zamananı.</p> 
Ulingano - macala	<ul style="list-style-type: none"> <li>Wenza iipateni zakhe.</li> </ul> <p>Ukfunda usebenzisa intsnukumo yomzimba:</p> <p>Yalela abafundi bayile ipateni besebenzisa:</p> <ul style="list-style-type: none"> <li>Imizimba yabo, umzekelo, intombazana enye enelokhwe, amakhwenkwe amabini aneebhulukhwe.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakhaka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>Usebenzisa iimilo ezbomvu nezibhlowu, umzekelo, izikwere ezbibhlowu ezi-2, oonxantathu ababomvu aba-2, izikwere ezbibhlowu ezi-2.....</li> <li>Sebenzisa ipateni kwimisebenzi yobugcisa ngokusebenzisa ipeyinti ebomvu nebhlowu enezirkiko zebhotile.</li> </ul> <p><b>Sebenzisa iimilo eznokwakhaka kuka 2-D usebenzisa imibala ephambili.</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Basebenzise oobhontsi ukushicileta umbala ngepeyinti, umzekelo, luhlaza, orenji, luhlaza ..... kunye nencam yamaphepha. (<b>Umsebenzi unokwenzıwa ngobuGcisa obubonwayo</b>).</li> </ul>	<p>Usuku olu-1.</p> <p>limilo zeplastikhi eziBomvu nezibhlowu.</p>  <p>Usebenzisa iziciko zeebhottile nepeyinti ebomvu nebhlowu.</p>  <p>ebomvu luhlaza bomvu luhlaza bomvu luhlaza</p> <p>U-A4 Paper. Ipeyinti eluhlaza ne-orenji okanye nayiphi eminye imibala onayo.</p>

<b>Iveki 8</b>	<b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</b>		
<b>Ishloko</b>	<b>Amanqaku angangcaciso</b>	<b>Izixhobo eznokusetyenziswa</b>	<b>Ixesha elithelekelelwayo</b>
<b>3.2</b> <b>Izinto ezinokwakheka kuka 3-D:</b>	<p><b>Qaphela, khetha uze uxele izinto eznokwakheka kuka 3-D.</b></p> <ul style="list-style-type: none"> <li><b>Bethelela kwizinto eziqengqeleyao.</b></li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Badlala ngeeħħottie zeplastikhi, iinkonxa, iibħola, i-orenji, njal oħra baze baqwalasei okwenżekkayò xa beziqeqqa.</li> </ul> <p>Utishala uyabuza:</p> <ul style="list-style-type: none"> <li>- Ziphi iibħloko kwikona yeebħloko eznokuqengqeleya?</li> <li>- Iibħloko azikwazi kuqengqeleya kuba zinamacala amathandathu angqallieyo kupheta.</li> <li>- Qengqa izinto ezaħlukeneyo uze ubone ukuba yeyiphi enokuqengqeleya ikwa yeyiphi engakwazi.</li> <li>- Abafundi kufanele bazi ukuba izinto ezingqukuva zinokuqengqeleya.</li> </ul>	<p>libħotile zeplastikhi.</p> <p>libħloko. libħloko zeLeggo.</p> <p>linkonxa, ilkomity zeplastikhi, iingqukumba zamaphepha angasese, amakħandla, i-oreni, iibħola, njal oħra.</p>	<p>Usuku olu-1.</p>
<b>3.1</b> <b>Indawo-bume, ukufumana indawo nembonakalo</b>	<p><b>Phuhlisu ulwazi ngezalathiso ngokufundisa amagama okwalatha “ngaphambili / ngasemva”, “umphambili / umva”.</b></p> <p><b>Ukfundu usebenzisa intsnukumo yomzimba:</b></p> <p>Yalela abafundi:</p> <p>Balandela izalathiso zikatitħala (uzimele kunye / okanye niengelungu leqela) nokuzibeka kwabo eklasini umzekelo,</p> <p>Abafundi.</p> <ul style="list-style-type: none"> <li>- Mabeme “ngaphambili” eklasini. (thathela ingqalelo ngomphambili waseklasini a pho učango lukħoyo).</li> <li>- Mabeme “ngasemva” eklasini.</li> <li>- Mabaye phambili nasemva.</li> <li>- Mabarħubuluze baye phambili nasemva.</li> <li>- Mabaye phambili nasemva.</li> </ul>	<p>Usuku olu-1.</p>	

Iveki 8		Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithelikelelwayo
Ishloko	3.1 Indawo-bume, ukufumana indawo nembonakalo	Amanqaku angangcaciso  Utitsaha uzoba ipateni emgangathweni ngetshokhwe okanye emgangathweni, umzekelo, okanye 	Izixhobo eznokusetyenziswa  Izotywe phantsi.  
		<p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Bayahamba / okanye barhubuluze emigcenii yepateni.</li> <li>- Beka isicwili sephepha ellibomvu kwiikona zimele irobhotti. Xa abafundi besezikoneni zabo kufuneka baguqule umzimba wonke ukubaqhelanisa nezalathiso.</li> </ul> <p><b>Ukusebenzia izinto eziphathekayo eznokwakhaka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Mabenze indledana ngeeblisko zokwakha.</li> <li>- Mabatyhale ithoyi yemoto iye phambili nasemva ibe "kwindleta" eyakhiwe ngeeblisko.</li> <li>- Mabatyhale ithoyi yemoto ngokuyisa kwelinye icala nokkuyisa kwelinye icala "lendlela" eyakhiwe ngokweebhloko.</li> </ul>	Usuku olu-1.  

<b>Iveki 8</b> <b>Isihloko</b>	<p>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</p> <p><b>5.1</b> <b>Qokelela ,uhlele izinto</b></p> <ul style="list-style-type: none"> <li>Fundisa ngoku <b>Setyenziswa kolwazi</b> (besebenzisa imizimba yabo) ngokuqokelela izinto eklasini okanye kummandla wokusingqongileyo ngokweempawu eziheliwego, umzekelo:</li> </ul> <p><b>Ukufunda usebenzisa intshukumo yomzimba:</b> Yahlulahlula abafundi babe ngamaqela.</p> <p><b>5.2</b> <b>Bonisa ingqokelela yezinto eziheliwego.</b></p> <ul style="list-style-type: none"> <li>Kwigela ngalinye yalela onke amakhwenkwe eme emgoen uze uyalele onke amantombazana eme emgenci kufutshane nasemakhwenkweni.</li> <li>Yalela abafundi babale inani lamantombazana nenani lamantombazana kwigela ngalinye.</li> <li>Ngoku ungakwazi ukugqibezela “igrafu yomzimba” yamakhwenkwe namantombazana ngokweqela ngalinye.</li> </ul> <p><b>Into ephathekayo usebenzisa izinto ezinokwakhaka kuka 3-D:</b></p> <p><b>5.3</b> <b>Ukuoxxa nokunika ingxelo ngengqokelela eheliwego yezinto</b></p> <ul style="list-style-type: none"> <li>Abafundi banokusebenzisa ulwazi olungasentia ukuphuhilisa igrafu yezinto ezinokwakhaka kuka 3-D ngokusebenzisa libhioko / iimilo, njalo njalo olumele umfundi ngamnye.</li> </ul> <p><b>Ukufunda nokubonisa igrafu.</b></p> <p><b>Sebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso.</b></p> <p><b>Udongwe.</b> U-A4 Paper.</p>	<b>Ixesha elithelikelelwayo</b> <b>Ilixhobo eznokusetyenziswa</b> <b>Ixesha elithelikelelwayo</b>
<b>Iveki 8</b> <b>Isihloko</b>	<p><b>Ukufunda usebenzisa intshukumo yomzimba:</b> Yahlulahlula abafundi babe ngamaqela.</p> <p><b>5.2</b> <b>Bonisa ingqokelela yezinto eziheliwego.</b></p> <ul style="list-style-type: none"> <li>Kwigela ngalinye yalela onke amakhwenkwe eme emgoen uze uyalele onke amantombazana eme emgenci kufutshane nasemakhwenkweni.</li> <li>Yalela abafundi babale inani lamantombazana nenani lamantombazana kwigela ngalinye.</li> <li>Ngoku ungakwazi ukugqibezela “igrafu yomzimba” yamakhwenkwe namantombazana ngokweqela ngalinye.</li> </ul> <p><b>Into ephathekayo usebenzisa izinto ezinokwakhaka kuka 3-D:</b></p> <p><b>5.3</b> <b>Ukuoxxa nokunika ingxelo ngengqokelela eheliwego yezinto</b></p> <ul style="list-style-type: none"> <li>Abafundi banokusebenzisa ulwazi olungasentia ukuphuhilisa igrafu yezinto ezinokwakhaka kuka 3-D ngokusebenzisa libhioko / iimilo, njalo njalo olumele umfundi ngamnye.</li> </ul> <p><b>Ukufunda nokubonisa igrafu.</b></p> <p><b>Sebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso.</b></p> <p><b>Udongwe.</b> U-A4 Paper.</p>	<b>Ixesha elithelikelelwayo</b> <b>Ilixhobo eznokusetyenziswa</b> <b>Ixesha elithelikelelwayo</b>

<b>Iveki ye- 9</b>	<b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutishala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b>	<b>Amanqaku angangcaciso</b>	<b>Izixhobo eznokusetyenziswa</b>	<b>Ixesha elithelekelelwayo</b>
<b>Ishloko</b>	<p><b>3.2 Izinto ezinokwakheka kuka 3-D</b></p> <p>Utitshala ubamba ibholaa aze ayibampise emgangathweni. Uyayiqengqa emgangathweni. Emva koko utitshala uthabatha ibhokisi enze kwangolo hlubo lwangaphambili.</p> <p>Utitshala uyabuza:</p> <ul style="list-style-type: none"> <li>- Yeyiphi into enokuqengqeleka?</li> <li>- Kutheni ibhokisi ingakwazi ukuqengqeleka?</li> <li>- Yeyiphi into enokutshebeleza?</li> </ul> <p>Utitshala ubonisaa abafundi ukuba ibhokisi inamacala amane (ikona) kwaye ayikwazi kuqengqeleka, kodwa ibhola ayinazo ikona kwaye iyakwazi ukuqengqeleka.</p> <ul style="list-style-type: none"> <li>- Bakhuthaze abafundi bakhangele izinto eklassini ezinokuqengqeleka nokutshebeleza.</li> <li>- Qonda ukuba abafundi bayakwazi ukukhangela izinto ezinokuqengqeleka nezinokutshebeleza.</li> </ul>	 	<b>Ibhola</b>  <b>Ibhokisi</b>	Usuku olu-1.

<b>Iveki ye- 9</b> <b>Ishloko</b>	<p><b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe:</b></p> <p><b>Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b></p> <p><b>Amanqaku angangcaciso</b></p> <p><b>Izixhobo eznokusetyenziswa</b></p> <p><b>Ixesha elithtelekelelwayo</b></p>	<p>Uuku olu-1.</p>
<b>3.3</b> <b>Izinto</b> <b>ezinokwakheka</b> <b>kuka 2-D</b>	<p><b>Ukunakana, ukuchonga nokuxela iimilo eznokwakheka kuka 2-D eklasini nakwimifanekiso.</b></p> <p>- Isangqa</p> <p><b>Ukfunda usebenzisa intshukumo yomzimba:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Benza isangqa besebenzisa iminwe.</li> <li>- Benza isangqa besebenzisa izandia zozbini.</li> <li>- Bahala ekhaphethini, benze isangqa eli xa bebambene ngezandia.</li> <li>- Bahamba kwisangqa esikhulu, esenziwe ngomsonto ekhaphethini.</li> <li>- Badala umdialo apho abafundi bahala kwisangqa baze bacule ingoma.</li> <li>o Umfundsi omnye uma ngaphandle kwesangqa aze abaleke esijkeleza ephethe ibola ngezandla zakhe.</li> <li>o Umfundsi ukhetha ukubeka ibhola ngasemva kwaye nabaphi abafundi abaheli kwisangqa.</li> <li>o Umfundsi okhetiwayo kufuneka aphakamise ibhola aze ayiphose komnye umfundsi, eli xa abalekayo ejikeleza isangqa kwakhona andule ahiale kwisiknewu esikhoyo.</li> <li>o Xa ngaba ibhola ibethe umfundsi obalekayo, kufuneka ahambe aye kuhlala phakathi esangqeni uze umdialo uqhubekke.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Bakhangela izinto ezingqukuva eklasini.</li> <li>- Bakhangela iimilo ezimele isangqa.</li> </ul> <p><b>Ukusebenzisa iimilo eznokwakheka kuka 2-D okanye imifanekiso.</b></p> <p>I-orenji, i-apile, itafile, ibhola, imayibhile, incwadi, ibhokisi.</p>	<p>Uuku olu-1.</p>

Iveki ye- 9	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa	Ixesha elithelekelelwayo
Ishloko	<p><b>3.1 Indawo –bumé, ukufumana indawo nembonakalo.</b></p> <p>Indawo yento enye okanye ezimbini ngokunxulumene <b>Ukufundisa ukufutshane / ngaphakathi – ngokudibene nombala.</b></p> <ul style="list-style-type: none"> <li>• Ingqiqo – ecaleni kwe/phakathi: dibanisa nombala</li> </ul> <p>Utiishala ubiza abafundi abathathu.</p> <p>Ucacisa ngo-kufutshane no-ngaphakathi ngokubeka abafundi ngokwahlukeneyo ngokuthi:</p> <ul style="list-style-type: none"> <li>- UCraig ume ecaleni kukaSoso.</li> <li>- UMelinda umi phakathi kukaCraig noSoso.</li> </ul> <p>Umsebenzi unokwenziwa kwakhona nabanye abafundi.</p> <p>Utiishala unika abafundi iibhloko zokwakha ezimibala yahlukkeneyo aze abanike imiyalelo:</p> <ul style="list-style-type: none"> <li>- Babeka ibhloko ebomvu kufutshane nebhloko etyhelí.</li> <li>- Babeka ibhloko ebhlowu phakathi kwebomvu nebhloko etyhelí.</li> </ul> <p><b>Inte ephathækayo usebenzia izinto ezi:3:</b></p> <p>Ukusebenzia iibhinbhegi kwimibala eyahlukkeneyo (ebomvu, ebhlowu, etyhelí, eluhlaza), nika abafundi umiyalelo:</p> <ul style="list-style-type: none"> <li>- Mababeke iibhinbhegi ebhlowu kufutshane nebhinbhegi etyhelí.</li> <li>- Mababeke iibhinbhegi ebomvu phakathi kwebhinbhegi etyhelí nebhlowu.</li> </ul> <p>Lo msebenzi unokuditanyaniswa neZakhono zoBomi.</p>	Usuku olu-1.		

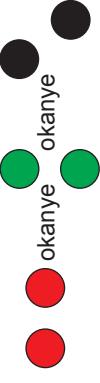
<b>Iveki ye- 9</b> <b>Ishloko</b>	<p><b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe:</b></p> <p><b>Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b></p> <p><b>Amanqaku angangcaciso</b></p> <p><b>Izixhobo eznokusetyenziswa</b></p> <p><b>Ixesha elithelekelelwayo</b></p>	<p><b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe:</b></p> <p><b>Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)</b></p> <p><b>Amanqaku angangcaciso</b></p> <p><b>Izixhobo eznokusetyenziswa</b></p> <p><b>Ixesha elithelekelelwayo</b></p>	<p>Usuku olu-1.</p>
<b>3.2</b> <b>Izinto ezinokwakheka kuka 3-D</b>	<ul style="list-style-type: none"> <li><b>Cwangcisa nokuba yeyiþhi ingqokelela yezinto ezimbini ozinikiweyo ukusukela kweyona incinane ukuya inkulu.</b></li> </ul> <p><b>Ukfunda usebenzia intshukumo yomzimba</b></p> <p>Nika abafundi udongwe uze ubayalele benze libhola ngodongwe.</p> <ul style="list-style-type: none"> <li>Kumaqela abo babeka iibhola zabo zodongwe ukusukela kweyona incinane ukuya kweyona inkulu kakhlulu.</li> </ul> <p><b>Inte ephathekayo usebenzia izinto eznokwakheka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>Ilungu leqela ngalinye kufuneka lifumane into eklasini.</li> <li>Bayalele abafundi bacwangcise izinto ngokobuncinane ukuya kwenkulu ngokwamaqela abo ohlukaneyo.</li> </ul> <p>Utitshala unika iqela ngalinye iidayrektri zeefowuni ezindala.</p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Mabakrazule iphepha kwidayrektri baze balishwabanise iphepha libe yibhola kumaqela abo.</li> <li>Abafundi mabattelekise ukuba yeyiþhi na ibhola enkulu kakhlulu kwaye iyeyiþhi encinane kakhlulu.</li> </ul> <p><b>Izinto ezimilo eznokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>Nika abafundi iphepha elinemifanekiso yezinto ezinkulu nezincinane.</li> <li>Abafundi banokufakela imibala kwizinto ezinkulu barhangqelet izinto ezincinane.</li> </ul>	<ul style="list-style-type: none"> <li><b>Cwangcisa nokuba yeyiþhi ingqokelela yezinto ezimbini ozinikiweyo ukusukela kweyona incinane ukuya inkulu.</b></li> </ul> <p><b>Ukfunda usebenzia intshukumo yomzimba</b></p> <p>Nika abafundi udongwe uze ubayalele benze libhola ngodongwe.</p> <ul style="list-style-type: none"> <li>Kumaqela abo babeka iibhola zabo zodongwe ukusukela kweyona incinane ukuya kweyona inkulu kakhlulu.</li> </ul> <p><b>Inte ephathekayo usebenzia izinto eznokwakheka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>Ilungu leqela ngalinye kufuneka lifumane into eklasini.</li> <li>Bayalele abafundi bacwangcise izinto ngokobuncinane ukuya kwenkulu ngokwamaqela abo ohlukaneyo.</li> </ul> <p>Utitshala unika iqela ngalinye iidayrektri zeefowuni ezindala.</p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Mabakrazule iphepha kwidayrektri baze balishwabanise iphepha libe yibhola kumaqela abo.</li> <li>Abafundi mabattelekise ukuba yeyiþhi na ibhola enkulu kakhlulu kwaye iyeyiþhi encinane kakhlulu.</li> </ul> <p><b>Izinto ezimilo eznokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>Nika abafundi iphepha elinemifanekiso yezinto ezinkulu nezincinane.</li> <li>Abafundi banokufakela imibala kwizinto ezinkulu barhangqelet izinto ezincinane.</li> </ul>	<p>Udongwe lokudilata.</p> <p>Naziphi izinto eziseklasini.</p> <p>Idayrektri yefowni.</p> <p>Iphepha elingu-A4 elinemifanekiso.</p>

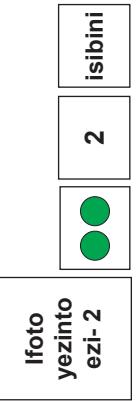
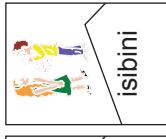
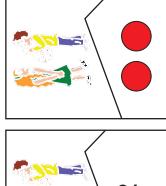
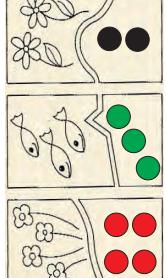
Iveki ye- 9 Ishloko	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-± 30 ngosuku (imisebenzi yeMathematika emi-± 5 ngeveki)	<b>Amanqaku angangcaciso</b>	Izixhobo eznokusetyenziswa	Ixesha elithelekelelwayo
4.2 Ubude	<p>• Thelekisa uze ucwangcise izinto ngokuziphathekayo usebenzisa isigama esifanelekileyo ukuchaza ubude.</p> <ul style="list-style-type: none"> <li>- Ende / emfutshane kakhulu</li> <li>- Eyona inde / eyona imfutshane</li> </ul> <p>Ukfundisa usebenzisa intshukumo yomzimba:</p> <ul style="list-style-type: none"> <li>- Utishala ubiza abafundi aba-4 aze abuze ikiasi ukuba immcedise ukucwangcisa abafundi ukusukela koyena mde ukuya koyena mfutshane.</li> <li>- Bayalele abafundi baziwangcise ngokwabo kumaqela abo ukusukela koyena mde ukuya koyena mfundi <b>mfutshane</b>.</li> <li>- Umfundsi omnye woyame eludongeni ngelixa elinye ilungu leqela lithatha umlinganiselo wobude esebeenzisa izandia zabo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D</b></p> <p>Utishala ubeka liindidi zezinto kwiiheyihile nganye yeqela njengeerula, iipensile, iikhrayoni, iirabha, njalo.</p> <p>- <b>Hlela</b> zonke izinto ezinde kune nazo zonke ezimfutshane <b>inde</b> ukuya kweyona <b>imfutshane</b></p> <p><b>Itshati yobude.</b></p> <ul style="list-style-type: none"> <li>- Abafundi mabahile izinto ukusuka kweyona <b>inde</b> ukuya kweyona <b>imfutshane</b></li> </ul> <p><b>Itshati yobude.</b></p> <ul style="list-style-type: none"> <li>- Utishala unetshati yobude exhonywe eludongwani ukuze akwazi ukubonisa ubude bonmtwana ngamnye.</li> <li>- Sebenzisa amakhadi aneesimboli zabafundi ukubonisa ubude bomfundi ngamnye kwitshati yobude.</li> <li>- Utishala kune nabafundi batikela kwisigqibo sokuba uSipho uzizandia ezintandathu ubude aze uAbby abe zizandia ezintlanu kuphela kuba mfutshane.</li> </ul>	<p>Usuku olu-1.</p>  <p>lirula, iikhrayoni, iipensile, irabha, njalo.</p> <p><b>Itshati yobude</b></p>  <p><b>U Sipho unobude obuzizandla ezi-6.</b></p> <p>U-Abby unobude obuzizandla ezi-5.</p>	Usuku olu-1.	

IVEKI YE-10	Sebenzisa iverki 10 ukwawasela ubuthathaka kunye / okanye nezithintelo ekufundeni.	Imilinganiselo yokuHjola
Inkalo yomxholo	Ishloko	
Amanani, ii-opareyshini noLwalamano.	1.1 Bala izinto	Ukuqikelela nokubala ngokucengceleza ukuya kutsho kwisi-5 (lingoma nezingqisho zamana ni eziqukwe ukuphuhilisa amanani). Nakana amanani kwimeko oghelekileyo, umzekelo, ubudala, irejista. Qonda amanani ahambelanayo (Itshati ngexesha lokutya). Khettha imifanekiso yamanani kunye namakhadi anamachokoza abandakanya inani unye Yazi isimboli yenani u-1. Nakana igama lenani unye. Sebenzisa izixhobo eziphathetkayo.
lipateni neefankshini ne-Aljibra	Ubuchule/iindela zokusombula iingxaki 2.1 lipateni zejiyometri	Cacisa indlela ocinga ngayo ngamagama Kunye nemizobo okanye izinto eziphathetkayo. Chonga iipateni kwizinto ezisingqongileyo. Kopa, yandisa, yenza lipateni zakho. Yazi: ngaphambili kwe/nasemva kwe Yazi: phezelu kwe,ngaphantsi kwe Yazi: ngaphakathi,ngaphandle Yazi:phezelu,phantsi
Isithuba nemilo (Ijiyometri).	3.1.Indawo-bume,ukufumana indawo nembonakalo 3.2 Izinto ezinokwakhaka kuka 3-D ne 3.3 imilo ezinokwakhaka kuka 2-D	Qonda iingqiqo: ngaphambili,ngasemva Nakana, khettha,uxele iibhola. Nakana, khettha,uxele iibhola iibhokisi. Nakana, khettha,uxele isimboli yakhe, isimboli yogxa wakhe negama leklasi. Yakha iphazili ezi-6. Ukubonisa isakhono sokukwazi ukwahlu phakathi kwezinto "ezisemva" "neziphambil". Chonga unakane isangqa. Chonga unakane unxamatathu. Thelekisa ukuba yeypshi ingqokelela enikiweyo yezinto ezimbin ezhinkudiwana, ezincinanana, ezinkulu kakhulu nezinccinane Kakhulu. Hlela izinto: Ubungakanani – inkulu nencinci. Umbala – imibala engundoqo (obomvu, otyhei, obhlowu). Imilo – isangqa, unxantathu nesikwere. Izinto eziqengqeleyo. Izinto ezitshebelezayo.

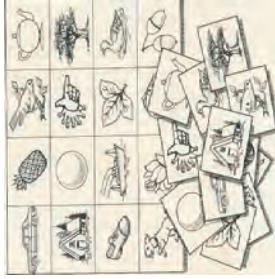
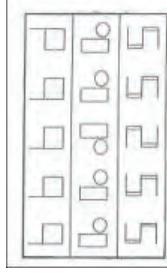
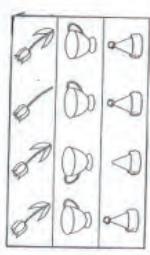
Inkalo yomxholo	Ishioko	Imilinganiselo yokuHiola
Isithuba nemilo (Ijiyometri).	3.4 Ulingano-macala	Qaphela umgca wesimetri kuye.
Umlinganiselo.	4.1 Ixesha	Ukusebenzisa amagama afana nala: imini, ubusuku, ukukhanya nobumnyama, kusasa, emva kwemini, ngokuhlwa ukuchaza ixesha losuku. Cwangcisa iziganeko eziphindelelayo ebomini bakhe bemihiha (inkqubo yemihla ngemihla). Bonisa nokuqonda iintsuku zeveki, amaxesha onyaka nemo-zulu.
	4.2 Ubude	Yazi usuku lwakho lokuzalwa. Yahlula phakathi kobude, ubude kakhulu, futshane, futshane kakkhulu (itshati yobude).
Ukusebenza ngolwazi oluqokelelweyo.	5.1. Qokelela uhlele izinto	Akwazi ukuqokelela, ukuhlela, ukuzoba, ukufunda nokuhlatuya izinto ngokophawu olunye.
	5.2. Bonisa ingqokelela yezinto ezihieliweyo	
	5.3. Xoxa uze unike ingxelo ngengqokelela yezinto ezihieliweyo	

<b>Iveki ye- 11</b> <b>Ishloko</b> <b>1.1</b> <b>Bala izinto</b>	<p><b>Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe:</b>  <b>Umsebenzi weklaši omnye ofundiswa ngutitshala (isangqa) wemizuzu engama-2 30 ngosuku (imisebenzi yeMathematika emi-2 5 ngeveki)</b></p> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani elingu-2.</b>  <b>Ngomlomo:</b> Ukubala izinto zemihla ngemihla ukuya kutsho kwi -2.            Ukubala ukuya phambili nasemva ukuya kutsho kwi -2.  <b>Bethelela “ubuninzi” “nombalwa” .</b>            Qhwaba izandla kaninzi.... YIMA.  <b>Qhwaba izandla amatyeli amafutshane. Utitshala uqhwaba amaxesha ama- 2.</b></li> </ul> <p><b>Ukufunda usebenzisa intshukumo yomzimba:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Biza abafundi aba- 2 ngaphambili. Babale.</li> <li>- Bala izitulo ezi- 2, ittafile, njalo njalo.</li> <li>- Ukwataltha izibini zamalungu omzimba njengamehlo, iindlebe, izandla, iinyawo, amadolo, amagxa, njalo njalo.</li> <li>- Sebenzisa umzimba, umzekelo, baqhwaba izandla kabini, bashukumisa iintloko kabini, ukunyathela emgangathweni kabini okanye batsibe kabini, njalo njalo.</li> <li>- Phakamisa iminwe emi- 2, izandla ezi- 2, iinyawo ezi-2.</li> </ul>	<p><b>Ixesha elithelekejelwayo</b></p> <p><b>Izxhobo ezinokusetyenziswa</b></p> <p><b>Ixesha elithelekejelwayo</b></p> <p>Usuku olu- 1.</p> <p>Imifanekiso emibini yeentaka yengoma yokubala -  “lintaka ezimbini.....”</p> <p>Imizimba yabafundi.</p>
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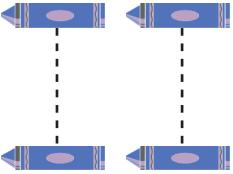
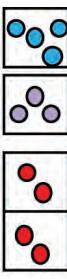
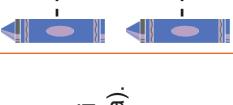
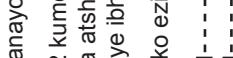
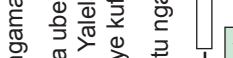
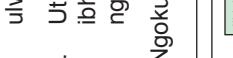
Iveki ye- 11	Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithelekelelwayo
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa
1.1 <b>Bala izinto</b>	<p><b>Sebenzisa izinto eznokwakhaka kuka 3-D:</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Ukwalatha isibini sezinto ezifanayo eklassini, umzekelo, izihlangu ezibini, iikhrayoni, njalo njalo.</li> <li>- Uku phuhisa ulwazi ngolondolozo lwamanani ngokuyaleta abafundi bapakishe izinto zokubala ezimbini okanye naziphi izinto ngeendela ezahlukeneyo, umzekelo,</li> </ul>  <p>Izinto zokubala ezi- 2 okanye izinto ezi-2 zomfundni ngamnye.</p> <p>Xa ubala, inani lezinto alichatshazelwa bubungakanani, okanye indawo elimi kuyo, okanye nokuba zezdidi olufanayo. Umzekelo:</p> <ul style="list-style-type: none"> <li>- Uku cwangicisa amaqhosha ama- 2, iipensile ezi- 2, iihupu ezi- 2, abafundi aba- 2, njalo njalo.</li> <li>- Zibale ngendela eyahlukileyo, umzekelo, zibale uzisakaze, ziqumbanise, zibe semgenci.</li> </ul>	

<p>Iveki ye- 11</p> <p><b>Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe:</b> Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</p>	<p>Ixesha elithelkelekelwayo</p> <p>Ixesha olu-1.</p>
<p><b>Ishloko</b></p> <p><b>1.3 lisimboli zamanani namagama amanani</b></p> <p><b>• Ukwazi ngesimboli yenani nokunakana igama lenani elibandakanya inani elingu- 2.</b></p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>- Utukshatisa amakhadi emifanekiso anemifanekiso emi-2 kuwo namakhadi anamachokoza amabini kuwo.</li> <li>- Bonisa oonotsheluza nomfanekiso wenani lezinto ezikhethiweyo , umzekelo, ipere yezihlangu, iikhrayoni ezimbini, njalo njalo.</li> <li>- Yalela abafundi bakhangele inani elifanayo lezinto eklassini.</li> <li>- Ukuchonga oonotsheluza abananamanani emifanekiso awohlukleyo.</li> <li>- Ukuchonga oonotsheluza abanesimboli yenani elingu- 2.</li> <li>- Ukunakana oonotsheluza abanegama lenani</li> <li>- Ukurixbelelansia isimboli yeanani elingu-2 kune neñani lezinto nenani lamachoza.</li> <li>- Ukurixbelelansia igama lenani kune nekhadi lesimboli yenani elingu- 2 inani lezinto kune neñani lamachoza.</li> <li>- Dibaniisa unotsheluza onenani elingu -1 uze uyalele abafundi bachonge amaranu u- no-2.</li> <li>- Yenza iiphazili zamanani uze uyalele abafundi bazitsatise, umzekelo,</li> </ul>	<p><b>Izixhobo eznokusetyenziswa</b></p> <p>Beka ngokwamanani oonotsheluza bamakhadi ngezinto ezimbini.</p> <p>Izinto eklassini nakummandla osingqongileyo.</p> <p><b>Ifoto yezinto e-2</b></p>  <p><b>Ifoto yezinto ezi- 2</b></p>  <p><b>2</b></p> <p><b>isibini</b></p>    

Iveki ye- 11	Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithhelekelelwayo
Ishloko	<p><b>3.2 Izinto ezinokwakhaka kuka 3-D kunye</b></p> <ul style="list-style-type: none"> <li>• <b>Chaza, hela uze uthellekise izinto ezinokwakhaka kuka 3-D no2-D ngokokufana nokwahluka kwazo</b></li> </ul> <p>Izinto ezifanayo nezahlukeneyo.</p> <p>Ukufundu usebenzisa intshukumo yomzimba:</p> <ul style="list-style-type: none"> <li>- Khettha amantombazana amabini usebenzisa isinqisho sokubala.</li> <li>- Abanye abafundi balatha indlela afana ngayo amantombazana amabini?</li> <li>- Khettha inkwenkwe nentombazana usebenzisa isinqisho sokubala.</li> <li>- Abanye abafundi balatha indlela intombazana nenkbazana eyahluke ngayo.</li> <li>- Bengababini omnye umfundi "uma" ngendlela ethile aze omnye akope le ndlela "eme" ngayo, umzekelo,</li> <li>- omnye umfundi uma ubeka izandla entloko yakhe esinye emlenzeni. Omnye ukopa "indawo yokuma."</li> <li>- Ukuhlela abafundi ngokwesini, abo banezhlangu, nabo baneembaddada, kunye nabo bahrampa ngenyawo.</li> <li>- Biza abafundi abalandelayo beze ngaphambili.</li> </ul> <p>Amantombazana namakhwenkwe aneebhuluhwe, intombazana enelokhwe.</p> <ul style="list-style-type: none"> <li>○ Bonke abantwana abanxibe izihlangu, omnye akanxiBanga zihlangu.</li> <li>- Buza umbuzo othi: "Ngowuphi umfundi ongangqamaniyo? "Ngowuphi umfundi owahlukileyo?"</li> </ul>	Ixesha ezinokusetyenziswa

<b>Iveki ye- 11</b> <b>Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</b>	<b>Ixesha elithhelekelelwayo</b>																																				
<b>Ishloko</b>	<b>Amanqaku angangcaciso</b>	<b>Izixhobo eznokusetyenziswa</b>																																			
<b>3.2 Izinto ezinokwakhaka kuka 3-D kanye</b>	<ul style="list-style-type: none"> <li><b>Chaza ,hela uze uthelkise izinto eznokwakhaka kuka 3-D kanye neemilo ezinokwakhaka kuka 2-D ngokwendela ezifana ngayo nangendela ezohluke ngayo</b> <ul style="list-style-type: none"> <li>- Abafundi ababini babbampisa libhola: libhola enkulu nebholu encinane.</li> <li>- Abanye abafundi balatha iindela libhola ezifana ngayo nezahluke ngayo.</li> <li>- Omnye umfundu ugengqa i-orenji, omnye ugengqa ibhola.</li> <li>- Abafundi baqaphela izihlangu zamakhwenkwe neembadada zamantombazana.</li> <li>- Abanye abafundi balatha iindela izihlangu ezifana ngayo nezahluke ngayo.</li> <li>- Abafundi bakhangelia izinto ezifanayo eklassini.</li> </ul> </li> </ul>	 <p>Yenza imidhalo yamakhadi okutshatisa njengoko kuxeliwe kumzekelo ongaseantsi.</p>																																			
<b>3.3 Nezinto ezinokwakhaka kuka 2-D</b>	<p><b>Ukusebenzisa liimilo eznokwakhaka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Ukunika imidhalo yamakhadi yokutshatisa ukukhuthaza okufanayo nokwahlikleyo, umzekelo,</li> </ul>	  <p>Ukuishiisa imidhalo ngamakhadi.</p>																																			
		<ul style="list-style-type: none"> <li>- Inkubela-phambili engamakhadi anzima <b>ngaphezulu ekuhambeni konyaka</b>. Abafundi akunyanzelekanga ukuba bafunde oonobumba, umzekelo,</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>o</td><td>e</td><td>o</td><td>c</td><td>e</td><td>o</td><td>a</td> </tr> <tr> <td>d</td><td>da</td><td>pa</td><td>ad</td><td>ab</td><td>ad</td><td></td> </tr> <tr> <td>θ</td><td>θ</td><td>θ</td><td>θ</td><td>θ</td><td>θ</td><td></td> </tr> <tr> <td>r</td><td>r</td><td>r</td><td>r</td><td>r</td><td>r</td><td></td> </tr> <tr> <td>s</td><td>s</td><td>s</td><td>s</td><td>s</td><td>s</td><td></td> </tr> </table>	o	e	o	c	e	o	a	d	da	pa	ad	ab	ad		θ	θ	θ	θ	θ	θ		r	r	r	r	r	r		s	s	s	s	s	s	
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Iveki ye- 11	Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithhelekelelwayo
Ishloko  1.4 Chaza, thelekisa uze ucwangcise amanani	<p>Amanqaku angangcaciso</p> <ul style="list-style-type: none"> <li>Ukucuwangcisa nokuthelekisa iingqokela yezinto esebeenzisa “iyalingana ne” okanye “iyafana”.</li> </ul> <p>Ukufunda usebeenzisa intshukumo yomzimba:</p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Baphuhliisa amagama:efanayo neyahlikileyo.</li> <li>Ukuthelekisa iminwe yabo neenzwane zabo. Nangona inenani <b>elifanayo</b> ikhangaleka yohlikile.</li> <li>Ukuthelekisa iminwe, iinzwane namehlo. Zibonakala zohlikile kodw Sinenani elifanayo leminwe neenzwane, umzekelo, i- 10 kodwa sinamehlo amabini kuphela.</li> <li>Ukuthelekisa iidlebe, iirgal, imilenze neenyawo. Zibonakala zohlikile kodwa zinenani <b>elifanayo</b>, oko kukuthi sinezbini zezi zinto.</li> <li>Utishala uzoba izangqa ezibini phantsi okanye wenza izangqa ezibini ngomsonto. Yalela abafundi bazoohlue ukwenzela ukuba inani labafundi iilngane kwisangqa ngasinye. Bala inani labafundi. Khomba amaqla alinganayo kwafanayo.</li> </ul>	Izihobo eznokusetyenziswa  Usuku olu- 1.

<p>Iveki ye- 11</p> <p><b>Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</b></p>	<p>Ixesha elithhelekelewayo</p>
<p><b>Ishloko</b></p> <p><b>1.4 Chaza, thelekisa uze ucwangcise amanani</b></p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>- Baphuhlisa amagama okufanayo nokwahluhuley.</li> <li>- Beka iseti yeesimboli zomfundii phakathi kwikaphethi.</li> <li>- Nika umfundii ngamnye iikhadi lesimboli. Abafundi bazama ukutshatista lisimboli zabo nefanayo ekhaphethini.</li> <li>- Beka iqela lezinto etafilieni uze uzohlule zibe ngamaqela alinganayo (enye yeyakho, enye yeyam).</li> </ul> <p>Imizekelo:</p> <ol style="list-style-type: none"> <li>1. Beka izinto ezimbini zodidi olufanayo, umzekelo, iikhrayoni, emqolweni wetafile. Buza umfundii omnye ukuba <b>atshatise</b> iikhrayoni nganye katitshala neyakhe. (Umfundi kufuneka athathe iikhrayoni ezimbini zokutshatista inani leekhrayoni zikatitshala. “Ngoku umntu ngamnye unenani elinye / elifanayo leekhrayoni.”</li> <li>2. Phinda lo msebenzi mnye njengasentla ku- 4 kunye nezinto ezi- 6 zabafundi zokuqonda ulwazi ngamagama athi “okufanayo / okulinganayo.”</li> <li>3. Utitshala ubeka libhloko ezi- 2 kumqolo wetafile. Unika ngamnye abafundi ababini libhloko. Yalela utitshala ukuba atskatise libhloko nganye kwibhloko zakhe. (Abafundi ngabanye kufuneka beze nenyé libhloko yokutshatista neebhloko ezimbini zikatitshala). “Ngoku umntu ngamnye uneebhloko ezi- 2. Sinenaní elifanayo neebhloko.”</li> </ol> <p style="text-align: center;"></p> <p style="text-align: right;">libhloko. libhloko zikatitshala</p> <p><b>Ukusebenzisa liimilo ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Yalela abafundi bathelelkise umfanekiso noonotsheluza abanamachaphaza. Mabachonge amakhadi afanayo.</li> <li></li> <li>- Banike umdlao wokumetshisa amakhadi ngeexesa lokudlala ngaphakathi apho abafundi banokwahluhula phakathi kokufanayo nokwahluhuley.</li> </ul>	<p>Ilixhobo eznokusetyenziswa</p> <p>Ixesha elithhelekelewayo</p> <p>Usuku olu-1.</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>&lt;img alt="Diagram showing a blue stick with a pink dot, connected by a dashed line to a single blue stick with a pink dot." data-bbox="4</p>

Iveki ye- 11	Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutitshala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)	Ixesha elithelkelelwayo
Ishloko  1.4 Chaza, thelekisa, ucwangcise amanani	<p>Amanqaku angangcaciso</p> <ul style="list-style-type: none"> <li>Ukucuwangcisa nokuthelkisa iingqokelela zezinto usebenzisa “ngaphezelu kwe” .</li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemihla ngemihla ukuya kutsho ku- 2. Bethelela “u-ninzi” “no -mbalwa” .</p> <p>Qhwaba izandla zakho kaninanzi ..... YIMA</p> <p>Qhwaba izandla amatyeli ambalwa. Utitsihala uqhwaba amaxesha ukuya kuma kuma- 2.</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba:</b></p> <p>Umfundi uyazixela iingqokelela ezinkiwyo ezimbini vezinti: “ngaphezelu”</p> <p>Yalela abafundi:</p> <ul style="list-style-type: none"> <li>Bala amehlo abo neminwe yabo. Buza umbuzo: “Zeziphi ezinini abanazo?”</li> <li>Bonisa iminwe emibini kwesinye isandla nomnwe omnye kwesinye isandla. “Sesiphi isandla esinezingaphezelu?”</li> <li>Khettha abafundi abathathu usebenzisa isingqisho sokubala xa usenza oko. Zahlula ngokwamaqela esi- 2 nesi- 1.</li> </ul>    <p>- Bala inani labafundi kwidela ngalinye. Thelekisa amaqela amabini uze ubuze imibuzzo enje ngale: “Leliphi iqela elinabafundi abaninzi? ” “Leliphi iqela elinezingaphezu kwesinye?”</p>	Ixihobo eznokusetyenziswa  Usuku olu- 1.

<b>Iveki ye- 11</b> <b>Ixesha lokufundisa elicetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama-t 30 ngosuku (imisebenzi yeMathematika emi-t 5 ngeveki)</b>	<b>Ixesha elithelekelelwayo</b>	
<b>Ishloko</b> <b>1.4</b> <b>Chaza, thelekisa, ucwangcise amanani</b>	<b>Amanqaku angangcaciso</b>  <b>Ukusebenzisa izinto eziphathekayeo ezinokwakheka kuka 3-D</b>	<b>Izixhobo eznokusetyenziswa</b>  <b>Ixesha elithelekelelwayo</b>
<p>- Bekaa izibini ezi- 2 zezikere, izinto zokubala ezi- 3 neekhrayoni ezi- 4 kwitheyibhile. Bala izinto zeqela ngalinye.</p>  <p>- Buza umbuzo othi: "Ngawaphi amaqela anezinto ezinanzi. Leliphi iqela elinezinto ezinanzi". "Leliphi iqela elinezikere ezinanzi?" "Leliphi iqela elinezingaphezu kwezintathu?"</p> <p>- Beka iindidi ezahlukenejo zezinto eziphathekayeo (amakholombe, izitya, izikiko, njalonjao), Zhiiele ngokwamaqela (zonke izikiko kunye), ubala inani lazo kwigela ngalinye uez ubonise ukuba leliphi na iqela eelingaphezulu, eelingaphantsi, eilinganayo. Banike ithuba lokusebenza ngezinto zokubala zabo. Qala ngamananii amancinane.</p> <p>- Umxulumaniso: Izikhongozeli mazinkwe xa kudialwa ngamanzi nesanti ukunika amathuba okulingisa ngeengqiqo ezinjengo-ngaphezulu, ngaphantsi no-lingana.</p>	<p>Naziphi izinto eziseklasini.</p>  <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso.</b></p> <ul style="list-style-type: none"> <li>- Yalela abafundi batheleksiise umfanekiso noonotsheluza abanamachaphaza. Khetha amakhadi angaphezu kwenani elinkiwego ngutishala, umzekelo, Utishala uthi: Khangela ikhadi elinemifanekiso yamachaphaza angaphezu kwesi- 2?</li> <li>- Uktutshatisa amakhadi anenani elifanayo lezinto izixhobo zokubala. (ipakethi yesixhobo sokubala / ikhawunta yechozoa ngalinye umfanekiso ngamnye).</li> </ul> 	<p>Umfanekiso noonotsheluza abanamachaphaza. likhawunta / izixhobo zokubala.</p>

Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutitsuala enemisebenzi yeklassi eyimizuzu engama ±30 ngosuku ( $\pm 5$ ezemisebenzi ye mathematika ngeveki)	Ixesha elisondeleyo
ISILOKO	Amanqaku angcaciso	Ixesha elisondeleyo
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Nakana uze uchonge isimboli yenani kunye negama lenani elibandakanya u-2</li> </ul> <p><b>Ngomlomo:</b> Bala yonke imihla izinto ukuya kwi- 2 Bala ubhekisa phambili nangasemva uye kwi- 2 Ukubala ngokungenantsingisel u- 1 ukuya kwi- 7 <b>Bethela ingqiqo ka “ninzi no mbalwa”</b> Qhwaba kaninzi ..... YIMA Qhwaba izandla zakho amaxesha ambalwa.Utitshala uqhwaaba ukuya kwi- 2</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b> Vumela abafundi ba:</p> <ul style="list-style-type: none"> <li>Bhampise ibhola kanye ,ngamanye amagama ixesha eli-1</li> <li>Bhampise ibhola kabin,ngamanye amagama amaxesha ama- 2 emhlabenai baze abafundi bahambe phezu kwenani elingu- 2</li> <li>Zobe isimboll engu- 2 esantini,emoyeni ,ekhaphethini njil-njil</li> <li>Benze inani elingu- 2</li> <li>Khangele abahlubo bakho aba- 2 abanxibe izihlangu</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> Abafundi mabenze oku:</p> <ul style="list-style-type: none"> <li>Thatha izinto zokubala</li> <li>Thatha izinto zokubala ezimbini</li> </ul>	Usuku olu-1. lingoma zamanani neezicengcelezo

Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutitsuala enemisebenzi yeklassi eyimizuzu engama ±30 ngosuku ( $\pm 5$ ezemisebenzi ye mathematika ngeveki)	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
1.1 Bala izinto	<p><b>Ukusebenzisa ilmilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Abafundri mabenze oku:</p> <ul style="list-style-type: none"> <li>- Chonga oonotsheluza abanemifanekiso uze ubadibaniye nenani lezinto .</li> <li>- Chonga oonotsheluza abaphawuliwe ngamachokoza amabini baze bawadibaniye nenani ellingsana nezinto ezo.</li> <li>- Chonga isimboli yenani nonotsheluza onegama lenani uze uyidibaniye nenani ellingsana nezinto ezo.</li> <li>- Chonga isimboli yenani elingu- 2 emfanekisweni oyinikwe ngutitishala.</li> <li>- Khangela apha egumbini utsho ukuba ulibona phi inani elingu-2.</li> <li>- Hlula iklassi ibe ngamaqela amabini.Nika ithuba lokudila ngeedomino ngokwamaqela.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>Umfanekiso yezinto ezezi-2</b>  <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">bini</span> </div> <p>Izinto zokubala</p> <p>Imifanekiso enesimboli yenani eli - 2</p>	<p>Izesha olu-1.</p> <p>Oonois heluza abanemifanekiso emibini, amachaphaza, iisimboli zamnanani negama lenani.</p>

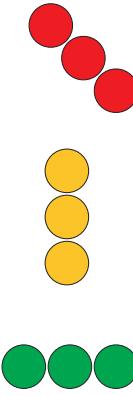
Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama ±30 ngosuku ( $\pm 5$ ezemisebenzi ye mathematika ngeveki)	Ixesha elisondeleyo
ISILOKO  1.7 Ukudibana nokuthabatha	<p><b>Sombulula ngomilomo uze ucacise Izisombululo zeziibalo zamazzi (izibalo)</b></p> <p><b>Ukfundu usebenzisa intshukumo yomzimba</b></p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>Utitshala ubiza umfundu omnye ukuba eze ngapahambii.Umfundi uyazibala.Utitshala uphindha abize omnye umfundu aze abuze: Bangaphi abafundi bebonke 1kunye no <math>1 \rightarrow 2</math>. (Utitshala uthi u 1no 1 benza u 2)</li> <li>Utitshala uthabatha isitulu esi-1 .Uthi athathae nesinye aze abuze ukuba zingaphi izitulo zizone? U -1 no 1 <math>\rightarrow</math> 2.</li> <li>Utitshala uphakamisa uminwe emi-2 aze athi: "bala iminwe yam".Ukuba ndififila ubemnye ,ndibona iminwe emingaphi ? 2 thabatha <math>1 \rightarrow 1</math>.</li> <li>Utitshala uphakamisa uminwe emi-2 aze athi: bala iminwe yam".Ukuba andiyususi iminwe yam,ubona iminwe emingaphi ? 2 thabatha <math>0 \rightarrow 2</math>.</li> <li>Kukho umntwana omnye ekhaya.Kufika omnye eze kudlala.Bangaaphi bebonke abantwana ngoku?</li> <li>Kukho abantwana ababini etafileni.Umntwana ngamnye ufuna isitulu sakhe.Ingaba sifuna izitulo zibe ngaphi?</li> </ol> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka okungu 3-D</b></p> <p><b>Umz:</b> Izixhobo zokubala</p> <ol style="list-style-type: none"> <li>Ukuba uneqbengwana elinye aze umama akunike elinye,uya kuba namaqbengwana amangaphi ?</li> <li>Utitshala unekhawuntari ezimbini, kwisandia sakhe esinye, akanazo kwesinye .Ingaba zingaphi izixhobo zokubala zakhe zizonke ?</li> <li>UCay uneebhola ezimbini.Ibhola enye kwezi zimbini iyaqengqeleva.Ingaba uCay ushiyeke neebhola ezingaphi?</li> <li>Ukuba uneebhloko ezimbini uze unike umhlobo wakho ibhloko enye, ingaba umntu emnye uza kuba neebhloko ezingaphi?</li> </ol>	<p>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>Izingoma zamanani nezicengcelez</p> <p>Usuku olu-1.</p> <p>Izintzo zokubala (izixhobo zokubala ukuba awunawo amaqbengwana)</p> <p>Izintzo zokubala (izixhobo zokubala)</p> <p>Ibhola libhloko</p>

Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama ±30 ngosuku (#5 ezemisebenzi ye mathematika ngeveki)	Ixesha elisondeleyo
ISILOKO  1.4 Chaza, thelekisa ucwangcise, amanani	<p><b>Landeletansacwangcisa uze uthelkise ingqokelela yezinto usebenzisa “ingaphantsi kune”</b></p> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwinani eli-2</p> <p><b>Bethelela ingqiqo engu “ninzi” no “rmbalwa”</b></p> <p>Qhwaba izandla zkhoo amaxesha ama..... YIMA</p> <p>Qhwaba izandla zakho amaxesha ambalwa. Utitshala uqhwaba aye kuma ku -2.</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b> (Dibarisa ubugcisa bokwenza eqongeni nezakhono zobomi-umdaniso)</p> <ul style="list-style-type: none"> <li>- Cula ingoma: " Intloko , amagxa ,sifuba nesinqe". Cula onke amagama kumjikelo yokuqala "si</li> <li>- Kumjikelo olandelelayo phungula igama ambalwa- libe linye. Umz.Intloko,amagxa,sifuba ne.....Sifuba ne.....</li> <li>- Cula ingoma ube namagama ambalwa owashiyayo Intloko namagxa ne..... ne....."</li> <li>- Utitshala uyalatha ngalo lonke ixesha beshiyeteela igama ambalwa kude kungashiyeki magama</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Utitshala wenza imitya yamaso.</p> <p>Faka amaso amathathu kumtya wokuqala , amaso amabini kumtya wesibini, iliso elinye kumtya wesithathu namaso amathathu kumtya wesine.</p> <ul style="list-style-type: none"> <li>- Abafundi mabachonge oku: Let learners identify: <ul style="list-style-type: none"> <li>- Ngowuphi owona miya onawona maso ambalwa ?</li> <li>- Ngowuphi umtya wamaso oneliso elinye elingaphezelu komtya onamaso amathathu ?</li> </ul> </li> </ul>	Izxihobo zokufundisa ekucetyliswa ukuba zisetyenziswe

Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutitsuala enemisebenzi yeklassi eyimizuzu engama ±30 ngosuku ( $\pm 5$ ezemisebenzi ye mathematika ngeveki)	Ixesha elisondeleyo
ISIHLOKO  1.4 <b>Chaza, thelekisa ucwangcise, amanani</b>	<p><b>Amanqaku angcaciso</b></p> <p><b>Ukusebenzisa imilo ezinokwakheka kuka- 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Abafundi mabathelekeise umfanekiso nonotsheluza onamachaphazzChonga unotsheluza onenani elingapezelu okanye ongaphantsi kulawo anikwe ngutitsuala. Umz.Ngowuphi unoitsheluza onezinto ezingapezelu kwesibini?</li> <li>- Ngowuphi unoitsheluza onezinto ezimbala kune-4?</li> </ul>  <p><b>Bethela ukuthelekitwa kwezinto eziyingqokelela usebenzisa:</b></p> <ul style="list-style-type: none"> <li>- ngaphezelu kune</li> <li>- ngaphantsi kune (mbalwa)</li> </ul> <p><b>Ukubala ngomlomo: Bala izinto yonke imihla uye kuma kwinani elingu-2</b></p> <p>Cengceleza ngokubala ukusuka ku -1 -7</p> <p><b>Bethela u –“ ninzi “no “mbalwa”</b></p> <p>Qhwaba izandla amakesha amaninzi.....YIMA Qhwaba izandla amakesha ambalwa.Utitshala uqhwaba aye kwisi-2</p> <p>Ultishala wenza umtya onamaso.Faka amaso amathathu kumtya wokugala, abe-2 kumtya wesibini</p> <p>Abafundi bachongga:</p> <ul style="list-style-type: none"> <li>- Ngowuphi umtya wamaso onawona maso ambalwa?</li> <li>- Ngowuphi umtya wamaso onawona maso maninzi?</li> <li>- Ngowuphi umtya wamaso onamaso amabini ngaphezelu kunomnye umtya?</li> <li>- Ngowuphi umtya wamaso onamaso amathathu ngaphantsi kunomnye umtya?</li> </ul> <p>Nxulumanisa nobugcisa bokubonwayo apho abafundi boluka istro,sika imilo ezinemngxuma phakathi,amagqabi nj-nj</p>	Ixesha ukuba ziseteyenziswe  Izxhobo zokufundisa ekucetyliswa ukuba ziseteyenziswe
		Ixesha olu-1.
		Yenza imifanekiso nonotsheluza bamachaphaza.

Iveki ye -12	Ixesha lokufundisa elicetyiswayo: Iplani ekhokelwa ngutitsaha enemisebenzi yeklasi eyimizuzu engama ±30 ngosuku (#5 ezemisebenzi ye mathematika ngeveki)	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
ISILOKO		Amanqaku angcaciso	
1.4 <b>Chaza, thelekisa ucwangcise, amanani</b>	<b>Ukusebenzisa imifanekiso/ilmilo ezinokwakheka kuka 2-D</b> Beka iqela lezinto etafileni uze uzahlule ngolu hlobo: <ul style="list-style-type: none"> <li>- Amaqela alinganayo ((nye yeyakno, enye yeyam)</li> <li>- Amamqela angalinganryo(thelekisa ubone ukuba leliphi iqela elizinto ezinti kunelinye/leliphi iqela elinezinto ezimbawia/ngawaphi alinganayo)</li> <li>- Ukuva kukho amqela amabini angalinganiyo kufuneka senze ntoni ukuze alingane?)</li> </ul>	Imiya emine ezinamananii amaso awohlukileyo.	Usuku olu-1
3.2 <b>Izinto ezinokwakheka kua 3-D kunye</b>	<ul style="list-style-type: none"> <li>• <b>Chaza,hlela uze utelekise izinto ezinokwakheka kuka 2-D kunye no 3-D</b></li> </ul> <b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> Abafundi maba: <ul style="list-style-type: none"> <li>- Hlele iintlobo ngeentlobbo zezinto ngokobukhulu.</li> <li>- Hlele uze utelekise iibhloko zokwakha ngokobukhulu (inkulu,incincic)</li> <li>- Hlele ibhloko ngokwe sakheko esifanayo</li> </ul> <b>Ukusebenzisa imilo ezinokwakheka kuka 2-D okanye imifanekiso</b> Hlula abantwana babe ngamaqela amahlanu.Nika iqela ngalinye izinto ezineemilo ezahlukileyo. <ul style="list-style-type: none"> <li>- Abafundi mabahlele imilo ngoko               <ul style="list-style-type: none"> <li>o Mbala</li> <li>o Imilo (nokuba abafundi abazazi izakheko)</li> <li>o Ubuukhulu</li> </ul> </li> <li>- Sebenzisa amakhadi anemidalo abonakalisa umbala,ubukhulu nemilo</li> </ul>	Izinto ezinkulu nezincinci ezahlukileyo apha egumbini lokufunda umz ibhola, unodoli, imoto yokudila, iibhloko. libhloko zokwakha neebhola ezinobukhulu obungalinganiyo  limilo nokuba zeziphi imilo (logi shapes) ezinemibala eqaqambileyo.	Usuku olu-1
3.3 <b>Nezinto ezinokwakheka kuka 2-D</b>			

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Fundisa intsingiselo yenani u – 3</li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwinani elisisi-3 Bala usiya phambili ubale ubuya umva uye kuma kwisi- 3 <b>Bethelela u – “ ninzi “no “mbalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kwisi- 3</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Utitshala ubethha igubu okanye udala umculo.Xa umculo ucimile abafundi bohlulwa babengamaqela amathathu.</li> <li>Buza abantwana ukuba ngubani onamalungu osapho amathathu kuphela.</li> <li>Abafundi bema emgenci.Utitshala ubuza ukuba ngubani owesithathu emgenci?</li> <li>Yohlula abafundi babe ngamaqela ama ±5</li> <li>Abafundi maba:</li> <li>Krazule amaphepha amathathu kwincwadi esisalathiso seenombolo zommxeba endala.</li> <li>Shwananise amaphepha amathathu abe zilbhola ezintathu bawaqinise kangangoko.Ukuphucula ubucala sebenzisa esona sandla umntwana asisebenzisayo.Aabantwana banokuhala phezu kwasandla angasisebenzisi rhoqo.</li> <li>Vule iibhola uze uzishwabanise kwakhona.</li> <li>Bale iibhola emveni kokuba uzishwabanise zontathu.</li> </ul> <p>- Njengokuba ubala phosa iibhola zontathu ebhaskithini uze uzibeke embindini weqeta. Lo msebenzi undokunxulunyaniswa nemithambo kwiziFundoo Zobomi.</p>	Izixhobo olu-1 lingoma zamanani nezicengcelezo

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
1.1 Bala izinto	<p><b>Ukusebenzisa izinto eziphathekayeo ezinokwakheka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Chonge izinto ezi- 3 egumbini lokufundu</li> <li>- Phakamisa iminwe emithathu</li> <li>- Beka izinto ezi- 3 etafileni.Umfundi ngamnye makeze etafileni eze kubala into nganye.</li> <li>- Abafundi babamba into nganye lo gama bebala.Phinda phinda nagezinye izinto</li> <li>- Phuhliisa ulwazi lwamanani ngokuthi ubayeke abafundi bapakishe izixhobo zokubala ezintathu okanye nokuba yintoni ngendlela ezahlukileyo. Umz.</li> </ul>  <p>Xa ebala, inani lezinto malingachatshazelwa bubukhulu okanye indawo okanye ukufana. Umz.</p> <ul style="list-style-type: none"> <li>- Cwangcisa amaqhosha ama-3, lipensile ezi-3, izangqa ezi-3, abafundi aba-3 njl-njl.</li> <li>- Bala ezi zinto ngeendlela ezininzi umz. Zibale zither saa, ziqokelelene, zisemcenii okanye zibekwe enye phezu kwenyi.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye umfanekiso</b></p> <ul style="list-style-type: none"> <li>- Bonisa umfanekiso wembiza yesiXhosa enemilenze emithathu.</li> <li>- Bala imilenze.</li> <li>- Abantwana mabacinge ngayo yonke into enemilenze emithathu.</li> <li>- Bonisa ikhadi elinomfanekiso onezzinto ezintathu.Abafundi babala izixhobo zokubala ezihambelana nenani.</li> <li>- Yenza njalo ngoonotsheluza abanamachokoza.</li> <li>- Abafundi batshatisa oonotsheluza abanamachaphaza nonotsheluza onomfanekiso.</li> </ul>	<p>Izintoto zokubala/izixhobo zokubala okanye izinto</p> <p>Oonotsheluza abanemifanekiso Oonotsheluza abanamachaphaza Izixhobo zokubala</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>Umfanekiso we zinto ezintathu</b>  </div>	Usuku olu-1

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo						
ISILOKO	<p><b>1.3</b></p> <p><b>Amanqaku angcaciso</b></p> <ul style="list-style-type: none"> <li><b>Zazi lisimboli zamanani uze unakane amagama amanani abandakanya inani elingu- 3</b></li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwinani elisisi- 3 Bala ubhekisa phambili nangasemva uye kuma kwisi- 3</p> <p><b>Bethelela u –“ ninzi “no “mbalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba aye kwisi- 3</p> <p>Ukusebenzia izinto eziphathekayo ezinokwakheka kuka 3-D</p> <p><b>Nika umfundu ngamnye iityhubhu ezi- 3</b></p> <ul style="list-style-type: none"> <li>Utitshala ubonisa abantwana ichaphaza,umfanekiso,isimboli okanye unotsheluza onamanani u-1 ukuya ku- 3</li> <li>Abafundi babhala inani elithile baze bathathe iityhubhu ezilingana nelo nani.</li> </ul> <p><b>Ukusebenzia iimilo ezinokwakheka kuka- 2 D okanye imifanekiso</b></p> <p>Abaundi ba:</p> <ul style="list-style-type: none"> <li>Chonga ononotsheluza onamani emifanekiso awohlkileyo</li> <li>Chonga unotsheluza onenani elingu-3</li> <li>Tshatisa isimboli yenani elisisi-3 kune nenani lezinto nenani lamachaphaza.</li> <li>Tshatisa igama lenani kune nonotsheluza onesimboli yenani lamachokoza.</li> <li>Nika umfundi ngamnye ikhadi elinanamanu u -1 ukuya kutisho kwı -3. Utitshala uphakamisa ichaphaza okanye umfanekiso. Umfundi makaphakanise ikhadi elinenani elihambelana nechaphaza okanye umfanekiso.</li> </ul>	<p><b>Iixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p>lityhubhu Oonotsheluza abananamanani ano -1 ukuya kwı- 3</p> <table border="1"> <tr> <td><b>Umfanekiso onezinto ezint</b></td> <td><b>3</b></td> <td><b>ntathu</b></td> </tr> </table> <p><b>Ixesha olu-1</b></p> <p>lityhubhu Oonotsheluza abananamanani ano -1 ukuya kwı- 3</p> <table border="1"> <tr> <td><b>Umfanekiso onezinto ezint</b></td> <td><b>3</b></td> <td><b>ntathu</b></td> </tr> </table>	<b>Umfanekiso onezinto ezint</b>	<b>3</b>	<b>ntathu</b>	<b>Umfanekiso onezinto ezint</b>	<b>3</b>	<b>ntathu</b>
<b>Umfanekiso onezinto ezint</b>	<b>3</b>	<b>ntathu</b>						
<b>Umfanekiso onezinto ezint</b>	<b>3</b>	<b>ntathu</b>						

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixshobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
ISIHLOKO	<p><b>1.7</b></p> <p><b>Ukudibana ismobilu ukuya kwi- 3.</b></p> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwinani elisisi-3</p> <p>Bala ubhekisa phambili nangasemva uye kuma kwisi-3</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p><b>Imizekelo:</b></p> <ul style="list-style-type: none"> <li>- Utishala ubiza abafundi ababini ukuba beze ngaphambili.Ababundi baya babala. Utishala uphindra abize omnye umfundi aze abuze: Bangaphi abafundi bebonke:2 Kunye no 1→3.(Utishala uthi 2 no 1 benza isi- 3)</li> <li>- Utishala uthabatha izitulo ezi-3. Akongezi situlo.Zingaphi izitulo ngoku? 3 no 0@ 3</li> <li>- Utishala uthabatha izitulo ezi-3 .Uthatha sibe sinye aze abuze ukuba zingaphi izitulo ngoku? 3 no 1 → 2.(2 no 1 bakunka isi -3)</li> <li>- Utishala ubiza abantwana aba-3 beze ngaphambili Babale.Uthumela ababini ukuba baye kuhalia phantsi.Bangaphi abafundi abashiyekileyo? 3 thabatha 2 →1</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Nika abafundi abathathu izixhobo zokubala.Utishala ubalisa ibali baze abantwana babeke into yokubala.</p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. U-Anelisiwe unee-orenji ezi -2.UPopo umnika i-orenji e-1.Ingaba uAnelisiwe unee-orenji ezi ngaphi ngoku? 2 no 1→3 (Utishala uthi: 2 no 1 ukunika 3).</li> <li>2. Umthi unesebe elinye.Kukhula amanye amasebe ama-2.Umthi unamasebe amangaphi ngoku? 1 no 2→3.</li> </ol> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. Inkawu ineebhavana ezi -3.Itya ibhavana ibe -1.Ingaba ishiyekelwe ziibhanana ezingaphi? 3 thabatha 2→1.</li> <li>2. Kukho ii-apile ezi-2 emthini.I-apile e-1 iyawa.Kushiyeke ii-apile ezingaphi emthini? 2 thabatha 1 →1.</li> </ol>	<p>Ixesha olu- 1</p> <p>lingoma zamanani nezicengcelezo</p>	<p>Izinto zokubala ezi-3 zomfundu ngamnye</p>	

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	<p><b>2.1</b></p> <p><b>lipateni zejiyometri</b></p> <ul style="list-style-type: none"> <li>• Yila lipateni zakhe esebebenzisa izinto ezimbini</li> </ul> <p><b>Ukfufunda usebebenzisa intshukumo yomzimba</b></p> <p>Abafundidi benza isangqa.Bacula besebebenzisa amagama ngokukhawulezayo</p> <p>Umzekelo:</p> <p>Imvula,imvula Chapha,chapha Imanz' ilokhwe yam Imanz' ilokhwe yam</p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Abafundidi ba:</p> <ul style="list-style-type: none"> <li>- Qokelela apha egumbini lokufunda izinto ezi-3 ezifanayo. Umz iikhrayoni ezi-3</li> <li>- Qokelela ezyne izinto ezi-3 ezifanayo umz.ihloko ezi-3</li> <li>- Abafundi baylla ipateni zabo besebebenzisa izinto ezyimbini.umz</li> <li>- Ikhayoni enye, ibhloko enye, iikhrayoni enye.....</li> <li>- Iikhayoni ezimbini, ibhloko enye, iikhayoni ezyimbini, ibhloko enye.....</li> <li>- Vumela abafundi ukuba bayile iipateni ngeenddela ezahlukileyo.</li> <li>- Batshintshiselana nabahlobo babo ngezinto.Makuphinda phindwe oku.</li> </ul>	<p><b>Izxhobo zokuufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p><b>Amanqaku angcaciso</b></p> <p><b>Ixesha olu-1</b></p>

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutitsaha enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo
ISIHLOKO	<p><b>3.3 Izinto ezinokwakheka kuka 2-D</b></p> <ul style="list-style-type: none"> <li>Nakana, chonga uze uxele limilo ezinokwakheka kuka- 2-D ezilapha egumbini</li> <li>lokufunda eziqika imifanekiso.</li> <li>- unxantathu</li> <li>• Bethelela ulwazi olufundwe kwiveki yesine ukuze anakane, achonge, axele unxantathu.</li> </ul> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Zoba, okanye usebenzise intambo ukuyila umphandle weemilo ezinkulu zikanxantathu.</p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Hamba kumacala emilo onke aze aqwälasele iimpawu zika nxantathu. Niengokuba behnamba abafundi mabathi: Ndihamba kunxantathu. Nye, mbini, ntathu amacala. Okanye nye, mbini, ntathu ikona (ii-engile)</li> <li>- Utitsaha uxelela abafundi ukuba unxathathu uneekona ezintathu namacala ama-3.</li> <li>- Zoba unxantathu emoyeni okanye esantini.</li> <li>- Bumba unxantathu ngomdongwe.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Nakane baze bachonge izinto egumbini lokufunda ezinemilo kanxantathu.</li> <li>- Nakana baze bachonge izinto endalweni ezinemilo kanxantathu.</li> <li>- Faka iintlobo ngeentlobo zezangga noonxantathu abandonbukhulu obahlukenenyo kwibhegi. Chonga unxantathu phakathi kwezo milo.</li> </ul>	<p>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>Usuku olu-1</p>	Ixesha elisondeleyo

IVEKI YE 13	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
3.3 Izinto ezinokwakheka kuka 2-D	<p><b>Hela izinto ezinokwakheka kuka 3-D neemilo ezinokwakheka kuka 2-D</b></p> <p>Hela izinto ngokwemilo nombala.</p> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Chonga unxantathu emifanekisweni.</li> <li>- Zoba unxantathu ephepheni.</li> <li>- Kopa unxantathu kwikhadi olinikiweyo</li> <li>- Rhangqa izangqa ezikwiphepha lomsebenzi olinikiweyo</li> <li>- Yenza imifanekiso usebenzisa unxantathu ngexesha lokuzoba</li> <li>- Dlala umdalo wamakhadi ophucula uze ubethelele iimilo.</li> </ul>	<p>Usuku olu-1</p> <p>Imifanekiso apho unxantathu anokuchongwa khona.</p> <p>Amakhadi anemidalo ephuhilisa ukuqatshelwa kweemilo ezifana nezikwre efana rale "Yintoni ekwisikwre".</p> <p>Iimilo zelogi (logi shapes)</p>

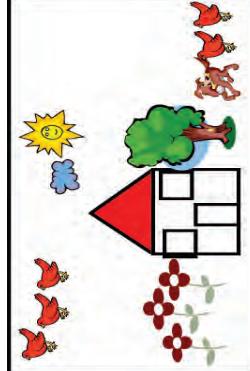
IVEKI YE- 14	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsuala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
1.1 <b>Bala izinto</b>	<ul style="list-style-type: none"> <li><b>Bethelela ulwazi alufumeneyo lwenani u-3</b> <b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwinani elisisi-3 Bala usiya phambili, ubale ubuya umva uye kuma kwisi-3 Bala ngentloko ngokungenantsingiselo ukuqala ku-1-7 <b>Bethelela u –“ ninzi “no “mbalwa”</b> Qhwaba izandla amaxesha amaninzi..... YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kwisi-3</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> Abafundi ba:</p> <ul style="list-style-type: none"> <li>Funa izinto ezibomvu zibe -3 egumbini lokufunda.</li> <li>Yenza inani elingu-3 besebeenzisa umdongwe.</li> <li>Bumba iiibola ezi-3 ezinkulu ngomdongwe.</li> <li>Bumba ibhola ezi-3 ezincinci ngomdongwe.</li> <li>Khangela egumbini lokufunda abafundi aba-3 abanxibe umbala omnye.</li> </ul>	<p>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>Ixesha elisondeleyo</p>	Usuku olu-1

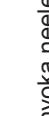
IVEKI YE- 14	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	<p><b>1.7</b> <b>Ukudibananis nokuthabatha</b></p> <p><b>Sombulula ngomlomo uze ucacise lisombululo kwizibalo zamazwi (izibalo ezingamabal) ezinenani elingu-3</b></p> <p><b>Ngomlomo:</b> Balai izinto yonke imihla uye kuma kwinani elisisi-3 Balai usiya phambili ubale ubuya umva uye kuma kwisi-3</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. Utitsuala ubiza abafundi aba- 2 ukuba beze kuhlala ekhaphethini.Utitsuala ubiza abafundi omnye ukuba aze kuhlala ekhaphethini.Utitsuala ubiza abantwana aBangaphi ukuba beze kuhlala ekhaphethini.Utitsuala uthi: 2 no 1 bakunika u.3.</li> <li>2. Kukho abantwana abathathu.Ummtwana ngamnye ufuna ikhrayoni yakhe.Zingaphi ikhrayoni esizifunayo?</li> <li>3. Abantwana abathathu bame bonke.Omnye uyaphuma egumbini.Bangaphi abantwana abashiyekleyo?</li> </ol> <p><b>Izinto eziphathekayo ezinokwakheka kuka- 3-D</b></p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. Utitsuala ubeka izinto zokubala ezi -3 etafileni.Uthatha izixhobo zokubala ezi-2. Zingaphi izixhobo zokubala ezishiyekleyo etafileni? Utitsuala uthi 3 thabatha 1 kushiyeka 2.</li> <li>2. UPat uneekati ezimbini.Uphiwa nguBusi ikati e-1.Zingaphi iikati zikapPat zizorke? 1 no 2→3. Utitsuala uthi 1 no 2 zikunika 3.</li> <li>3. Ukuba ikati enye inomsila omnye, mingaphi imisila yeeekati ezi- 3 iyonke? 1 and 1 and 1→3</li> </ol>	Izxhobo zokufundisa ekucetyliswa ukuba lisetyenziswe Ixesha olu-1

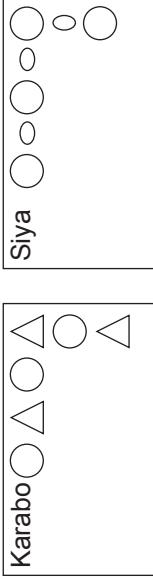
IVEKI YE- 14	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsaha enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	Amanqaku ngangcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
2.1 lipateni zejiyometri	<ul style="list-style-type: none"> <li><b>Gqibezela lipateni azinikiwewo enezinto ezi- 2</b></li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Abafundi mabakope ipateni yentishukumo. Umz. Xhuma, xhuma, tsiba, tsiba, xhuma, xhuma, tsiba.....</li> <li>- Abafundi bagqibezela ipateni besebenzisa imizimba yabo umz. e.g .Bama ecaleni komye baze bemanu betshintsha izandla zabo bezibeka entloko,izandla emahlezeni,izandla entloko.....</li> </ul> <p><b>Izinto eziphathekayo ezisebenzisa ukwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Abantwana mabakope ipateni yento umz. iliso, iliso/(bead), uluthi, uluthi, iliso, iliso, uluthi, uluthi .....</li> </ul> <p><b>limilo ezinokwakheka kuka 2-D okanye umfanekiso</b></p> <ul style="list-style-type: none"> <li>- Utitsaha unika abantwana imifanekiso yento enye esele isikwe kakuhle eziindidi ezinizi.(Sika imifanekiso ngexesha lemisebenzi yobugcisa bokubonwayo).</li> <li>- Utitsaha wenza ipateni baze abafundi bayikope umz.umfanekiso wekofu; iti, iswekile.....</li> <li>- Abafundi mabagqibezele ipateni ngokuzoba:</li> <li>- Intyatyambo, igqabi, intyatyambo.....</li> <li>- Isangqa esi bhlouw, isekile ebomvu, isangqa esi bhlouw..... njl-njl.</li> </ul>	Ixesha olu-1

IVEKI YE- 14	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	<p><b>Amanqaku ngangcaciso</b></p> <p><b>3.2 Izinto ezinokwakheka kuka 3-D</b></p> <p>Hlula abantwana babe ngamaqela ama-5.</p> <ul style="list-style-type: none"> <li>- Utishala uqokelela izinto ezaneleyo ukuze iqela ngalinye libe nakho ukuzihela ngokweempawu ezimbini. (Zinokuba ninzi kunoku).</li> <li>- Nika iqela lezinto ezineempawu ezimbini ukuze lizihlele.</li> </ul> <p>Abantwana mabenze oku:</p> <ul style="list-style-type: none"> <li>- Hlela izinto ezifanayo nezahlukleyo.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka- 2 D okanye imifanekiso</b></p> <p>Abantwana mabahale kula maqela bebekuwo.</p> <ul style="list-style-type: none"> <li>- Telekisa uze uhole imifanekiso eyahlukleyo ebiqokelelwé ngutishala.umz.lindidi ngeendidi zemifanekiso yeeiokhwe, ukuya, izithuthi nj-ŋj.</li> <li>- Abafundi bagqibezela amaphepha okusebenza apho batshatisa khona imifanekiso emibini umz. Intiam yamazinyo nebrashi yamazinyo, ilaphu lokuhamba ubuso nesepha.</li> </ul>	<p>Izxhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>Izxhobo olu-1</p> <p>Izinto ezifana nezi: limpahla zokunxiba ezahlukleyo lintlobon geentlobozeziqhamo lindidi rgeendidi zeziwanyana zasefama zokudala limilo ezahlukleyo ze-jiyometri lindidi rgeendidi zeebhloko zokwakha lindidi rgeendidi zeebhloko zelogi (logi blocks)</p> <p>lindidi rgeendidi zeziwana namaggabi, amakhuni, amalye nj-ŋj lindidi rgeendidi zamaghosa. lindidi rgeendidi zemibala yeziciko zebholtie.</p> <p>Qokeela imifanekiso kwilmagazini neencwadana zolwazi. Sika uze uncamathisele emakhadini.</p>

IVEKI YE- 14	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo				
ISIHLOKO	<p><b>3.1</b></p> <p><b>Indawo –bum, ukufumana indawo nembonakalo.</b></p> <ul style="list-style-type: none"> <li>Indawo yezinto ezmibinio kanye ezininzin ngokunkulumene nomfundi           <ul style="list-style-type: none"> <li>Bethelia u-ngaphezelu/ngaphantsi</li> </ul> </li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Umfundsi ngamnye uhlala esitulweni.</p> <ul style="list-style-type: none"> <li>Aabantwana babonisa oku: ngaphezulu,ngaphantsi ngokulandela miyalelo katishala. umz hlala phezu kwebbhokisi,lala phantsi kwebbhokisi/kwetafile.</li> <li>Hlala phantsi kwetafile.Zisonge ube mnincici ukuze ube nakho ukungena phantsi kwetafile.</li> <li>Yima ngeenyawo phezu kwestitulo uze uzolule kangangoko unakho.</li> <li>Ngena etafileni yakho uze ujiwule ingalo zakho wenze izangqa ezzinkulu/ezincinci.</li> <li>Beka libhloko entloko uze ukhwele etafileni.</li> <li>Khetha abafundi abahlanu usebenzise isicengcelezo samanani</li> <li>Sebenza le miyalelo kumfundsi ngamnye:           <ul style="list-style-type: none"> <li>Hlala phantsi izandla zakho zibe phantsi kwemilenze yakho.</li> <li>Yima ngeenyawo izandla zakho zibe semaheleni akho.</li> <li>Yima ngeenyawo izandla zakho zibe ngasemva.</li> <li>Hlala phantsi izandla zakho zibe semagxeni akho.</li> <li>Yima ngeenyawo uphothe izandla zakho ngaphambili.</li> </ul> </li> </ul> <p>Abafundi bama ngaphambili logama elinye iqela lhleli ekhaphethini.</p> <ul style="list-style-type: none"> <li>Wenza ntoni umfundsi wokuqala ?(Uheli phantsi)</li> <li>Ziphi izandla zakho ?(izandla zakhe ziphantsi kwemilenze)</li> <li>Phinda nelinye iqela labafundi usebenzisa la magama okwesibini, okwesithathu, okwesine, okokujqibela.</li> <li>Khupha phandle iqela elitha lize libonise ngokwalo oku -ngaphezulu, ngaphantsi,ngaphezulu kwe-</li> </ul>	<p>Ilixobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p><b>Ilixobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p>Abantwana Ibhokisi</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td></td> </tr> <tr> <td><b>phezu kwe</b></td> <td><b>phantksi kwe</b></td> </tr> </table>			<b>phezu kwe</b>	<b>phantksi kwe</b>	Usuku olu-1
<b>phezu kwe</b>	<b>phantksi kwe</b>						

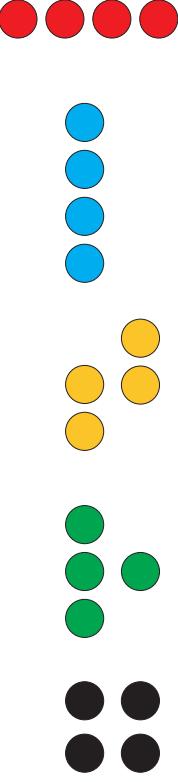
IVEKI YE - 15	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki		
ISILOKO			
1.1	<p><b>Bala izinto</b></p> <ul style="list-style-type: none"> <li><b>Bethelela ulwazi alufumeneyo Iwamanani u-1,2 no 3</b> Ngomlomo: Bala izinto yonke imihla uye kuma kwinani elisisi-3 Bala usiya phambili ubale ubuya umva uye kuma kwisi-3 Bala ngentioko gokungenantsingiselo ukuqala ku-1-7 <b>Bethelela u –“ ninzi “no “mbalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kwisi-3</li> </ul> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b> Khuthazza abantwana ukuba baftumanie oku: - Ilungu lomzimba eli-1 elkwaziyo ukushukuma libheke phezelu okanye libheke phantsi, liye emacaleni umz. ulwimi - Amalungu ama-2 asetyenzisewa ukutsiba umz.imilene</p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b> Abafundi bakhulisa ingqiqo ngamanani ngoku:- - Sebenzisa libhloko ezi-3 wakhe ithawa - Khangela izinto ezi-3 ezibomvu apha egumbini lokufunda.</p> <p><b>Ukusebenzisa imilo ezinokwakhaka kuka- 2 D okanye umfanekiso</b> Utitshala uzoba umfanekiso olula - Utitshala ubuza imibuzo engqamene nenani lezinto ezisemfanekisweni. umz. Zingaphi iifestile ozibonayo? njl-njl</p>	<p><b>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p><b>Ixesha elisondeleyo</b></p> <p>Usuku olu-1</p> <p>lingoma zamanani nezicengcelezo</p> <p>Imizimba yabafundi. Ukucula balinganise ingoma umz. “ amahotyazana mahlanu enthini, kwabhabba lalinye kwasala amane..... Izicengcelezo zamnanani</p> <p>libhloko Izinto ezibomvu</p>  <p>Utitshala uzoba umfanekiso olula - Utitshala ubuza imibuzo engqamene nenani lezinto ezisemfanekisweni. umz. Zingaphi iifestile ozibonayo? njl-njl</p>	<p>Usuku olu-1</p> <p>Ingoma zamanani nezicengcelezo</p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kwisi-3 - Khuthaza abafundi ukuba bafunde ngentioko iinombolo zakumawabo kwakunye nesitalato ahlala kuso.</p>
1.2	<p><b>Ukubala usiya phambili nokubala ubuya umva</b></p> <ul style="list-style-type: none"> <li><b>Sebenzisa amanani u 1, 2 and 3 kwimeko eziqheleleyo</b> Ngomlomo: Bala izinto yonke imihla uye kuma kwinani elisisi-3 Bala usiya phambili, ubale ubuya umva uye kuma kwisi-3 <b>Bethelela u –“ ninzi “no “mbalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kwisi-3 - Khuthaza abafundi ukuba bafunde ngentioko iinombolo zakumawabo kwakunye nesitalato ahlala kuso.</li> </ul>		<p>Usuku olu-1</p> <p>Ingoma zamanani nezicengcelezo</p>

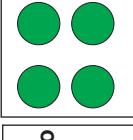
IVEKI YE - 15	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Ixixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
1.2	<b>Ukusebenzisa izinto eziphathekayeo ezinokwakhaka kuka 3-D</b> Abafundi maba: <ul style="list-style-type: none"> <li>- Khangele imifanekiso yamanani angu 1,2, no 3 kwimaggazini neflaya baze bayincamatisele ephepheni.(nxulumanisa nobugcisa bokubonwayo)</li> <li>- Tshatasa inani lezintu neenani lamachaphaza kunotsheluza.</li> <li>- Bonisa ikhadli lamachaphaza.Abantwana baphosa inani eilinganayo neebhibegi kwibhokisi.</li> <li>- Dala umdlalo weenyoka neeleli needomino.</li> </ul>	Imagazini, iintengiso Oonoitsheluza abanamachaphaza    libimbegi Umdlalo weenyoka neeleli liDomino
<b>AMANQAKU:</b>	Singqongwe ngamanani: <ul style="list-style-type: none"> <li>- Yonke indlu ineranri</li> <li>- Sonke sinamanani awahlukileyo kwiinombolo zethu zommxeba</li> <li>- Sibona amanani ezifestileni zeevenkile</li> <li>- Sibona amanani kwizinto esizithengayo ezivenkileni</li> <li>- Sibona amanani ezimotweni</li> </ul>	Usuku olu-1
1.4	<ul style="list-style-type: none"> <li>• <b>Cwangcisa uze uthelikise ingqokelela yezinto usebenzisa u- ngaphezelu kune, ngaphantsi kune, lingana ne ukuya kwinani elingu-3.</b></li> </ul> <b>Chaza,uthelikise uze ucwangcise amanani</b> Ukufunda usebenzisa intsnukumo yomzimba Biza abafundi beze ngaphambili.Mabenze isangqa Ababini mabeme genyawo	Usuku olu-1
	<ul style="list-style-type: none"> <li>- Bangaphi abahleli phantsi. Babale. Leliphi inani elingaphezelu/elona lingaphezelu, leliphi elingaphantsi/elona lingaphantsi.</li> <li>- Abafundi abathathu mabeme ngenyawo.Babale.Leliphi elona nani lingaphezelu/lingaphantsi? Biza omnye umfundime. Babale. Ingaba abafundi abahleli phantsi Bangaphezelu kunabo bahleli phantsi?</li> <li>- Phinda usebenzisa amanani ukusuka ku- 1ukuya kwisi 3..</li> <li>- Bala amantonbazana.Bala amakhwenkwe.Ingaba amakhwenkwe angaphezelu kuramantombazana?</li> </ul>	

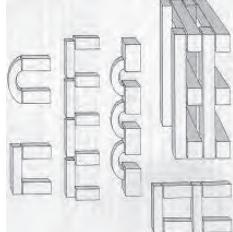
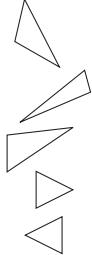
IVEKI YE - 15	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	<p><b>1.4 Chaza, uthelekise uze ucwangcise amanani</b></p> <p>Hlula abafundi babe ngamaqela amahlau.</p> <p>Nika iqela ngaliny isijungqe somtya/sewulu kunye nezinto ezintlanu(zingangaphezulu/ngaphantsi). Abafundi berza inesi ngewu.</p> <ul style="list-style-type: none"> <li>- Utishala usebezela iqela ngalinye.eliyalela ukuba lenze iqela lezinto ezi- 3 okanye ezi- 2 okanye e-1 kwiinesi zabo.</li> <li>- Abafundi mabachonge iqela elinezinto ezingaphezulu kwe -1.</li> <li>- Leiphi iqela elinezinto ezingaphantsi kwe-3?</li> <li>- Leiphi iqela elinezinto ezilanganayo?</li> </ul>	<p><b>Iziixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p>Usuku olu-1</p> <p>Umtya Izinto ezi- 5 kwiqela ngalinye</p>
2.1 lipateni zejiyometri	<p><b>• Kopa uze ugqibezele ipateni ngokwale mibala: bomvu, bhlouw, tyheli.</b></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utishala ulinganisa ipateni.Uyayiphinda phinda aze agcine isinqisho.umz <ul style="list-style-type: none"> <li>○ Qhwaba, snepa(iminwe), qhwaba, snepa</li> <li>○ Nqokra iminwe (snap), qhwaba, Nqokra iminwe (snap), qhwaba, ngqisha</li> <li>○ Qhwaba, snepa, snepa, qhwaba, Nqokra iminwe (snap), snepa</li> </ul> </li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Utishala unika abafundi izixhobo zokubala/iziciko zeebhottile ezi-3 ezibomvu, ezi-3 ezibhlowu kunye nezi-3 ezityheli.</p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- <b>Kope</b> ipateni abyinikiweyo kwipatenizikatishala umz.bomvu,bhlouw,tyheli(phinda phinda amaxesha amanlinzi ngepateni eyahlukileyo)</li> <li>- <b>Gqibezele</b> ipateni enikiveyo umz bhlouw,tyheli,bomvu.....(phinda phinda amaxesha ngepateni eyahlukileyo)</li> <li>- Abafundi mabahalele izixhobo zokubala ngokwemibala emithathu eyahlukileyo.</li> </ul>	<p><b>Iziixhobo olu-1</b></p> <p>Umfundii ngamnye makafumane ezintathu ezibomvu, ezintathu eziluhlaza okwesibhakkabaka nezintathu ezityheli izixhobo zokubala okanye iziciko zebbhotile.</p> <p>Iphepha elingu A4 likhrayoni</p>
	<p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Nika abafundi iphetshana elincinci.</li> <li>- Abafundi mabagqibezebla iimilo ezinezakhiwo ezinokwakheka kuka- 2-D njengesipheho</li> <li>- Gqibezebla umfanekiso ngexesha lobugcisa obubonwayo ngokuthi uzobe umfanekiso phakathi.</li> </ul>	

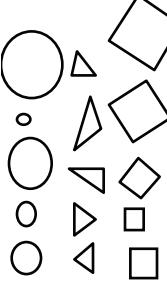
IVEKI YE - 15	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	<p><b>1.4</b> <b>Ubude</b></p> <p>Thelekisa uze uhlele izinto ngokuzibamba esebeenzisa isigama esifanelekleyo</p> <ul style="list-style-type: none"> <li>- inde, imfutshane,</li> <li>- indana, imfutshanana,</li> <li>- eyona inde eyona imfutshane</li> </ul> <p><b>Ukufunda usebeenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Umfundsi omnye ulala phantsi.Abarye abafundi babeka libhloko ngokomgca emacaleni omzimba wakhe.</li> <li>- Utishala uyalela iklassi ukuba bakhe into emfutshane kunabahlobo babo nendana kumabahlobo babo.</li> </ul> <p>Abafundi mabaqiniseke ukuba:</p> <ul style="list-style-type: none"> <li>- Sesiphi isakhwiwo esidana?</li> <li>- Sesiphi esona sakhwiwo side?</li> <li>- Sesiphi isakhwiwo esifutshanana?</li> <li>- Sesiphi esona sakhwiwo sifutshane?</li> </ul> <p>Abantwana mabalungise iindidi zeixhobo zokwenza izinto:</p> <ul style="list-style-type: none"> <li>- Ukusuka kweyona inde ukuya kutsho kweyona imfutshane.</li> <li>- Ukusuka kweyona imfutshane ukuya kutsho kweyona inde.</li> <li>- Abafundi mabattelekise ubude bezintio ezahlukileyo.</li> </ul> <p>Utishala unika abantwana izijungqe zewulu okanye umtya.Bakhuthaze ukuba baqikelele phambi kokuba benze imilinganiselo.</p> <p>Abantwana mabathathe imilinganiselo:</p> <ul style="list-style-type: none"> <li>- lintloko zabo.</li> <li>- linyawo zabo.</li> <li>- Amaqatha abo.</li> <li>- Izihlahla zabo.</li> </ul> <ul style="list-style-type: none"> <li>- Abafundi mabattelekise ubude obahlukileyo ngokubona ukuba zeziphi izijungqe zemtya ezidana okanye ezifutshanana umz.umlinganiselo womtya wentloko yam umdana kunalowo wesihlahla sam.</li> <li>- Abafundi mabaqiniseke ukuba uqikelelo lwabo lutungile kusini na.</li> </ul>	<p>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>Usuku olu-1</p> <p>libhloko zokwakha</p> <p>Umtya Intambo Imicwe yelaphu likhrayoni ezinobude obahlukileyo</p> <p>Iwulu okanye umtya Abafundi</p>

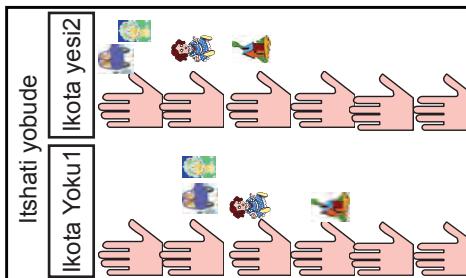
IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki		
ISIHLOKO	<b>1.1</b> <b>Bala izinto</b> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani elingu -4</b> <b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma ku-4 Bala usiya phambili ubale ubuya umva uye kuma ku-4 Bala gentioko ngokungenantsingiselo ukujqala ku-1-7</li> </ul> <p><b>Bethelela u –“ ninzi “no “mbalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye kui- 4</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b> Abafundi mabenze oku:</p> <ul style="list-style-type: none"> <li>- Nqwala intloko amaxesha ama- 4.</li> <li>- Abafundi mababonakalise u- 4 besebenzisa imizimba yabo. Mabaqiniseke ukuba bafuna abafundi aBangaphi.</li> <li>- Abafundi bavala amehlo abo. Utitshala ubetha etafileni amaxesha ama- 4.Abfundi bavula amehlo abo baxele ukuba bave izithonga ezingaphi.Phinda phinda ngamanani u-1 ukuya kwi- 4.</li> </ul>	<b>Izxhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b>  Ilicengcelezo zokubala neengoma Imizimba yabafundi	<b>Ixesha elisondeleyo</b>  Usuku olu-1

IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
1.1 Bala izinto	<p><b>Ukusebenzisa izinto eziphathekayeo ezinokwakheka kuka 3-D</b></p> <p>Abafundi mabenze oku:</p> <ul style="list-style-type: none"> <li>- Yenza u- 4 usebenzisa intlama yokudala.</li> <li>- Khangela abahollo bakhе aba- 4 abanxibe izihlangu.</li> <li>- Khangela izinto ezi- 4 ezingqukuva.</li> <li>- Gquuma amehlo abafundi baze bachonge la manani: 1 ukuya kwi- 4 ngokuvala ngokukhuphela ikhadi lamanani eliviwayo.</li> <li>- Bonakalisa ukugonda amanani ngokuthi abafundi babeke izixhobo zokubala/izinto ezine ngeenddlela ezahlukileyo.umz.</li> </ul>  <p>Intlama yokudala Izinto ezingqukuva Yenza <b>ikhadi lamanani eliviwayo</b> ngokusika amanani kwiphepha lokukhula(sand paper) uze uwancamattheisele kwikhadi-bhodi encinci.Ungawagquma ngeplastiki encamattheelayo ukuze abafundi bakwazi ukwenza amanani omdongwe kula makhadi. Izinto zokubala ezi-4 okanye izinto ezine zomfundi ngamnye.</p> <p>limagazini,ifaya,intengiso Iphepha le A4 neglu</p> <p><b>Umfanekiso wezinto ezi-4</b></p>	<p>Intlama yokudala Izinto ezingqukuva Yenza <b>ikhadi lamanani eliviwayo</b> ngokusika amanani kwiphepha lokukhula(sand paper) uze uwancamattheisele kwikhadi-bhodi encinci.Ungawagquma ngeplastiki encamattheelayo ukuze abafundi bakwazi ukwenza amanani omdongwe kula makhadi. Izinto zokubala ezi-4 okanye izinto ezine zomfundi ngamnye.</p> <p>limagazini,ifaya,intengiso Iphepha le A4 neglu</p> <p>Xa ubala inani lezinto alichatshazelwa bubukhulu,indawo okanye uhlobu olunye.Umz:</p> <ul style="list-style-type: none"> <li>- Lungisa amaqhosha ama- 4, lipensile ezi- 4, izangqa ezi- 4, abafundi aba- 4 nj-nj.</li> <li>- Zibale ezi zinto ngeenddela ezahlukileyo umz. Zibale zithe saa, sisondelene, zisemgenci okanye zibekwe enye phezu kweneye.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Abafundi mabenze oku:</p> <ul style="list-style-type: none"> <li>- Khangela imifanekiso emi- 4 uze uyincamattheisele ephepheni.</li> <li>- Tshatisa inani lezinto namananii amachaphaza akunotsheluza.</li> <li>- Chonga unotsheluza onamachaphaza amane.</li> </ul>	

IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklasi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	<p><b>1.4 Chaza, thelekisa uze ucwangcise amanani</b></p> <ul style="list-style-type: none"> <li><b>Sebenzisa inani elingu-4 kwiimeko eziqheleklileyo</b> <ul style="list-style-type: none"> <li>- Ingaba inani elingu -4 likwenza ucinge ntoni?</li> <li>Imoto- imavili amane</li> <li>Isitilo- imilenze emine</li> <li>Inja- iintupha</li> <li>Itafie - imilenze emine</li> <li>- Ukukhulisa ukukhumbula, khuthaza abafundi ukuba bafunde ngenttoko iiombolo zakumawabo negama lesitalato.</li> </ul> </li> </ul> <p><b>Izinto eziphathekayo ezinokwakheka kuka- 3-D</b></p> <ul style="list-style-type: none"> <li>- Nika ithuba lokudalwa kwemidlalo yamakhadi amanani yiklasi yonke.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Bonisa ikhadi elinesimboli yenani u- 4</li> </ul> <p>Dlala inimidlalo efana nale:</p> <ul style="list-style-type: none"> <li>- Ukuba inombolo yendlu yakokweni unenani elingu-4, qhwaba ka-4.</li> <li>- Khangela umhlobo wakho onenombolo yendlu efanayo neyakokwenu. (Abafundi mababuzane iiombolo zamakhaya abo)</li> <li>- Ngubani onenombolo yakokwabo enamanani angaphezulu kwe-4?</li> <li>- Bonisa abafundi unotsheluza onamachaphaza amane.</li> <li>- Chonga unotsheluza onemifanekiso emine.</li> </ul>	<p><b>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p>Usuku olu-1-1</p> <p>Iidilesi zamakhaya abafundi</p> <p>Abafundi</p> <p><b>4</b></p> <p>Imidlalo yamakhadi amanani nokuba yeypini na.</p> <p><b>Umfanekiso wezinto ezi-4</b></p>  <p>Oonotsheluza abanemifanekiso namachaphaza ama -4</p>

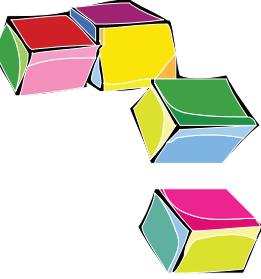
IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba li setyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISILOKO	<p><b>Amanqaku angcaciso</b></p> <p><b>• Ukuphononnga amathuba okwakha ngeeblisko</b></p> <p>Abantwana mabenze oku:</p> <ul style="list-style-type: none"> <li>- Sebenzisa iibhloko ezi-4 ukwakha isakhiwo sakho.</li> <li>- Yakhha isakhiwo esineebhloko ezintathu ukunyuka neebhloko ezi-5 ukunqamleza.</li> <li>- Sebenzisa iibhloko kangokuba befuna ukwakha uloliwe.</li> <li>- Chonga ukuba ngowuphi umtu owakhe oyena loliwe mde.</li> <li>- Yakhha isakhiwo esiphekamileyo.</li> <li>- Chonga ukuba ngubani owakhe esona sakhivo siphakamileyo.</li> <li>- Nika abafundi iibhloko zokwakha ngexesha lokudlala ukuze bakwazi ukuqhubebeka behlola iibhloko zokwakha.</li> </ul> 	<p><b>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p> <p>libhloko zokwakha umz.</p> <p>Usuku olu-1</p>
3.2 Izinto ezinokwakheka kuka 3-D	<p><b>• Khulisa ukukwazi ukohulu phakathi kweemilo kwizinto ezisingqongileyo,</b> ngaphandle kobukhulu, okanye ubungakanani be-eengile.</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p>Yahlula abafundi babe ngamaqela ama-3:</p> <ul style="list-style-type: none"> <li>- Lalani phantsi niye nenze unxantathu ngemizimba yenu. Yalatha ukuba noxa umxantathu weqela unemilo eyahlukileyo kweilinye yelinye igela, imilo iseyileyo kanxantathu.</li> <li>- Utitsihala uzoba oonxantathu abohlkileyo phantsi/emhlabenii umz.</li> </ul> 	<p><b>Khetha umsebenzi</b> ube myne osebenzisa ukufunda usebenzisa intshukumo yomzimba, eziphathekayo nemifanekiso</p> <p>Usuku olu-1</p> <p>Abafundi</p> <p>Amasebe as-7 omfundi ngamnye</p>

IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe
3.2 Izinto ezinokwakheka kuka 2-D	<ul style="list-style-type: none"> <li>- Sebenzisa amasebe ukwenza umgca ogoso.</li>  </ul> <p>- Sebenzisa amasebe ukwenza uzigizegi.</p>  <ul style="list-style-type: none"> <li>- Sebenzisa amasebe ukwenza unxantathu.</li>  </ul> <p>- Yalatha ukuba oonxantathu babamntwana abafani kodwa ke imilo iseyileyo kanxantathu.</p> <p><b>Ukusebenzia iimilo ezinokwakheka kuka 2-D okanye iimifanekiso</b> Utishala uzoba kunotsheluza izangqa, oonxantathu nezikwere ezi-5 ezahlukileyo, umz</p>  <p>Amakhadi anezangqa, oonxantathu nezikwere ezi-5 ezahlukileyo.</p> <p>Utishala wohluha abafundi babe ngamaqela. Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Nakana oonotsheluza bakanxantathu phakathi kwezinye iimlo.</li> </ul>	Ixesha elisondeleyo

IVEKI YE-16	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo
ISIHLOKO	<b>4.2</b> <b>Ubude</b> <p><b>Amanqaku angcaciso</b></p> <p><b>Theleksisa ngokwenza uze ucwangcise izinto usebenzisa lsigama esifanelekleyo</b></p> <p><b>ukuchaza ubude.</b></p> <ul style="list-style-type: none"> <li>- de, futshane,</li> <li>- ndana, mftshanaganana,</li> <li>- eyona inde, eyona imfutshane,</li> <li>- futshane, mftshanaganana, eyona imfutshane,</li> <li>- de, ndana, eyona inde</li> <li>- inde, imfutshane,</li> <li>- indana, mftshanaganana,</li> <li>- eyona inde eyona imfutshane</li> </ul> <p><b>Bethelela ubude</b></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p>Ema kwensiwe ngabafundi:</p> <ul style="list-style-type: none"> <li>- Hlola ubude ngokuthi uthelikise ubude bezinto, kwenye.</li> <li>- Qonda ukuba yeyiphi eyona nto iyeyona inde okanye eyona imfutshane.</li> <li>- Telekisa ubude babafundi ababini uze uchonge ukuba ngowuphi umfundsi omfutshane ingowuphi ornde.</li> <li>- Theleksisa ubude babafundi abaninzi kunesibini uze ubuze le mibuzzo "ngowuphi oyena mftshane, ngowuphi oyena mfundi mde.</li> <li>- Utishala uthatha umlinganiselo wabafundi esebenzisa itshati yobude ebeyisebenzisa kwikota yoku- 1.</li> <li>- Utishala ushiya imibhalo yekota edilulileyo apho abhale khona imilinganiselo yabantwana (izandia /isimboli zabantwana) ukuze bakwazi ukuthelikisa imilinganiselo emibini.</li> <li>- Abafundi bafumanisa ukuba ingabba bakhulile ukusuka kwikota yoku- 1.</li> <li>- Ngubani ongakhangue akhule?</li> <li>- Ngubani okhule kakhulu ukusuka kwikota yoku- 1? umz <ul style="list-style-type: none"> <li>o USipho ukhule ngesandla esinye</li> <li>o Ubude buka Abby buyinto enye.</li> </ul> </li> </ul>	<p>Izxhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p>  <p>Usuku olu-1</p>	

IVEKI YE- 17	<p>Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhotkelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki</p>		
ISILOKO	<p><b>1.1</b> <b>Bala izinto</b></p> <ul style="list-style-type: none"> <li><b>Bethelela ulwazi alufumeneyo ngentsingiselo yenari u-4</b> <b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma ku-4 Bala usiya phambili, ubale ubuya umva uye kuma ku-4 <b>Bethelela u –“ ninzi “no “mabalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye ku-4</li> </ul>	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p>	<p><b>Ixesha elisondeleyo</b></p> <p>Usuku olu-1</p> <p>lingoma zamanani nezicengcelezo</p>
	<p><b>Ukufundura usebenzisa intsnukumo yomzimba</b></p> <p>Abafundi:</p> <ul style="list-style-type: none"> <li>Bhala u- 4 emoyeni usebenzisa umnwe</li> <li>Cula ingoma umz. “amahotyazana mane emthini.....</li> <li>Jikajika amaxesha ama- 4</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Abafundi mabakhlise ulwazi lwabo lwamanani ngoku:</p> <ul style="list-style-type: none"> <li>Zoba u-4 esantini.</li> <li>Khangela izinto ezinokwakhaka kuka 3-D ezikwazi ukuqengqeleva.</li> <li>Yakhha lipazilli usebenzisa iziclwii zephazili ezi- 4.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Utitshala ukhetha amagama ama- 4 konootsheluza.Utitshala ubonisiga igama ngokukhawuleza aze enze njalo abonise umfanekiso wesilwanyana okanye into yokudlala.</li> <li>Umfundi obekhethiwe ngokuthi kuboniswe igama lakhe ngokukhawuleza uyaelwa ukuba enze ingxolo eyenziwa yiloo nto yokudlala.</li> <li>Phinda phinda ude uborise onke loo magama.</li> <li>Buza ukuba mangaphi amagama abafundi abonisieweo.Zingaphi izinto zokudlala// izliwanyana abazibonileyo.</li> </ul>	<p>Itreyi yokubhaka emcabalibhokisi yesanti Izinto ezinokwakhaka kuka 3-D ezikwazi ukuqengqeleva. Izcwili zepazili ezi- 4</p>	<p>Amakhadi anemifanekiso ezinto zokudlala.</p> <p>Amakhadi anemifanekiso ezilwanyana</p>

IVEKI YE- 17	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
ISIHLOKO	<p><b>1.3</b></p> <p><b>lisimboli zamanani kunya namagama amanani</b></p> <ul style="list-style-type: none"> <li>Yazi liisimboli zamanani uze uqaphelle igama lenani elingu-4 <b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma ku-4 Bala usiya phambili, ubale ubuya umva uye kuma ku-4</li> </ul> <p><b>Bethelela u –“ ninzi “no “mbalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA Qhwaba izandla amaxesha ambalwa.Utitshala uqhwaba aye ku -4</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Bhala inani u-4. emoyeni, phantsi, emqolo kumhlobo wakhe.</li> <li>Phakamisa iminwe emi-4.</li> <li>Utitshala ubetha igubu.Xa igubu liyeka abafundi bazahlula ngokwamaqela amane.</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Bonisa abafundi unotsheluza onesimboli ka-4.</li> <li>Chonga igama lenani kunotsheluza.</li> <li>Tshatisa igama lenani nenani ellingsanayo lezinto.</li> </ul>	<p>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</p> <p>lingoma zamanani nezicengcelezo</p> <p><b>4</b></p>	<p>Usuku olu-1</p> <p><b>ne</b></p>

IVEKI YE- 17	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo
ISIHLOKO  1.7 Ukudibana nokuthabatha	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe</b></p>  <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. Utitshala ukunika iibhloko ezi-2 ube wena uneebhlоко ezi-2.Zingaphi iibhloko onazo ngoku?</li> <li>2. Ukuba unezagangqa ezibhlouw ezi-2 nezagangqa ezi-2 ezibomvu, zingaphi izangqa zakho zizoneke?</li> <li>3. USipho uneekhrayoni ezi-4, ujjoy uneekhrayoni e-1. Ngubani onekhrayoni ezinanzi?</li> <li>4. Ukuba ujonga unoondoli aba-4 aze alahlekewle ngundodli o-1.Bangaphi oonodoli abashiyekileyo?</li> </ol> <p>Hlula abafundi babe ngamaqela.</p> <ul style="list-style-type: none"> <li>- Nika iqela ngalinye izinto ezinanzi umz lipensile,ikhrayoni,iiikomity,ijimilo.Abafundimababelane ngezintio kumaqela onke (ungqirelwano lwamanani)</li> <li>- Buza imibuzo efana nale: "Ingaba zikhona izinto ezishiyekileyo?" (Utitshala uqinisekisa ukuba kukho inani elininzi lezinto kunenani labafundi) Susa ezinye izinto ukubonisa ukwabelana ngokulinganayo</li> </ul>	<p><b>Ixesha olu- 1</b></p> <p><b>Ixesha elisondeleyo</b></p>

IVEKI YE- 17	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutishala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo	Ixesha elisondeleyo									
ISIHLOKO	<p><b>1.4 Chaza, thelekisa uze uhlele amanani</b></p> <ul style="list-style-type: none"> <li>Cwangcisa uze uthelkise ingqokelela yezinti usebenzisa u ngaphezelu kune, ngaphantsi kune, lingana ne ukuya kwinani elingu-4.</li> </ul> <p>Hlula abafundi ngokwamaqela:</p> <ul style="list-style-type: none"> <li>Utitshala unika iqeta ngallinye izixhobo zokubala ezi-4 nezijungqe zewulu ezi-2.</li> </ul> <p>Amaqela mawenze oku:</p> <ul style="list-style-type: none"> <li>Ylla izangqa ezibini (iiset) ngewulu.</li> <li>Ngokomyalelo katitshala babeke izixhobo zokubala kwiseti nganyeu.</li> <li>Amalungu eqela achonga iseti enezinto zokubala ezininzi kune (ngaphezelu kune)</li> <li>Sesiphi isangqa esinezinto zokubala ezingaphantsi kunesinye. (ngaphantsi kune)</li> <li>Sesiphi isangqa esinenani eilinganayo nesinye isangqa? (lingana ne)</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Lungisa iseti yamakhadi emifanekiso ngendelia efanelekileyo umz</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Umfanekiso wento e-1</td> <td>Umfanekiso wezinto e-2</td> <td>Umfanekiso wezinto-3</td> <td>Umfanekiso wezinto-4</td> </tr> </table> <p>Lungisa iseti yamakhadi amachaphaza ngendelia efanelekileyo umz.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>- Buza imibuzo efana nale "Leliphi ikhadi elinezinto/amachaphaza amaninzi?"</p> <ul style="list-style-type: none"> <li>- Leliphi inani eilingaphezelu kwe -2 nj-nji.</li> </ul>	Umfanekiso wento e-1	Umfanekiso wezinto e-2	Umfanekiso wezinto-3	Umfanekiso wezinto-4					Ilixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Ilixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe	Usuku olu-1
Umfanekiso wento e-1	Umfanekiso wezinto e-2	Umfanekiso wezinto-3	Umfanekiso wezinto-4									

IVEKI YE- 17	Ixesha lokufundisa ekucetyliswa into yokuba lisetyenziswe: Iplani ekhokelwa ngutitsala enemisebenzi yeklassi eyimizuzu engama 30 ngosuku (5 ezemisebenzi ye mathematika ngeveki	Ixesha elisondeleyo						
ISIHLOKO	Amanqaku angcaciso	Izixhobo zokufundisa ekucetyliswa ukuba zisetyenziswe						
5.1 Qokelela uze uhlele izinto	<ul style="list-style-type: none"> <li><b>Khulisla Indlela yokusebenza ngolwazi oluqqekelelweyo</b> Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D           <ul style="list-style-type: none"> <li>- Abafundi mabaqokelele amasebe ali-9.</li> <li>- Hlela amasebe ngokobuncinci nobukhulu.</li> </ul> </li> </ul>	Usuku olu-1						
5.2 Bonisa ingqokelela yezinto ezihleliweyo	<p><b>Zoba igrafu ukubonisa ulwazi</b> limilo ezinokwakheka kuka 2-D okanye imifanekiso</p> <ul style="list-style-type: none"> <li>- Yenza igrafu yemifanekiso enamasebe.</li> <li>- Abafundi babeke amasebe kwigrafu yemifanekiso ngokobungakanani-ncinci/inkulu.</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Amasebe amancinci</td> <td>Amasebe amakhulu</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>3</td> </tr> </table>	Amasebe amancinci	Amasebe amakhulu			5	3	<p>Iphepha lokufunda legrafu yemifanekiso. Utishata uyilela abafundi iphepha lika A4 elinemiqolo efanelekileyo.</p>
Amasebe amancinci	Amasebe amakhulu							
5	3							
5.3 Xoxa uze unikezele ingxelo ngezinto ezihleliweyo	<b>Funda uze utolike igrafu</b> Thetha ngeziphumo ngokubuza imibuzzo umz. Mangaphi amasebe amancinci? Mangaphi amasebe amakhulu? Ngawaphi awona maninzi/mbala?							

Iveki ye- 18	Ixesha Lokufundisa Elicetyisiwyo : Umsetyenzana omnye weplan iekhokelwe ngutitshala (isangqa) owe ± 30 imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)		
Ishloko	Amanqaku angcaciso	Izixhobo zokufundis aekucetyliswa ukuba zisetyenziswe	Ixesha elisondeleyo
1.1 Bala izinto	<ul style="list-style-type: none"> <li>Bethelela ulwazi olufunyenwe kuquikwa amanani 1, 2, 3 no -4</li> </ul> <p><b>Ngomlomo:</b> bala izinto zemihla ngemihia ukuya ku-4 Bala usiya phambili, ubale ubuya umva ukuya ku-4</p> <p>Ukubala ngentloko ngokungena ntsingisel 1-7</p> <p><b>Bethelela isigama ‘ninzi’ no “mbalwa”</b></p> <p>Qhwaba izandla kaninzi ..... YIMA</p> <p>Qhwaba izandla kambalwa. Utitsuala uqhwaba ka- 4.</p> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>Cinezele inani-1 esibhakabhakeni besebebenzisa iminwe.</li> <li>Abafundi mababambe iintloko zabo kabini.</li> <li>Babambe izandla nabanye abafundi abane.</li> <li>Vala amehlo abafundi uthi mabachonge amanani 1-4 ngokulandela abakuwayo xa becinezela koonetsheluza bamagama</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>Zobe inani lokugala esantini.</li> <li>Fumane u-3 kwizinto ezifanayo.</li> <li>Xhuma-xhuma endaweniinye kabini.</li> <li>Yakha iiphazili ngezijungqe ezi-4 nangaphezulu.</li> </ul>	<p>lingoma zamanani neemvano-siphelo</p> <p>Itreyi /ibhokisi enesanti</p> <p>Iseti yonootsheluza bamagama (likhadi zamanani)</p>	Usuku olu- 1
1.11 Imali	<ul style="list-style-type: none"> <li>Ukunakana nokuchongai imali ezinkozo/umwangalala yaseMzantsi Afrika</li> <li>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</li> </ul> <p>- Yenza abafundi baqonde imifanekiso eyahlukileyo yezilwanyana nezityalo emalini ezinkozo.</p> <p>- Ukubeketeleka kwemali kungasetyenziswa kwilkona yeZakhono zoBomi apho abafundi banokudlala khona ivenkile. Ngomdalo abafundi baphiothe iindidi zemali ezinkozo.</p>	<p>5c, 10c, 20c, 50c, R1,00, R2,00 and R5,00 imali ezinkozo (imali yokudlala okanyi imali yakwenyani)</p>	Usuku olu- 1

Iveki ye- 18	Ixesha Lokufundisa Elicetyisiwyo : Umsetyenzana omnye weplan iekhokelwe ngutitshala (isangqa) owe $\pm$ 30 imizuzu ngosuku ( $\pm$ 5 imisetyenzana yeMathematika ngeveki)	Ixesha elisondeleyo
Ishloko	Amanqaku angcaciso	Izxhobo zokufundis aekucetyliswa ukuba zisetyenziswe
1.7 Ukudibanisa nokuthabatha	<p><b>Ukusombulula izibalo zokudibanisa nezokuthabatha ezichazwe ngomlomo ukuya ku-4</b></p> <p><b>Ngomlomo:</b> bala izinto zemihla ngemihla ukuya ku-4 . Bala ukuya phambili, ubale ukubuya umva ukuya ku-4 . Ukubala gentioko ngokungenantsingiselo 1-7</p> <p><b>Bethelela isigama ‘ninzi’ no “mbalwa”</b></p> <p>Qhwaba izandla kaninzi ..... YIMA</p> <p>Qhwaba izandla kambalwa. Utitshala uqhwaba ka- 4. <b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p><b>Imizekelo:</b></p> <ul style="list-style-type: none"> <li>- Utitshala ubizela umfundsi phambi kwekasi. Aphinde abize abanye abathathu. Ubize abafundi aBangaphi xa bebonke?</li> <li>- Utitshala upakisha izinto zokubala ezithathu. Wongeza enye. Zingaphi izinto zokubala eziphezu kwetafile?</li> <li>- Abafundi bama phambi kweklasi. Utitshala ucela umfundsi omnye ahiale phantsi. Bangaphi abafundi abaphambi kweklasi ngoku?</li> <li>- UBusi uneepensile ezi- 4. Unika uWeilie iipensile ezi-2. UBusi ushiyyeke neepensile ezingaphi?</li> </ul>	<p>Usuku olu- 1</p> <p>lingoma zamanani neemvano-siphelo</p> <p>Abafundi Izinto zokubala lipensile</p> <p>Sebenzisa iindidi ngeendidi zezixhobo ukukunkika amacebo okusebenzisa iindie la ezahlukileyo zokufundisa.</p>

Iveki ye- 18	Ixesha Lokufundisa Elicetyisiwyo : Umsetyenzana omnye weplanı ekhokelwe ngutitshala (isangqa) owe $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)	Ixesha elisondeleyo																
Ishloko	<p><b>1.4 Chaza, thelekisa uze ulandelelanise amanani</b></p> <ul style="list-style-type: none"> <li>Landeleinisa uthelekise ingqokelela zezinto ngokusebenzisa “ninzi kune, mbaawa kune” no “lingana ne” ukuya kwinani lesi-4.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>Utitshala unika ilungu ngalinye leqeja inani elithile leekhrayoni.</li> <li>Amalungu eqela makachonge oyena mfundi oneekhrayoni ezinini kwezabanye.</li> <li>Ngowuphi umfundsi oneekhrayoni ezimbawla kunezabanye ?</li> <li>Ngabaphi abafundi abanamananai alinganayao eekhrayoni ?</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-Dlimifanekeiso</b></p> <ul style="list-style-type: none"> <li>Cwangcisa iliseti zoonotsheluza bamanani aqua amanani 1-5 ngokulandelelana, umzekelo,</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">5</td> <td></td> <td></td> <td></td> </tr> </table>									1	2	3	4	5				<p>Izxhobo zokufundis aekucetyliswa ukuba zisetyenziswe</p> <p>Usuku olu- 1</p> <p>Oonotsheluza bamanani namachaphazza</p> <ul style="list-style-type: none"> <li>Buza imbuzo efana noku “ngabaphi oonotsheluza abanezinto eziminzi ?”</li> <li>Leliphi inani elikhulu kune-2 ? njalo njalo,</li> </ul>
1	2	3	4															
5																		

Iveki ye- 18	Ixesha Lokufundisa Elicetyisiweyo : Umsetyenzana omnye weplan iekhokelwe ngutitshala (isangqa) owe $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)	
Ishloko	Amanqaku angcaciso	Ixesha elisondeleyo
2.1 Ipateni zejiyometri	<ul style="list-style-type: none"> <li>• <b>Khuphela ugqibezele ipateni enikiweyo ngemali ezinkozo/mwangalala.</b> <ul style="list-style-type: none"> <li>- Utitsihala useta ipateni esebenzisa “imali yokudlala” , umzekelo, 5c, 5c, 5c, 10c, 10c, 10c,20c, 20c, 20c</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Khuphela iipateni ezininzi eziylwe ngutitshala.</li> </ul> <b>Gqibezele ipateni enikiweyo</b> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Gqibezele iipateni ezininzi eziylwe ngutitshala, umzekelo, <ul style="list-style-type: none"> <li>o 5c, 5c, 10c, 10c,.....</li> <li>o 5c, 10c,.....</li> <li>o 10c, ,20c.....njaio njalo</li> </ul> </li> </ul> </li> </ul>	Izxhobo zokufundis aekucetyliswa ukuba zisetyenziswe Usuku olu- 1 Imali yokudlala okanye imali yokwenyani (5c,10c,20c) Usuku olu- 1

<b>Iveki ye- 19</b> <b>Ishloko</b>	<b>Ixesha lokufundisa elicetyisiweyo:</b> <b>Umsetyenzana omnye weplani ekhotokelwe ngutishala (isanqa) owe ± 30 imizuzu ngosuku (± 5 imisetyenzana yeMathematika ngeveki)</b>	<b>Ixesha elisonddeleyo</b> <b>Ixihibo zokufundis aekucetyiswa ukuba zisetenziswe</b>	
<b>1.1</b> <b>Bala izinto</b>	<ul style="list-style-type: none"> <li><b>Bethelela ulwazi olufunyenweyo oluquka amanani 1, 2, 3 no 4.</b></li> </ul> <p><b>Ngomlomo I:</b> bala izibali zemihla ngemihla ukuya ku-4. Bala ukuya phambili, ubale ukubuya ukubuya umva ukuya ku-4. Ukubala ngentloko okungenantsingiselo 1-7 <b>Bethelela “ninzi” no “mbalwa” .</b> Qhwaba izandla amaxesha amaninzi .....YIMA .</p>	<p><b>Ixihibo zokufundis aekucetyiswa ukuba zisetenziswe</b></p> <p>lingoma zamanani neemvano-siphelo.</p>	<p>Usuku olu- 1</p>
<b>1.16</b> <b>Izibalo zentloko</b>	<p><b>Utitshala usebenzisa intshukumo yomzimba</b></p> <p><b>Utitshala uphakamisa unotsheluza wamanani onenani elingu-3 athi kubafundi:</b></p> <ul style="list-style-type: none"> <li>- Ndidingga amakhwenke alinanii elithile.</li> <li>- Ephakamise inani- 2 esithi, ndidingga inani lamantombazana alinanii elithile.</li> <li>- Yakhani amaqela (ephakamise inani-2).</li> <li>- Phinda umsetyenzana ngoonotsheluza abanenani ku-1-4</li> </ul>	<p><b>3</b></p> <p><b>Iseti yoonotsheluza bermifanekiso namachaphaza ukusuka ku1-4</b></p>	

Iveki ye- 19	Ixesha lokufundisa elicetyisiweyo: Umsetyenzana omnye weplani ekhokkelwe ngutitshala (isanqa) owe $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)	Ixesha elisonddeyo
Ishloko	Amanqaku angcaciso	Izixhobo zokufundis aekucetyliswa ukuba zisetyenziswe
1.16	<p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Izibalo zentloko</p> <ul style="list-style-type: none"> <li>- Utitshala uqhawaba ngesinqisho ngokucotha ukubonakalisa inani. Abafundi mabakhuphe amaso alingana nelo nani bawbonise, umzekelo, amaso a-4.</li> <li>- Abafundi mababeke amaso a-1, 2, 3 okanye 4 phambi kwabo.</li> <li>- Abafundi mababonise ukuba mangaphi amaso abanayo ngokuwattelekisa nonotsheluza, umzekelo, amaso a-4 nenani -4.</li> <li>- Mabakhangele omnye umfundi onenani elifanayo lamaso.</li> </ul> <p><b>Ukusebenzisa liimilo ezinokwakheka kuka 2-D/imfanekiso</b></p> <p>Utitshala uphakamisa unotsheluza wamanani enziwe ngamachaphaza wenani - 2 abuze kubafundi:</p> <ul style="list-style-type: none"> <li>- Mangaphi amachaphaza kulo notsheluza?</li> <li>- La machaphaza amele eliphi inani?</li> <li>- Leiphi inani elian dela elii?</li> <li>- Mababale elonani lamachaphaza emaphepheni abo.</li> </ul>	<p>Amaso ama-4 kumfundti ngamnye</p> <p>Oonotsheluza bamanani 1,2,3 no 4</p> <p>Oonotsheluza bamanaphaza</p>

Iveki ye- 19	Ixesha lokufundisa elicetyisiweyo: Umsetyenzana omnye weplani ekhokelwe ngutitshala (isanqa) owo ± 30 imizuzu ngosuku (± 5 imisetyenzana yeMathematika ngeveki)	Amanqaku angcaciso	Ixixhobo zokufundis aekucetyliswa ukuba ziseteyenziswe	Ixesha elisonddeleyo
Ishloko	<p><b>1.7</b></p> <p><b>Ukudibanisa nokuthabatha</b></p> <p>Ukufunda usebenzisa intshukumo yomzimba</p> <ul style="list-style-type: none"> <li>- Bizela abafundi abathathu ngaphambili. Babale.</li> <li>- Biza omnye umfundu. Bangaphi xa bebonke? 3 no 1→4 (untathu nonye banika 4)</li> <li>- Buyisela abafundi aba -3 emva ekhapethni. Bangaphi abafundi abakhoyo ngoku? 4 thabatha 3→1</li> </ul> <p>Yohlula abafundi ngokwamaqela.</p> <p>Buza imibuzo efana nale:</p> <ul style="list-style-type: none"> <li>- Zingaphi iimpumio ozibonayo eqeleni lakho?</li> <li>- Mingaphi imilomo?</li> <li>- Mingaphi imizimba:</li> <li>- Kubafundi ababini, mangaphi amehlo?</li> <li>- Kubafundi ababini, mingaphi imilenze?</li> </ul> <p><b>Ukusebenzisa Izinto eziphathekayo ezinokwakheka kuka 3-D:</b></p> <ol style="list-style-type: none"> <li>1. Utata kaLindiwe unemoto. Mangaphi amavili akulo moto?</li> <li>2. Xa kuphantishe ivili eliny lakhutshwa emotweni, kushiyeka amavili amangaphi?</li> <li>3. Inkukhu inamantshontsho ama- 4. Ama- 2 alahleka. Mangaphi akhoyo enkukhwini?</li> <li>4. Isikhukukazi sifumana amantshontsho aso ebelahelekile. Sinamantshontsho amangaphi ngoku?</li> </ol>	<p>• <b>Ukusombulula izibalo zokudibanisa nokuthabatha ngomlomo nezisombululo ukuya ku-4</b></p> <p>Izinto zokubala</p> <p>Sebenzisa iindidi zezihobo ukwazi ukuba namava okusebenzisa iindlea ezinhinzi zokufundisa.</p>	<p>Ukusombulula izibalo zokudibanisa nokuthabatha ngomlomo nezisombululo ukuya</p> <p>Izinto zokubala</p>	<p>Usuku olu- 1</p>

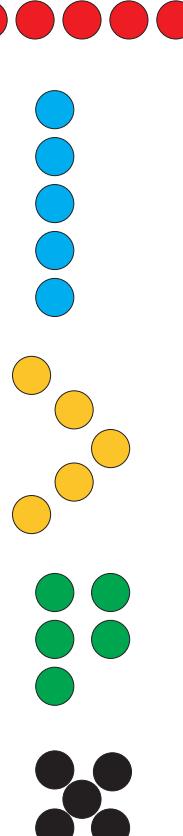
Iveki ye- 19	Ixesha lokufundisa elicetyisiweyo: Umsetyenzana omnye weplani ekhokelwe ngutishala (isanqa) owe $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)	
Ishloko	Amanqaku angcaciso	Ixesha elisonddeleyo
1.4 <b>Chaza, thelekisa uze ulandelelanise amanani</b>	<ul style="list-style-type: none"> <li>Landelelanisa uthelikise iingqokellela zezinto ngokusebenzisa “ninzi kune, ncinci kune” ne “lingana ne” kwinani -4</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utishala ubeka iindi zeezinto phezu kwetafile, umzekelo, iikhrayoni ezimbini, iibhloko ezi-4 ezifanayo, iinkonkxa ezi-3, iincwadi ezi-2.</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Bale inani leekhrayoni neenkonkxa. Ingaba iikhrayoni zininzi kuneenkonkxa?</li> <li>- Bale inani leebloko neleencwadi. Ingaba iibhloko zimbawa kuneencwadi? Ingaba iibhloko zininzi kuneencwadi?</li> <li>- Bale inani leencwadi neleekhrayoni. Ingaba ayalingana amanani ezinto okanye hayi?</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Abafundi mabahiale ekhaphethini bankwe inani lezinto zokubala umfundi ngamnye.</li> <li>- Umfundu ngamnye makabe nenani elahlukileyo lezinto zokubala.</li> <li>- Abafundi mababeke izinto zokubala phambi kwabo. Utitshala ubuza abafundi: <ul style="list-style-type: none"> <li>○ Ngoobari abanezinto zokubala ezinanzi?</li> <li>○ Ngoobari abanezinto zokubala ezimbala?</li> <li>○ Ngoobari abanezinto zokubala ezilinganayo?</li> </ul> </li> </ul>	Usuku olu- 1
3.3 <b>Izinto ezinokwakhaka kuka 2-D</b>	<ul style="list-style-type: none"> <li>Nakan, chonga, uchaze imilo ezinokwakhaka kuka 2-D eklassini nakwimifanekiso</li> <li>Yila ugqibe iphazili yezijungqe ezi- 4 (Nxiobelanisa noBuchule boKubonwayo)</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Zobe umfanekiso ephepheni le A4.</li> <li>- Utishala uzoba imigca emva komzobo womfundu.</li> <li>- Umfundu usika umfanekiso kwimigca ebonisiweyo.</li> <li>- Umfundu ugqibelzela/wakha eyakhe iphazili.</li> </ul>	Usuku olu- 1

Iveki ye- 19	Ixesha lokufundisa elicetyisiweyo: Umsetyenzana omnye weplani ekhokkelwe ngutitshala (isanqa) owe $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisetyenzana yeMathematika ngeveki)	Ixesha elisonddeyo
<b>Ixesha</b>	<p><b>4.1</b></p> <p><b>Amanqaku angcaciso</b></p> <ul style="list-style-type: none"> <li><b>Yakha ukuqwaa selia okwenzekayo phakathi kwesidlo sasebusuku nexesha lokulala</b> (Nxulumanisa nezihloko zolwazi olusisiseko kwizakhono zoBomi)</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Thetha ngabalkwenzayo emva kwesidlo sasebusuku.</li> <li>- Thetha ngokwenzekayo emakhayaa emva kwesidlo sasebusuku.</li> </ul> <p>Utitshala ubuza:</p> <ul style="list-style-type: none"> <li>- " Uza esikolweni ekuseni okanye ebusuku?"</li> <li>- Ukuba uNcedo ufika esikolweni emva kokukhala kwentsimbi, ufike emva kwexesha okanye phambi kwexesha?</li> <li>- Ilanga libaphi ebusuku?"</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Abafundi bazoza umfanekiso ukubonisa nayiphi into eyenzeka emva kwesidlo sasebusuku.</li> <li>- Nika iiphazlili ezibonisa ukulandelana kweziganeko/imisebenzi.</li> </ul>	<p><b>Izhoho zokufundis aekucetyliswa ukuba zisetyenziswe</b></p>   <p>Imifanekiso ebonisa okwenzekayo ukusuka ngexesha lesidlo sasebusuku ukuya kwixesha lokulala.</p> <p><b>Iphepha neekhrayoni</b></p>

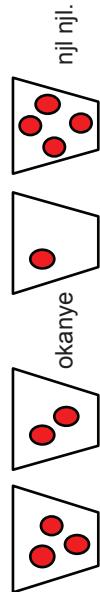
<b>Iveki yama- 20 Sebenzisa iiveki yama- 20 ukuhoya izithinteli kufunda</b>		
<b>Umxholo</b>	<b>Ishloko</b>	<b>Indlela zokuhola</b>
<b>Amanani, ii-opareyishini noLwalamano</b>	<b>1.1 Bala izinto</b>	<p>Qikelela nokubala ngentloko ngokungenantsingiselo ukuya ku-7 (ingoma zamanani nezengcelezo eziquka ukukhulisa ingiqo yamanani)</p> <p>Bala ubuya umva nokubala usiya phambili (1-4)</p> <p>Qonda iingqiqo “ninzi no mballwa” (ukughwaba)</p> <p>Nakana amanani kwimeko eziqhelekileyo, umzekelo, inani lendlu, idlesi</p> <p>Chonga imifanekiso yamanani namakhadi anamachaphaza</p> <p>Zazi iiisimboli zamanani 1, 2, 3 ,4</p> <p>Nakana amagama amanani u-bini, ntathu kunye no-ne</p> <p>Qonda ukuhambelana kwamanani (Ithathi yabancedisi ngexesha lokutya)</p> <p>Yahlula phakathi kuka ninzi, ncinci, lingenayo, ninzi nombalwa ukuya ku-4</p> <p>Nakana iindidi zemali ezinkozo zaseMzantsi Afrika</p>
	<b>1.6.</b>	<p>Sebenzisa izixhobo ezibonakalayo</p> <p>Chaza iingcinga zakho ngamagama nangemizobo okanye izinto ezibonakalayo</p>
	<b>Ubuchule/Indlela zokusombulula iingxaki zezibalo</b>	Sombulula iingxazi zokudibanisa nokuthabatha ngomlomo
	<b>1.7.</b>	
	<b>Ukudibanisa nokuthabatha</b>	Kopa, yandisa, uze uyile lipateni zakho (izinto, imilo nemali yenkozo)
<b>lipateni neefankshini</b>	<b>2.1. lipateni zejiometri</b>	

			<b>Iveki yama- 20 Sebenzisa iiveki yama- 20 ukuhoya izithinteli kufunda</b>
<b>Umxholo</b>	<b>Ishloko</b>	<b>lindlela zokuhlo</b>	
<b>Isithuba nemilo (Ijiometri)</b>	<b>Indawo-bume,ukufumana indawo nembonakalo</b>	<b>Qonda indawo-bume yenzinto ezimbini nangaphezulu ngokunxulumene nomfundi ngaphezulu ,ngaphantsi</b>	
	<b>3.1.</b>	<b>Yakha iphasilii ubuncinane ezili-12</b>	
	<b>3.2.</b>	<b>Bonakalisa ulwazi lokwahlu phakathi kwezinto ezingaphambili nezingasemva (phinda uhlole)</b>	
		<b>Nakana, chonga uxele oonxantathu</b>	
		<b>Qonda imilo kanxantathu (ukuqonda iimilo)</b>	
	<b>3.2</b>	<b>Thelekisa yeyphi kwezimbini ezinikiyeo iingqokelela yezinto ezinde,ezindana; mfutshane/ mfutshanana</b>	
	<b>.Izinto ezinokwakhaka kuka 3-D</b>	<b>Hlela izinto ngokobukhulu- ubude nobufutshane</b>	
		<b>Imibala -(bomvu, mthumbi, bhlowu noluuhaza)</b>	
		<b>Imilo</b>	
		<b>Sebenza ngobuchule ngeebhloko ezakhayo</b>	
	<b>3.4</b>	<b>Nakana umgca wolingano- macala kuye nakokumngqongqileyo</b>	
	<b>Ulingano- macala</b>	<b>Ukukwazi ukuwela umgca ophakathi</b>	
<b>Umlinganiso</b>	<b>4.1</b>	<b>Qonda iintsuku zevelki, amaxesha onyaka netshati yemozulu (iingoma nezicengcelezo – phinda uhlole)</b>	
	<b>Ixesha</b>	<b>Yazi usuku lwakhe lokuzzalwa (phinda uhlole)</b>	
	<b>4.2</b>	<b>Ukwahlula phakathi kweyona inde, eyona imfutshane, endana, emfutshana (callula) izinto rgongophawu oluye Ubude</b>	
<b>Ukusebenza ngolwazi oluqokelweyo.</b>	<b>5.1</b>	<b>Ukwazi ukuqokelela, ukuhlela, ukuzoba, ukufunda nokubonisa (callula) izinto rgongophawu oluye Qokelela uze uhlele izinto</b>	
	<b>5.2</b>	<b>Bonisa ingqokelela yezinto ezheliweyo</b>	
	<b>5.3</b>	<b>Xoxa uze unike ingxelo ngengqokelala yezinto ezheliweyo</b>	

IKOTA YESI- 3 IMATHEMATIKA ISIGABA SABAQALAYO					
Iveki yama - 21	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi weklasi okhokelwe yitishala (isanqa) ye $\pm 30$ imizuzu ngosuku ( $\pm 5$ imisebenzi yeMathematika ngeveki)	Ixesha elisondeleyo	Ixesha elisondeleyo	Ixesha elisondeleyo	Ixesha elisondeleyo
Isihloko	<p><b>Amanqaku angcaciso</b></p> <p><b>1.1</b> • <b>Fundisa intsingiselo yenani 5</b></p> <p><b>Ngomlomo:</b> Bala izinto zemihla ngemihia ukuya ku -5. Bala ukuya phambili nokuya emva ukuya ku -5. Bala ngentloko ngokungenantsingiselo 1-10</p> <p><b>Bethelela ukubala ngolandelelwano:</b> Utishala ubala izinto ezi- 3 ngokulandeletana. Khomba kwizinto nganye ubala eyokuqala, eyesibini, eyesithathu.</p> <p><b>Bethelela isigama “ninzi” no”mbalwa”.</b> Qhwabani izandla kaninzi....YIMA Qhwaba izandla kambalwa. Utishala uqhwaba izandla ka- 5. Buza inani eliqhwatywe kaninzi okanye kambalwa</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b> Khuthaza abafundi ukufumana inani -5 ngoku: - Qhwaba izandla ka -5. - Fumana ukuba bangaphi abafundi eklassini abane minyäka e -5.</p>	<p>Izixhobo zokufundisaekucetyiswa ukuba zisetýenziswe</p> <p>lingoma zamanani nezicengcelizo Ukubala imvano-siphelo neengoma, umzekelo, "lmfenana ezintathu zixhumaxhuma phieu kwebbedi".</p> <p>Utitshala ubala izinto ezi- 3 ngokulandeletana. Khomba kwizinto nganye ubala eyokuqala, eyesibini, eyesithathu.</p> <p>Qhwabani izandla kaninzi....YIMA Qhwaba izandla kambalwa. Utishala uqhwaba izandla ka- 5. Buza inani eliqhwatywe kaninzi okanye kambalwa</p> <p>Khuthaza abafundi ukufumana inani -5 ngoku: - Qhwaba izandla ka -5. - Fumana ukuba bangaphi abafundi eklassini abane minyäka e -5.</p>	<p>Izesha olu- 1</p> <p>usuku olu- 1</p> <p>Izinto ezi-3</p>		

Iveki yama - 21	Ixesha lokufundisa elicetyisiweyo: Iplanî enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imisebenzi yemathematika ngeveki)		
Ishloko	<b>1.16</b>	<p><b>Ukubala ngentloko</b></p> <ul style="list-style-type: none"> <li>- Utishala uqhwaba izandla zakhe ngesingqi engangxamanga kahlanu ukubonisa inani -5. Abafundi mabakhphe inani lezinto zokubala ezi - 5 bazibonise.</li> <li>- Abafundi bapakisha izintu zokubala ezi- 5 ngokulandelellanayo bazibale.</li> <li>- Utishala uyabuza:</li> <li>- Leiphi inani eliza phambi kwenani -5?</li> <li>- Leiphi eliza emva ko-4, njalo njalo?</li> <li>- Xa unee- apile ezi-5 waphisa ngezi -2,zingaphi ezishiyeikleyo?</li> <li>- Bonisa ngerinwe.</li> <li>- Uneenzwane ezingaphi kunyawo olu-1?</li> </ul>	<p>Ixesha elisondeleyo</p> <p>Ixesha olu- 1</p> <p>Izikhongozeli ezinezinto zokubala</p>
Izibalo zentloko		<p><b>Ukusebenzia izintu eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Abafundi bakha ulwazi lwamanani ngo:</p> <ul style="list-style-type: none"> <li>- Kwakha inani -5 besebeenzisa udongwe lokudala.</li> <li>- Chola amagqabi a-5.</li> <li>- Bala izinto bezitshatisa nezinto zokubala.</li> <li>- Yakha uqwälaseso lokulondoloza amanani ngokuthi abafundi maba</li> <li>- Pakishe izinto zokubala ezi- 5 okanye ezinye izinto ngeendlela ezzahlukleyo, umzekelo,</li> </ul>  <p>Udongwe okanye udongwe lokudala</p> <p>Amagqabi</p>	<p>Xa kubalwa inani lezinto alichatshazelwa bubukhulu balo, okanye indawo, okanye luuhobo olunye, umzekelo,</p> <ul style="list-style-type: none"> <li>- Cwangcisa amaqhosha a-5, iipensile ezi-5, ihula-hupu ezi-5, abafundi aba-5, njalo njalo.</li> <li>- Zibale ngendlela eyahlukleyo, umzekelo, zibale zisasazekile, zidibene, zisemgenci okanye zipakshiwe</li> </ul>

Iveki yama - 21	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yititshala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi yeMathematika ngeveki)	Ixesha elisondeleyo
Ishloko	<p><b>1.4 Chaza, uthelekise uze ulandelelanise amanani</b></p> <ul style="list-style-type: none"> <li><b>Khulisa ukukhumbula uze ukhuthaze abafundi ukukhumbula ngentloko amanani ezindu, iidlesi neenombolo zefowuni.</b></li> </ul> <p>Diala imidhalo enje ngale ilandelayo:</p> <ul style="list-style-type: none"> <li>Utitshala ubiza inani lendlu, idilesi okanye inombolo yefowuni yomfundii. Umfundi ellielakhe inani lendlu okanye idilesi kufuneka aphendule.</li> <li>Xa uttitshala esenza irejista yabafundi abakhoy makabuze imibuzzo efana nale: “ ingaba umfundi ohala eMandela Drive 123 ukhona namhlanje? ” ingaba umfundi irejista yobukho .</li> <li>Abaafundi basebenzisa oonotsheluza beesimboli zamanani ukupakisha amanani abo ezindlu okanye awefowuni ngokulandelelana nokuba ayichanekanga.</li> <li>Linganisa iinoko kwifowuni yokudala. Abafundi bafowunela umntu obalulekileyo.</li> </ul> <p>Nxulumanisa nobuchule bokwenza(idrama) kwizakhono zoBomi</p>	<p>Izixhobo zokufundisaekucetyiswa ukuba zisetyenziswe</p> <p>usuku olu- 1</p> <p>Ixesha elisondeleyo</p>

<b>Iveki yama - 21</b> <b>Ixesha lokufundisa elcetylisiweyo:</b> <b>Iplani enye yomsebenzi wektasi okhokelwe yititshala (isanqa) ye ± 30 imizuzu ngosuku (<math>\pm 5</math> imisebenzi yemathematika ngeveki)</b>	<b>Ixesha elisondeleyo</b>
<p><b>Ishloko</b></p> <p><b>1.3 lisimbole zamanani kanye namagama amanani</b></p> <ul style="list-style-type: none"> <li><b>Zazi liisimboli zamanani namagama amanani eziquka inani -5</b></li> </ul> <p><b>Ngomlomo:</b> Bala ukuya phambili nokubuya umva ukuya ku-5 Ukubala ngentloko ngokungengantsingiselo 1-10</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Iklasi yonke mayihlale kwisangqa.</li> <li>- Nombola abafundi ngokwepateni. 1, 2, 3, 4, 5 1, 2, 3, 4, 5</li> <li>- 1, 2, 3, 4, 5 .</li> <li>- Buza imibuzo enje ngale; “ ngubani ozakuba yinombolo-5 elandelayo ? “ ngubani ozakuba yinombolo-4 elandelayo ?</li> <li>- Uyisombulule njani le ngxaki?</li> <li>- (Apafundi basombulula ingxaki ngendileta yokucingela inani elilandelayo ngokuhubekeka ngokubala)</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhekka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Sebenzisa amakhadi amanani aviva ngesandla (itactile number cards) eziquka amanani 1-5.</li> <li>- Abafundi bavala amehlo beve inani- 5 ngokusebenzisa iminwe kwisimboli zamanani. Nikia abafundi izinto zokubala ezi-5 umfundi ngamnye neekomityi ezimbini okanye izikhongozeli ezibini zamaqanda.</li> <li>- Buza abafundi: “ ungazicwangcisa njani ezi zinto zokubala kwizikhongozeli ezibini?</li> </ul> 	<p><b>Irixhobo zokufundisaekucetyiswa ukuba ziseteyenziswe</b></p> <p><b>Ixesha elisondeleyo</b></p> <p>Usuku olu- 1</p> <p>lingoma zamanani neemvano-siphelo</p>

Iveki yama - 21	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi ye Mathematika ngeveki)	Ixesha elisondeleyo																	
Ishloko	<p><b>Ukusebenzisa lilmilo okanye imifanekiso enokwakheka kuka 2-D</b></p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> <li>- Chonga oonotsheluza abanemifanekiso emi-5.</li> <li>- Chonga oonotsheluza abanamachaphaza ama-5.</li> <li>- Chonga isimboli -5 apha ibonakala khona eklasini.</li> <li>- Chonga isimboli yenani kunotsheluza.</li> <li>- Hanganisa inani lesibali negama lenani nesimboli yenani ngokupakisha into yokubala kunotsheluza ngamnye womfanekiso nowarmachaphaza .</li> </ul> <p>Nakana igama lenani kunotsheluza.</p> <p><b>3.4 Ulingano-macala</b></p> <ul style="list-style-type: none"> <li>• <b>Ukubethela umgca wolingano- macala kuye ngokwenza izinto ezikhuthazela ukuwelwa komgca ophakathi</b></li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Dlala umdlalo wokulandela inkokheli apha abafundi balinganisa ubume kwitshati.</li> <li>- Dlala umdlalo wokulandela inkokheli apha uitishala abonisa ubume nabafundi bamlinganise. (iquka ukuwela umgca ophakathi, umzekelo, phatha idolo lasekhoho ngesandla sasekunene)</li> <li>- Dlala umdlalo wokulandela inkokheli apha umfundi abonisa ubume abanye bamlinganise.</li> <li>- Utishala ubonisa ukutsiba-tsiba nabafundi bakhuthazwe ukulinganisa uitishala.</li> </ul> <p><b>Ukusebenzisa zinto eziphathakayo ezinokwakheka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Beke ibhinbhogi ekhohlo, ekunene, ngaphambili nangasemva komzimba.</li> <li>- Sebenzise isandla sasekhohlo ubeke ibhinbhogi ngasekunene komzimba wakhe.</li> <li>- Zolule ukwela umgca ophakathi.</li> <li>- Phinda enze ngesandla sasekunene.</li> </ul> <p>Nxulumanisa nemithambo kwiZakhono zoBomi</p>	<p>Izxihobo zokufundisaekucetyliswa ukuba zisetyenziswe</p> <p><b>Ixesha elisondeleyo</b></p> <p>Oonotsheluza bemiwanekiso, amachaphaza, iisimboli zamanani nezamagama amanani Izibali ezi-5</p> <table border="1"> <tr> <td><b>Um-fanekiso wezinto ezi-5</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Usuku olu- 1</p> <p>Emva koko, ngokuqhubekayo ngexesha lokudala nangexesha lemisenbenzi yokukhulisa umzimba</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	<b>Um-fanekiso wezinto ezi-5</b>																
<b>Um-fanekiso wezinto ezi-5</b>																			

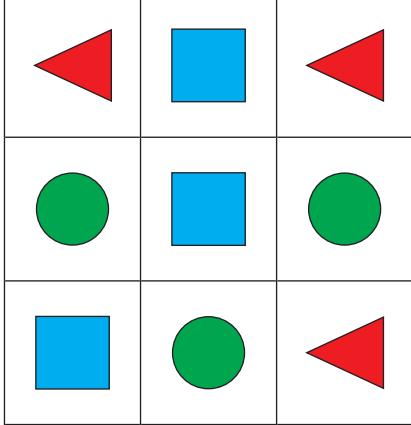
<p><b>Iveki yama - 21</b></p> <p>Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yititshala (isanqa) ye <math>\pm 30</math> imizuzu ngosuku (<math>\pm 5</math> imishebenzi yemathematika ngeveki)</p>	<p><b>Ishloko</b></p> <p><b>4.2</b> <b>Ubude</b></p> <ul style="list-style-type: none"> <li>Qikelela ulinganise ubude bezinto ezahlukleyo usebetyenzisa iinyawo, izandia, umtya, amakhuni, njii njii.</li> </ul> <p><b>Ukfundu usebenzisa intsnukumo yomzimba</b></p> <p>Abatundi maba:</p> <ul style="list-style-type: none"> <li>Thelekise ubude beenyawo nezandla zabo .</li> <li>Abafundi mabaqikelele yeyiphi izinto ende yeyiphi emfutshane ngokulinganisa iinyawo okanye izandla zabo,umzekelo, itafie okanye isijungqe sethumbu lasekhaya.</li> <li>Qikelele ukuba yeyiphi into ende kakhulu okanye emfutshane kakhulu, umzekelo, indlela yeenyawo okanye umgca wezitena.</li> <li>Abafundi mabaqikelele ukuba yeyiphi ende kunenye, umzekelo, ikiasi okanye igumbi lootitshala.</li> <li>Buzza imbuzo enje nge: “yeyiphi endana/ende kakhulu, ipensile okanye umtya?</li> </ul>	<p><b>Ixesha elisondeleyo</b></p> <p><b>Amanqaku angcaciso</b></p> <p><b>Irixhobo zokufundisaekucetyiswa ukuba zisetyenziswe</b></p> <p><b>Ixesha elisondeleyo</b></p>	<p>Usuku olu- 1</p>
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Iveki yama- 22	Ixesha lokufundisa elcetylisiweyo Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku (± 5 imishebenzi yemathematika ngeveki)	Ixesha elisondeleyo
Ishloko	Amangqaku angangcaciso	Izixhobo ezicetylisiweyo
1.1 Bala izinto	<ul style="list-style-type: none"> <li><b>Ukubethelela uwazi olufumanekayo oluquka inana u-5</b> <b>Ngomlomo:</b> Bala izinto zemihla ngemihla ukuya ku -5 Bala ukuya phambili nokubuya umva ukuya ku -5 Ukubala ngentioko okungenantsingiseo 1-10 <b>Bethelela isigama “ninzi” no “mbalwa” .</b> Qhwaba izandla amatyeli amaninzi.....YIMA. Qhwaba izandla kambalwa. Utitshala uqhwaba kahlanu Buza umbuzo:” Leliphi inani elibe lininzi/elibe mbalwa lokuqhwaba?”</li> </ul> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b> Khuthaza abafundi ukufumana inani -5 ngoku:</p> <ul style="list-style-type: none"> <li>- Bonisa iminwe emihlanu emoyeni.</li> <li>- Fumana izinto ezi-5 ezibomvu, bhlouw, mthubi, luhlaza.</li> <li>- Fumana izinto ezi -5 ezibonakala okwesangqa, isikwere, unxantathu.</li> </ul> <p><b>Ukusebenzisa izinto eziphathhekayo ezinokwakhaka kuka 3-D</b> Abafundi mabakhe ulwazi lwamanani ngoku:</p> <ul style="list-style-type: none"> <li>- Landa iincwadi ezi-5 kwikkona yeencwadi</li> <li>- Ukwakha iincchoyi ngeebhloko ezi-5.</li> </ul>	<p>usuku olu- 1</p> <p>lingoma zamanani nezicengcelezo umzekelo,</p> <p>Izicengcelezo neengoma zokubala “1,2,3,4,5”</p> <p>Izinto zokubala</p> <p>Iincwadi libhoko zokwakha okanye iitynhuhu zeyunifikisi (unifix tubes)</p>

Iveki yama- 22	Ixesha lokufundisa elcetylisiweyo Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi yemathematika ngeveki)		
Ishloko	<p><b>17</b></p> <p><b>Ukudibananis nokuthabatha</b></p> <p><b>Ukufunda usebenzisa intshukumo yomzimba:</b></p> <ul style="list-style-type: none"> <li>- Bizeila abafundi aba-5 ngaphambili.</li> <li>- Yabela abafundi aba-5 izitulo ezi-5 ngokulinganayo.</li> <li>- Thathha isitulo esinye. Yaba izitulo ezishiyekileyo kubafundi abahlanu. Umfundsi omnye ushiyeka engena situlo.</li> <li>- Qala ku-5. Bala ubuya umva. Qala ku -3. Balela ku -5. Qala ku-1. Balela ku-4 , njil njil.</li> </ul> <p><b>Ukusebenzisa izinto eziphathhekayo ezinokwakhetka kuka 3-D</b></p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>1. Bonisa umnwae omnye kwisandla esinye neminwe e-4 kwesinye isandla. Yiminwe emingaphi xa iphelele?</li> <li>2. USandla unamaqbengwane ama- 4. UMpho umnika eli-1 kwakhona.USandla unamaqbengwane amangaphi xa ewonke?</li> <li>3. UTini unamatye ama -5 wawanika uMiya onke. UMiya unamatye amangaphi ?</li> <li>4. UJama uneemabhule ezi- 5 walaha ezi- 2. Ushiyeka neemabhule ezingaphi?</li> <li>5. Ikatti enye inendlebe ezimbini. likati ezimbini zineendlebe ezingaphi?</li> <li>6. Ingoma, “Amahotyazana mahlanu emthini” (cacisa ukuba amahobe ayehla ngenani).</li> </ol>	<p><b>Ixesha elisondeleyo</b></p> <p><b>Irixhobo ezicetylisiweyo</b></p> <p><b>Ixesha elisondeleyo</b></p> <p>usuksi olu- 1</p>	<p>Izinto zokubala limabhule (marbles)</p> <p>Ingoma</p>

Iveki yama- 22	Ixesha lokufundisa elcetylisiweyo Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 30$ imishebenzi yeMathematika ngeveki)	
Ishloko	<p><b>1.4 Chaza, uthelekise uze ulandelelanise amanani</b></p> <p><b>Amangqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li>Theleklisa ukuba yeyiphi ingqoke lela yezinto ezinikiweyo ezininzikune, ezimbala kune, ezilinganayo ukuya ku-5</li> </ul> <p><b>Ngomlomo:</b> Bala izinto zemihla ngemihla ukuya ku-5</p> <p>Bala ukuya phambili, ubale ubuya umva ukuya ku- 5</p> <p>Bala ngentioko okungenantsingiselo 1-10</p> <p><b>Bethelela isigama “ninzi” no-“mbalwa” .</b></p> <p>Qhwaba izandla amatylei amanini.....YIMA.</p> <p>Qhwaba izandla kambala. Utitsala uqhwaba kahlanu Buza umbuzo: "Leliphi inani elibe lininzi/elibe mbalwa lokuqhwaba?"</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utitsala ubeka izinto ezinanzi phezu kwetafile, umzekelo, ziimagi ezi-2, iibhloko ezi-5 ezifanayo, izikhongozeli ezi-4, iincwadi ezi -2.</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Bala inani leemagi nezikhongozeli. Ziimagi okanye zizikhongozeli ezinizi?</li> <li>- Bala inani leebhlilo neleencwadi. Zimbalwa iibhoko kuneencwadi? Zinanzi iibhoko kurencwadi?</li> <li>- Bala iincwadi neemagi. Ziyalingana izinto okanye hayi?</li> </ul> <p><b>Ukusebenzisa izinto eziphathetekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Abafundi bahala ekhaphethini benze iinesi ezimbini ngewulu.</li> <li>- Utitsala unika umyalelo, umzekelo, abafundi bafake izinto zokubala ezibini kwenye inesi, baphinde bafake ezintathu kwenye. Yeyiphi inesi enezinanzi? Yeyiphi enezimbala?</li> <li>- Utitsala ubizela abafundi aba-5 phambi kweklasi. Ufaka inani elahlukleyo lamaso ezandleni zomfundni ngamnye.</li> <li>- Sesiphi isanda esinamaso amaninzi?</li> <li>- Sesiphi isanda esinamaso ambalwa?</li> </ul> <p><b>Izinto ezikwimilo enokwakhaka kuka 2-D/imifanelekiso</b></p> <ul style="list-style-type: none"> <li>- Utitsala ubonisa amakkadi amabini anamanani ahlukleyo amachaphaza nemifanekiso.</li> <li>- Abafundi battelekisa amakkadi anemifikado namachaphaza achonge ukuba nkulu kune, mbalwa kune nokulingana.</li> </ul>	<p><b>Ixesha elisondeleyo</b></p> <p>Irixhobo ezicetylisiweyo</p> <p>Usuku olu- 1</p> <p>lingoma zamanani nemvano-siphelo</p> <p>Imagi ezi-2, iibhloki ezifanayo ezi-5, izikhonkozeli ezi-4, incwadi ezi-2.</p> <p>Izintogqe ezibini zewulu zomfundni ngamnye</p> <p>Izinto zokubala ezi-6 zomfundni ngamnye</p>  <p>Amaso</p> <p>Oonots heluza berifanekiso nabamachaphaza abaquka amanani 1 - 5</p>

Iveki yama- 22	Ixesha lokufundisa elcetylisiweyo Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi yemathematika ngeveki)	Ixesha elisondeleyo
Ishloko	<p><b>2.1</b></p> <p><b>lipateni zejiyometri</b></p> <ul style="list-style-type: none"> <li><b>Bethelela ukukhuphela ipateni enikiweyo</b></li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Ukfusebenza ngamaqela bakhuphela ipateni enikiweyo, umzekelo, umfundi, issitudo, umfundsi, issitudo.</li> <li>- Abafundi ababini, issitudo esinye, abafundi ababini, issitudo esinye.</li> <li>- Ngqisha ngonyawo olunye, ngqisha ngolunye unyawo, xhumaxhumela phambili, xhumaxhumela emva</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Utishala uylala ipateni esebenzisa izinto zokubala neziciko zeebhottile, umzekelo, isibali, isibali, isiciko sebhottile, isibali, isibali, isiciko sebhottile. Abafundi bakhuphela ipateni.</li> <li>- Hamba kancinci, kancinci, msinya, msinya. (utishala uthetha ehamba) Abafundi bakhuphela ipateni.</li> </ul> <p><b>Ukusebenzisa iimilo enokwakheka kuka 2-D/imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Yohlula abafundi kumaqela amahlanu. Nikla iqela ngalinye imifanekiso yokwenza ipateni.</li> <li>- Abafundi baylla ipateni zabo zemifanekiso usebenzisa imifanekiso enikiweyo, umzekelo, <ul style="list-style-type: none"> <li>o lorenji iapile, iapile, iorenji</li> <li>o Ibabhattane, ibbabhattane, inyozi, inyozi.</li> </ul> </li> </ul> <p>Lo msebenzi unganxulumansawa nobugcisa bokubonwayo kwizakhono zoBomi</p>	<p>Irixhobo ezicetylisiweyo</p> <p>Irixhobo ezicetylisiweyo</p> <p>Usuku olu- 1</p> <p>Abafundi Issitudo</p> <p>Izintoto zokubala Iziciko zeebhottile</p> <p>Imifanekiso naviphi efumanekayo, umzekelo, iintengiso. Phinda phinda imifanekiso ukujiniseksa ukuba zanele.</p>

Iveki yama- 22	Ixesha lokufundisa elicetyisiweyo Iplani enye yomsebenzi wektasi okhokelwe yititshala (isanqa) ye ± 30 imizuzu ngosuku (± 5 imishebenzi yemathematika ngeveki)	Amangqaku angangcaciso	Izixhobo ezicetyisiweyo	Ixesha elisondeleyo
3.3 <b>Imilo ezinokwakheka kuka 2-D</b>	<p><b>Qwalasela, chonga uxel ilmilo ezinokwakheka kuka 2-D eklassini nasemifanekisweni.</b></p> <ul style="list-style-type: none"> <li><b>Bethlela ulwazi olufunyenwe kwiveki yesi-6 equika isikwere</b> Nxulumanisa neMithambo kwiZakhono zoBomi</li> </ul> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Zoba isikwere phantsi uvumele abafundi batsiba-tsibe kuso. Abafundi mabathi: “nditsiba-tsiba eskwerini – icala elnye, amacala amabini, amacala amathathu, amacala amane, onke amacala ayafana”</li> <li>Abafundi mabalale engoeni/ ekhaphethini inttoko yomnye ibe sezinyaweni zomnye benze isikwere.</li> <li>Amaqela abafundi mabalale ekhaphethini ukwenza izikwere ezincinci.</li> </ul> <p><b>Ukusebenzisa izinto ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>Utitsuala uzoba igridi phantsi.</li> <li>Vaka imilo yokwenyani, umzekelo, iimilo zeLogi, okanye imifanekiso yemilo kwibhoko nganye.</li> <li>Utitsuala ubiza imilo.</li> <li>Abafundi balaahela ibhinbhegi phakathi kwebhoko ehambelana nemilo ebiziweyo .</li> </ul> <p><b>Ukusebenzisa imilo okanye imifanekiso enokwakheka kuka- 2-D</b></p> <p>Abafundi mabahluhulu indidi zezikwre eziungiswe ngutishala ngobukhulu nangemibal.</p> <ul style="list-style-type: none"> <li>Abafundi maba:</li> <li>Chonge izikwre ngobukhulu bazo ngokuchaza izikwre ezikhulu, ezincinci neziphakathi.</li> <li>Chonge imibala yeendidi zezikwre .</li> </ul> <p><b>Hlala izinto ngokwemilo, ubungakanani nombala</b></p> <ul style="list-style-type: none"> <li>Hlala iindidi zezinto ngokombala nangemilo</li> </ul>		<p>isikwere emgangathweni/phantsi</p>	<p>Usuku olu- 1</p>

Iveki yama- 23	Ixesha lokufundisa elcetylisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi yemathematika ngeveki)	Ixesha elisondeleyo
Ishloko	<p><b>1.1 Bala izinto</b></p> <p><b>Amangqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li><b>Ukubethela uwazi abalufumanekayo olubandakanya amanani u-1 ukuya kwi -5</b></li> </ul> <p><b>Ngomlomo:</b> Bala izinto zemihla ngemihla ukuya ku -5 Bala ukuya phambili, ukubala ubuya umva ukuya ku -5 Bala ngentilo ko okungenanisingisel 1-10</p> <p><b>Bethela isigama “ninzi” no “mbalwa” .</b></p> <p>Qhwaba izandla amatyeli amaninzi.....YIMA. Qhwaba izandla kambalwa. Utitshala uqhwaba ka- 5 Buza umbuzo:” Leliphi inani elibe lininzi/elibe mbalwa lokuqhwaba?”</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Utitshala udiala igubu .</li> <li>- Abafundi bayahambahamba.</li> <li>- Xa igubu liyeka ukubetha, utitshala ukhwaza inani eliphakathi kuka- 1 no- 5.</li> <li>- Abafundi bazicwangcisa ngokwamaqelana, umzékelo, utitshala ukhwaza inani -3 abafundi bazicwangcise kumaqela esi-3.</li> </ul> <p><b>Sebenzisa izinto eziphathékayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Utitshala ubeka izinto phezu kwetafile ziymfumba. Abafundi mabaqikelele ukuba zingaphi izinto ezikwimfumba.</li> <li>- Mabazibale emva koko.</li> </ul>	<p>Irixhobo ezicetylisiweyo</p> <p>Irixhobo</p> <p>usuku olu- 1</p> <p>Khetha imsebenzi embalwa</p> <p>Igubu</p>

Iveki yama- 23	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 30$ imishebenzi yeMathematika ngeveki)								
Ishloko	<b>Amangqaku angangcaciso</b>	<b>Izixhobo ezicetyisiweyo</b>	<b>Ixesha elisondeleyo</b>						
<b>1.6</b> <b>Ubuchule bokusombula iingzaki zezibalo</b>	<p><b>Masidiale:</b> Utishala uyila ileli yamanani phantsi. Inani eliseletini limela inani lendifu umfundi ahala kuyo.</p> <p>Utishala ukhetha abafundi abasebenza imvano-siphelo wanika umyalelo:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> <ul style="list-style-type: none"> <li>- Qala eqandeni. Cacisa ukuba iqanda lithetha ukuba "akukho nto" yaye ukubala kuqala ku -1 .</li> <li>- Bala ngeli xesthesia uhambayo.</li> <li>- Utishala uthi kumfundu: " ukwindlu yesi-2, yeyiphi indlu elandela indlu yesi-2?</li> <li>- Imiyalelo egqithayo ingathi: " yiya kwindlu yesi-3. Buyela emva kwindlu yesibini. Yiya phambili kwindlu yesi-4.</li> <li>- Utishala uthi: " ndikwindlu yesi- 3, yeyiphi elandelayo?"</li> <li>- Yiya kwindlu yesi- 4. Hambisa inani elinye phambili. Hambisa amanani amabini emva.</li> <li>- Yima phambi kwendlu yesithathu neyesi-5.</li> </ul>	0	1	2	3	4	5		
0	1	2	3	4	5				
<b>1.4</b> <b>Chaza, thelekisa uze ulandelelanise amanani</b>	<ul style="list-style-type: none"> <li>• <b>Sebenzisa inani -5 kwimeko eqhelekileyo</b> Ukupuhulsila inkumbulo, khuthaza abafundi uk: - Khumbula ifowuni zikanama nootata babo. - Khumbula iidlesi zamakhaya abo. - Ifowuni maziphindaphindwe ngexesha lerejista yobukho yemihla ngemihla.</li> </ul>	<b>Usuku olu- 1</b> Ifowuni kamama okanye ekatata nedilesi yasekhaya							
<b>3.2</b> <b>Izinto ezinokwakhaka kuka -3-D</b>	<ul style="list-style-type: none"> <li>• <b>Yakha izinto ezikwakhaka kuka 3-D kusetyenziswa imatheriyali ephathekayo</b> Abafundi basebenzisa umzekelo katitshala. Utishala unika imiyalelo elandelayo: <ul style="list-style-type: none"> <li>- Yakkha incocchoyi elingana neyam ngokuphakama.</li> <li>- Yakkha incocchoyi engaphantsi kweyam.</li> <li>- Yakkha incocchoyi ephakame kune Yam.</li> </ul> </li> </ul>	<b>Usuku olu- 1</b> Ibhloko ezakhayo/ libhloko zeLegoo Nasiphina isixhobo sokwakha	Iyaqhubekeka						

Iveki yama- 23	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yitishala (isanqa) ye ± 30 imizuzu ngosuku ( $\pm 5$ imishebenzi yemathematika ngeveki)	Irixhobo ezicetyisiweyo	Ixesha elisondeleyo
Ishloko	<p><b>3.1</b> Indawo-bume ukufumana indawo nembonakalo</p> <p>Ukulandela izalathiso ukuhamba okanye ukuzibeka kwisithuba <b>estihile</b></p> <ul style="list-style-type: none"> <li>Phuhlisa ulwazi Iwezalathiso ngokufundisa isigama “phambili” “nasemva”</li> </ul> <p>Ukufunda usebenzisa intsnukumo yomzimba</p> <ul style="list-style-type: none"> <li>Njengentshayelelo, bethlela ulwazi olufunyenwego kwiveki ezsibhozo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>Zoba isangqa esiknulu, unxantathu okanye isikwre ephetshaneli ulibeke phantsi.</li> <li>Abafundu mabta:</li> <li>Qhubo imoto yokudlala kwimigca yesikwere abafundi baxele icala eya ngakulo imoto (phambili nasemva ,ukhohlo nasekunene usebenzisa ingalo ukubonisa ukholio nokunene)</li> </ul> <p><b>Imilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Abafundu mabaqhele isigama Sika- phambili nesika- emva ngokubonisa amacala emifanekisweni, umzekelo, icala imoto eya ngakulo, icala umntu ahambela ngakulo.</li> </ul>	<p>Amangqaku angangcaciso</p> <p>Usuku olu- 1</p> <p>Imilo emikhulu eztotye ephetshaneli</p> <p>Imoto yokudlala</p> <p>Imifanekiso amacala ngokucacileyo, umzekelo, icala imoto eya ngakulo, icala umntu ahambela ngakulo.</p>	

Iveki yama- 23	Ixesha lokufundisa elicetyisiweyo: Iplani enye yomsebenzi wektasi okhokelwe yititshala (isanqa) ye ± 30 imizuzu ngosuku (± 5 imishebenzi yemathematika ngeveki)		
Ishloko  4.2 Ubude	<p><b>Amangqaku angangcaciso</b></p> <p><b>Ukuthelekisa nokulandeletanisa izinto ezipphathhekayo esebenzisa lsigama esifaneleklekyo ukuchaza ubude</b></p> <ul style="list-style-type: none"> <li><b>Ukuqikelela ubude bezinto ezahlukileyo</b></li> </ul> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Abafundi baziwangcisa ngobude ukusuka komfitshane ukuya komde. Thelekisa ubude babo nabanye abafundi.</li> <li>Diala umdlalo wokulandela inkokheli. Oyena mde wenza isenzo abanye bamlinganise bengasemva kwakhe. Jika umgca ukuze omfitshane ibe nguye ongaphambili.</li> <li>Abafundi mabathelekise izandla neenyawo zabo ukuze babone ukuba zezoobani ezinde kakhulu nezimfitshane kakhulu.</li> </ul> <p>Qikelela uthathe umlinganiselo:</p> <ul style="list-style-type: none"> <li>Abafundi baqikelela izinto- ende kwemfitshane, umzekelo, ubude betafile okanye isijungqe somtya.</li> <li>Qikelela izinto - ende nemfitshane, umzekelo, ipensile, ikhrayoni .</li> <li>Abafundi mabathelekelle, yeyiphi into enokuba nde kwenye, umzekelo, imicinga emibini edityaniswe ngobude okanye ikilphu zemali ezidityanisiweyo.</li> <li>Buza le mibuzo: “ yeyiphi endana/ende, ipensile okanye isijungqe somtya? ” njil njil.</li> <li>Sesiphi isitulo esikude kakhulu ukusuka edesikeni katitshala ?</li> <li>Zingaphi ipensile ezinokungena kwicala elide ledesika katitshala ?</li> <li>Mangaphi amanyathelo owathathayo ukuya emnyango ?</li> <li>Zingaphi iibokisi zemashisi ezinesanti ezinokungena kule bhokisi?</li> <li>Zingaphi iikomityi zamaqanda ezinamanzi ezinokuzalisa le glasi?</li> <li>Naba abafundi abathathu neztitulo ezine.</li> <li>Zingaphi izitudo esizidingayo?</li> </ul>	<p><b>Irixhobo ezicetyisiweyo</b></p> <p>i intsku ezi- 2</p> <p>okanye</p> <p>Khetta kuphela imisetyenzana embalwa</p> <p>Izinto zobude obahlukeneyo njenge: Ipensile, ikhrayoni, izijungqe zomtya (omnye ube usongiwe), itafie, iincwadi, imicinga, Ipaperclips (ezisongiweyo, ezivuliweyo nezijjeneyo)njil njil.</p>	<p><b>Ixesha elisondeleyo</b></p> <p>i intsku ezi- 2</p>

Iveki yama- 24	Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elithelkelelwayo
Ishloko	<p><b>1.1 Bala izinto</b></p> <p><b>Amanqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani u- 6</b></li> </ul> <p><b>Ngomolomo:</b> Bala izinto zangemihla uye kuma ku- 6.</p> <p>Bala usiya phambili ubale ubuya umva uyokuma ku-6.</p> <p>Ukubala ngentioko ngokungenantsingiselo 1-10</p> <p><b>Ukubethelela indawo yenani/into kwiseti:</b> ottishala bapakisha izinto ezi- 3 emgçeni.</p> <p>Khomba kwinto nganye eli xa ubalayo ;eyokuqala, eyestibini, eyesithathu</p> <p><b>Ukubethelela iingqiqo ezingu “zininzi/ zimbalwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma ku- 6</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhului/ kancinci?</i></p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Bala ukuya ku-6 logama unyuka amanqwanqwa.</li> <li>- Bala ubuya umva logama usihla usihla ngamanqwanqwa</li> <li>- Zoba u -6 esantini uze uhambé/ uxhume/utsibe ngomlenze omnye ecaleni kwayo.</li> <li>- Qhwaba izandla ka- 6.</li> <li>- Nakana amaranı -1 uye ku- 6 usebenzisa iiimboli zamanani amakhulu.</li> <li>- Makapakishe inombolo yendlu yakowabo okanye inombolo yemfono -mfono esebebenzisa amakhadi eenombolo amakhulu.</li> </ul>	<p>Izixhobo eznokusetyenziswa</p> <p>Usuku olu-1</p>

Iveki yama- 24	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha lithelkelelwayo
Ishloko	<p><b>1.1 Bala izinto</b></p> <p><b>Ukusebenzia izinto eziphathekayo eznokwakheka kuka 3-D</b></p> <p>Bala izinto eklasini. Abafundi mabenze ezi zinto zilandelayo.</p> <p>Buza imibuzo enje ngale:</p> <ul style="list-style-type: none"> <li>- Leliphi inani eliza emva ko - 3, leliphi inani eliza emva ko -5, njil ?"</li> <li>- Utitshala upakisha izinto phezu kwtetfile. Abafundi mabaqikelele ukuba zingaphi ezi zinto bazibonyayo. Mabazibale emveni koko.</li> <li>- Phuhliisa ulwazi lwamanani ngokwenzisa abafundi ukuba bapakishe izinto zokubala(iikhawuntara) okanye izinto ngeendela ezahlukeneyo, umzekelo</li> </ul> <p>Izinto ezise klasini nakummandia osingqongileyo.</p> <p>Sebenzisa izixhobo ezahlukeneyo ezikuniqa iintlobo ezahlukeneyo ukufundisa izicwangciso- qhingga.</p>	<p>Izixhobo eznokusetyenziswa</p> <p>Ixesha olu-1</p>

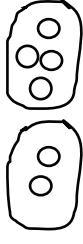
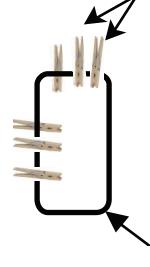
Iveki yama- 24	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elithelkelekelewayo
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa
1.3 <b>lisimboli zamanani namagama amanani</b>	<ul style="list-style-type: none"> <li><b>Yazi lisimboli zamanani uze unakane amagama amanani abandakanya isi-6.</b></li> </ul> <p><b>Ngomlomo:</b> Bala izinto zemihla ngemihla uye kuma ku-- 6. Bala usiya phambili, ubale ubuye umva uyokuma ku- 6.</p> <p><b>Bethelia u “zininzi/ zimbalwa”.</b> Qhwaba izandla kaninzi ... YIMA. Qhwaba izandla amaxesha ambalwa. . Utishala uqhwaba izandla aye kuma ku- 6 Buza imibuzo, ngabaphi abaqhware <i>kakkuluu/ kancinci?</i></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Zoba inani u -6 emhlabenii/ emgangathweni uze uyalele abafundi ukuba bahambe ecaleni kwamanani.</li> <li>Zoba inani u -6 esantini nasemoyeni.</li> <li>Bumba inani u-6 ngodongwe.</li> </ul> <p><b>Ukusebenzisa izinto ezipathekayo eznokwakhaka kuka- 3-D</b></p> <ul style="list-style-type: none"> <li>Abafundi mabaqashele ukuba Bangaphi abafundi abafunekayo ukwenza inani u -6 besebenzisa imizimba yabo.Mabakhe inani u- 6 ngemizimba yabo.</li> <li>Beka induli yezinto etafileni. Diala ngamanani aphakathi ko- 1 uye ku- 6.</li> <li>Abafundi mabaqikelele ukuba zingaphi izinto abazibonayo.</li> <li>Bala izinto.</li> </ul>	<p>Usuku 1</p> <p>lingoma nezicengcelezo zamanani.</p> <p>Izinto ezyi -6.</p> <p>Yenza imifanekiso ufakele amachokoza kumakhati anenani u - imizekelo ;</p> <p><b>Umfanekiso wezinto ez-6</b> </p> <p>Izinto zokubala okanye izinto eznokwakhaka kuka 3-D</p> <p><b>Umfanekiso onezinto ez-6</b> </p> <p>ntandathu</p>
	<p><b>Ukusebenzisa iimilo eznokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Khetha koonotsheluza abaxutiyiweyo kwezinemifanekiso ezino -6 uzidibanise nezilingana twatise nezinto zokubala.</li> <li>Bonisa oonotshezuza abanemifanekiso ano-6 ubadibanise namachokoza nezinto zokubala ezino -6.</li> <li>Bonisa ooootsheluza abanamachokoza ano-6 uwadibanise nesimboli u -6 nezinto zokubala ezi- 6.</li> <li>Jonga koonotsheluza abaxutiyiweyo abanegama lenani u -6 ulidibanise nesimboli u - 6 kuyne nezinto zokubala.</li> </ul>	

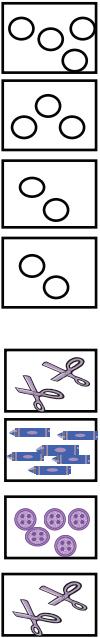
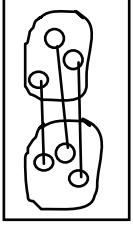
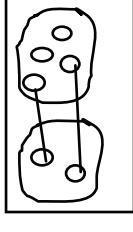
Iveki yama- 24	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha lithelkelelewayo
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa
1.13 Ukudibana nokuthabatha	<ul style="list-style-type: none"> <li>Sombulula iingxaki zokudibana nokuthabatha ngomlomo eznineempendulo ukuya ku -6.</li> </ul> <p><b>Ngomlomo:</b> Bala izinto zemihla ngemihla uyo kuma ku- 6. Bala usiya phambili, ubale ubuya umva uyokuma ku -6. Buza imibuzzo, ngabaphi abaqhwabe <i>kakhulu// kancinci?</i></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p><b>Imizekelo</b></p> <ol style="list-style-type: none"> <li>Utitshala ubiza abafundi abathathu ngaphamibili. Abafundi mabababale. Utitshala ubiza abanye ababini abuze: Bangaphi abafundi bebonke? 3 no 2 → 5. (utitshala uthi: 3 no 2 benza 5)</li> <li>Utitshala upakisha izitulo ezi- 2. Yongeza ezinye ezi 2. Zingaphi ngoku zizonke? 2 no 2 → 4.</li> <li>Utitshala uphakamisa isandia esinye. Uthi "bala iminwe Yam. Ukuba ndifile ubhontsi wam, mingaphi iminwe oyibonayo? 5 uthabathe u 1 → 4.</li> <li>Abafundi mababale iminwe yabo kwisandla esinye. Fihla ubhontsi wakho, mingaphi iminwe oyibonayo? 5 uthabathe u 1 ® 4</li> </ol> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D</b></p> <p>Abafundi mabapakishe izinto zokubala ezyi- 6 benze ezi zinto zilandelayo:</p> <ul style="list-style-type: none"> <li>Utitshala makanike abafundi izinto zokubala ezi- 6.</li> <li>Utitshala unika imiyalelo abafundi baphendule, imizekelo, pakisha izinto zokubala zibe- 2, yongeza ezinye ezi- 3.</li> <li>Zingaphi zizonke? 2 no 3 → 5.</li> <li>Bala izinto zokubala ezi- 4. Yongeza ezi -2 kwezi-4. Zingaphi zizonke ngoku? 4 no 2 → 6.</li> <li>Bala onke amaso onawo. Ukuba ugquma amaso amabini ingesandla sakho ubona amaso amangapphi ngoku? 6 uthabathe u 2 → 4.</li> </ul>	lingoma nezicengcelizo zamanani.  Abafundi Iztitulo

Iveki yama- 24	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elithelkelelwayo
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa
1.13 Ukudibana ishloko nokuthabatha	<ul style="list-style-type: none"> <li><b>Ngomlomo, sombulula izibalo zamazwi ezibandakanya u- 6</b> <b>Ngomlomo:</b> Bala izinto zemihla ngemihla uyokuma ku -6. Bala ukuya phambili, ubale ubuya umva uye kuma ku -6.</li> </ul> <p><b>Bethelela u “ zinanzi/ zimbala” .</b> Qhwaba izandla kaninzi ... YIMA. Qhwaba izandla amaxesha ambalwa. . Utishala uqhwaba izandla aye kuma ku- 6 Buza imibuzzo, ngabaphi abaqhwabe <i>kakkulul/kancinci?</i></p> <p><b>Ukusebenzia zinto eziphathekayeo eznokwakhaka kuka 3-D</b></p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>UMpho unamaqbengwana ama- 4. UPeter umnika amanye ama- 2 ngaphezelu. Mangaphi amaqebengwana kaMpho ewonke?</li> <li>UNontle unoondoli aba -3 noMandisa unoondoli aba -2. Ngowuphi onoonodoli abaninzi? Bangaphi oonodoli baka Nontle ngaphezu kwabaka Mandisa?</li> <li>Kukho iintaka ezi- 5 elucingweni. Ezi -2 zibhabhile. Zingaphi iintaka ezishiyekileyo?</li> <li>UPat uneemoto zokudlala ezi -6. UThina unezi- 4. Zingaphi iimoto zokudlala uThina anazo ngaphantsi kunezika Pat?</li> <li>Umnitwana ngamnye unempumlo enye. Abantwana abathathu bane .....</li> <li>Umnitwana ngamnye uneenyawo ezbimbini. Abantwana abathathu bane.....</li> <li>Umnitwana ngamnye unengalo ezbimbini. Abantwana ababini bane.....</li> <li>Umnitwana ngamnye unomlomo omnye. Abantwana abathathu bane.....</li> </ol> <p><b>3.2</b></p> <p><b>Izinto ezinokwakhaka kuka 3-D</b></p>	<p>Usuku olu- 1</p> <p>lingoma nezicengcelizo zamanani.</p> <p>Izinto zokubala</p> <p>Sebenzisa iindidi zezixhobo ezahlukeneyo eznokunkika iindidi zokusebenzisa izicwangiso -qhingga.</p> <p><b>Yakha izinto esinokwakhaka kuka 3-D kuyilo okanye ikhadi lelinofanekiso.</b></p> <ul style="list-style-type: none"> <li>- Abafundi mabenze:</li> <li>- Yakha isakhivo usebenzisa umfanekiso</li> <li>- Abafundi bahlohlha amaso belandeta abakubona emfanekisweni.</li> </ul> <p>“limilo yeLogi” izakhono ngebhloko Nasiphi isixhobo sokwakha Amaso, umtya wesihlangu Amakhabi ahlukeneyo abonisaa iindela ezahlukeneyo zamaso.</p>

Iveki yama- 25	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngeutišhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha lithelkelelewayo
Ishloko	<p><b>1.1</b></p> <p><b>Bala izinto</b></p> <ul style="list-style-type: none"> <li><b>Bethelela ulwazi olufunyenwe kwiveki yama- 24 olubandakanya inani u-6.</b></li> </ul> <p><b>Ngomlomo:</b> bala izinto yonke imihla uyo kuma ku -6. Bala usiya phambili, ubale ubuya umva uyokuma ku -6.</p> <p>Bala ngentilo ko ngokungenantsingiselo 1-10</p> <p><b>Bethelela iingqiqo ezingu “zininzi/zimbawwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utishala uqhwaba izandla aye kuma ku - 6</p> <p>Buza imibuzo, ngabaphi abaqhwbabe <i>kakhulul/kancinci?</i></p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Masidiale umdialo:</p> <p>Utishala ubeka ikhadibhodi enku enamananari okanye amakhadi anamananari ukugala ku - 1 ukuya ku -6 ngokokulandelana kwavo phantsi.</p> <p>Utishala unika abantwana imiyalelo enje nge:</p> <ul style="list-style-type: none"> <li>- Hila kwinani u- 6.</li> <li>- Beku umnwe wakho kwinani u-3.</li> <li>- Baleka uijkeleze kwinani u- 2 kathathu.</li> <li>- Xhuma phezu kwenani u -1.</li> <li>- Utishala makasasaze amakhadi anamananari abanike le miyalelo ingentla.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Abafundu maba:</p> <ul style="list-style-type: none"> <li>- Bala izinto eklassini ezibandakanya amanani u-1 ukuya kwi-6.</li> <li>- Utishala upakisha izinto phezu kwetafile. Abafundi mabaqjikelele ukuba zingaphi ezi zinto bazibonayo. Mabazibale emveni koko.</li> </ul>	Ixihobo eznokusetyenziswa usuku olu- 1

Iveki yama- 25	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutitshala (isangqa) wemizuzu engama $\pm 30$ ngosuku (imisebenzi yeMathematika emi $\pm 5$ ngeveki)	Ixesha elithtelekelelwayo			
Ishihoko	Amanqaku angangcaciso	Izixhobo ezinokusetyenziswa			
1.3 lisimboli zamanani kunye namagama amanani	<ul style="list-style-type: none"> <li>Nakana uze uchonge lisimboli zamanani namagama amanani abandakanya inani u -6</li> </ul> <p><b>Ngomlomo:</b> bala izinto ezsityenziswa yonke imihla uyo kuma ku -6. Bala usiya phambilii, ubale ubuya umva uyokuma ku-6.</p> <p><b>Ukubethhelela iingqiqo ezingu “zininzii/ zimbalwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma ku -6</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhulu/ kancinci</i></p> <p><b>Ukusebenzia limilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Bonisa oonotsheluza abanemifanekiso ano- 6 ubadibanise namachokoza nezinto zokubala ezino-6.</li> <li>Dlala umdhalo ukhethe inani eliyisimboli elifana ngqo, kwamanye ultilekise nezinto zokubala ezifanayo.</li> <li>Dlala umdhalo ukhethe igama lenani elifana ngqo, kwamanye ultilekise nezinto zokubala ezifanayo.</li> <li>Dlala umdhalo ukhethe inani lezinto zokubala elifana ngqo, kwamanye ultilekise nezinto zokubala ezifanayo.</li> <li>Cinezelaa(threyisa) inani u- 6 usebenzise ikhrayoni.</li> </ul>	<p>usuku olu- 1</p> <p>lingoma nezicengcezelzo zamanani.</p> <p><b>Izintozokubala</b> Oonotsheluza abaneesimboli zamanani namagama amanani, umzekelo</p> <table border="1"> <tr> <td>Umfanekiso wazinto ezi-6</td> <td><b>6</b></td> <td>Thandathu</td> </tr> </table>	Umfanekiso wazinto ezi-6	<b>6</b>	Thandathu
Umfanekiso wazinto ezi-6	<b>6</b>	Thandathu			

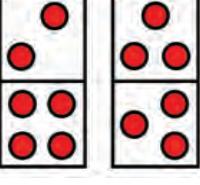
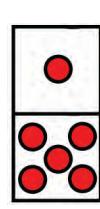
Iveki yama- 25	Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elithelkelelwayo
Ishloko	<p><b>1.4 Chaza, thelekisa uze ulandelelanise amanani</b></p> <ul style="list-style-type: none"> <li>Landeleinisa uze uthelkise ingqokelela yezinto usebenzisa “ ngaphezu kuna/ ngaphantsi kuna” uyokuma ku -6.</li> </ul> <p>Ngomlomo: bala izinto uyokuma ku -6.</p> <p>Bala usiya phambili, ubale ubuya umva uyokuma ku -6.</p> <p><b>Ukubethelela iingqiqo ezingu “zinizi/ zimbalwa”</b></p> <p>Qhwaba izandla amaxesha ambalwa. Utishala uqhawaba izandla aye kuma ku- 6</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhlul/kancinci?</i></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Utishala ubeka ihupu ezimbini phantsi</li> <li>Ubiza abafundi abathattu beme kwindlu yentaka yokuqala aze abize abanye ababini baye kuma kwenye indlu yentaka.</li> <li>Yeyiphi indlu yentaka enabafundi abaninzi kunenye?</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>Abaafundi mabahale emethini benze iindlwana zeentaka ezimbini ngewulu.</li> <li>Utishala unika imiyalelo, umzekelo, abafundi babeka izinto zokubala zibe mbini kwindlu yentaka nezine kwenye indlu yentaka, yeyiphi indlu yentaka enezinto zokubala ezininzi? Yeyiphi enezingaphantsi? Phinda phinda usebenzise amanani uyokuma ku -6.</li> <li>Utishala usebenzisa isiciko sesikhongozeli seayisi krim. Uxhoma iphegi ezintathu phezu kwesikiko nezinye ezintathu ekunene kwsiciko. Zeziphi iphegi ezinizi kunezinye okanye ziyalingana?</li> <li>Abaafundi bangenza umdala ngalo msebenzi bengamaqela besebenzisa iziciko neempahla zabo.</li> </ul>	<p>Izixhobo eznokusetyenziswa</p> <p>Usuku olu- 1</p> <p>Khetha uphela imisebenzi embalwa.</p> <p>lingoma nezicengcelezo zamani.</p> <p>lihipu (hoops)ezimbini</p>  <p>Izijungqe ezimbini zewulu kumfundi ngamnye.</p> <p>Izinto zokubala</p>  <p>Isiciko sesikhongozeli</p> <p>Impahla ipnegi</p>

<p>Iveki yama- 25 Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)</p>	<p>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)</p>	<p>Ixesha elithelkelelwayo</p>
<p>Ishloko</p>	<p><b>Ukusebenzia limilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>- Utitshala ubonisua amakhadi anamachokoza anamananani anemifanekiso kuyo</p>  <p>Abafundi mabathellekise amakhadi anemifanekiso namachokoza bakhangele “amaninzi kunamanye” ambalwa kunamanye “alinganayo”.</p> <p>Abafundi bazoba izindlu zeentaka ezimbini ephepheli. Kumyalelo, mabapakishe izinto zokubala bazitshtaise nezindlu zeentaka ngekhrayoni. Phuhisa ingqiqo u”yahula ngokulinganayo” umzekelo</p>   <p>Yenza amaqela amanani azeleyo iimpendulo zibe nentsalela, umzekelo</p>	<p>Izixhobo eznokusetyenziswa</p> <p>Imifanekiso kune amakhadi anamachokoza.</p> <p>Izixhobo eznokusetyenziswa</p> <p>Imifanekiso kune amakhadi anamachokoza.</p> <p>Ixesha elithelkelelwayo</p>
<p>3.3 limilo ezinokwakheka kuka 2-D</p>	<p><b>Nakanauchonge uze uxele amagama eemilo ezinokwakheka kuka 2-D eklassi</b></p> <p>nasemifanekisweni</p> <ul style="list-style-type: none"> <li>• Yenza ugqibezele iphazili enezicwili ezintlanu</li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>• Zoba umfanekiso kwiphepha le A4.</li> <li>• Utitshala uzoba imigca emva kwemizobo yabafundi.</li> <li>• Umfundu usika umfanekiso phezu kwemigca.</li> <li>• Umfundu ugqibezela iphazili yakhe.</li> </ul>	<p>Usuku olu- 1</p>  <p>Iikhayoni iphepha le A4 izikere</p> <p>Imvulopu okanye ibhegi ozenzeleyo ukufaka iphazili kwi (goba iphepha ufake iglu emacaleni).</p>

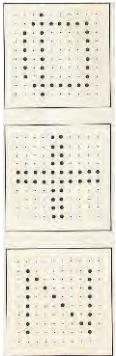
Iveki yama- 25	Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi wekasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elithelkelelwayo												
Ishloko	Amanqaku angangcaciso	Izixhobo eznokusetyenziswa												
5.1 <b>Qokelela uze uhlele izinto</b>	<ul style="list-style-type: none"> <li>Inani loonobumba kumagama abafundi</li> </ul> <p><b>Ukusombulula iingxaki: Buza abafundi ingxaki yezibalo:</b> “Ingaba amagama anoonobumba abathandathu ngawona athandwayo?</p> <p>Singenza njani siyfumane impendulo? Loluphi ulwazi ekufuneka siluqokelele?</p> <p><b>Qokelela ulwazi</b></p> <ul style="list-style-type: none"> <li>Abafundi mababale oonobumba kumagama abo, kwileyyihile zamagama ebezenziwe ngutitshala.</li> <li>Utishala uphakamisa ikhadi elinenani elingqamana nenani loonobumba begama lomfundu, abuze; ngubani umfundi onegama elinoonobumba aba- 4, uphakamisa ikhadi eline nani u -4. qhuba ngawo onke amanani.</li> </ul> <p><b>Zoba igrafu</b></p> <ul style="list-style-type: none"> <li>Utishala uzoba le grafu elandelayo ephakamise amanani:</li> </ul>													
5.2 <b>Bonisa ingqokelela yezinto ezhelweiyo</b>	<table border="1"> <thead> <tr> <th>Iiletta ezi 3</th> <th>Iiletta ezi 4</th> <th>Iiletta ezi 5</th> <th>Iiletta ezi 6</th> </tr> </thead> <tbody> <tr> <td>Tom Pam</td> <td>Solo Miya Nobe</td> <td>Phiko Nathi Sipho Ludwe Naila</td> <td>Unathi Phumla</td> </tr> <tr> <td>2</td> <td>3</td> <td>5</td> <td>2</td> </tr> </tbody> </table>	Iiletta ezi 3	Iiletta ezi 4	Iiletta ezi 5	Iiletta ezi 6	Tom Pam	Solo Miya Nobe	Phiko Nathi Sipho Ludwe Naila	Unathi Phumla	2	3	5	2	<p><b>Funda uze utolike igrafu</b></p> <ul style="list-style-type: none"> <li>Leliphi inani elifumaneka rhoqo koonobumba bamagama?</li> <li>Ngawaphi amagama anoonobumba abangaphezu kwe -5? - Ngawaphi amagama anoonobumba abangaphantsi kuno -5?</li> </ul>
Iiletta ezi 3	Iiletta ezi 4	Iiletta ezi 5	Iiletta ezi 6											
Tom Pam	Solo Miya Nobe	Phiko Nathi Sipho Ludwe Naila	Unathi Phumla											
2	3	5	2											

Iveki yama- 26	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha eliqikelelweyo
Ishloko	Amanqaku angangcaciso	Izixhobo ezicetyliswayo/ ezinokusetyenziswa
1.1 Ukubala amanani	<ul style="list-style-type: none"> <li><b>Bethelela ulwazi olufunyenwe kwiveki yama- 24 equaka amanani u-1 ukuya kwi -6</b></li> </ul> <p><b>Ngomlomo:</b> bala izinto yonke imihla uyokuma ku -6. Bala usiya phambili, ubale ubuya umva uyokuma ku -6.</p> <p><b>Ukubethelela iingqiqo ezingu “zinizi/ zimbawwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Ultishala uqhwawa izandla aye kuma kwi- 6</p> <p>Buza imibuzzo, ngabaphi abaqhwabe <i>kakhlul/ kancinci?</i></p> <p><b>Ukufunda usebenzia intsnukumo yomzimba</b></p> <p>Abafundi ba:</p> <ul style="list-style-type: none"> <li>- kha isimboli yamanani ngemizimba yabo.</li> <li>- Bonisa inani lemew yabo ngokonyalelo katitshala.</li> <li>- kha iiisimboli zamanani ngomtya okanye ngentlama yokudlala.</li> <li>- va imilo yenani esingxobeni bachaze inani ngalinye.</li> <li>- Bhala isimboli yenani ukuqala ku -1 uyokuma ku -6 phantsi nasemoyeni, njil.</li> </ul>	Usuku olu- 1

Iveki yama- 26	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha eliqikelelweyo
Ishloko	Amanqaku angangcaciso	Izixhobo ezicetyliswayo/ ezinokusetyenziswa
1.1	<p><b>Ukusebenzia izinto eziphathekheka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>Bale izinto eklasini eziquka e-1 ukuya kwezi- 6</li> <li>Bale izinto zokubala uyokuma ku -6.</li> <li>Beke iityhubhu okanye izinto zokubala ezinemibala ngomgca phezu kwetafile.</li> <li>Tshatise iityhubhu ngemibala besebenzisa iityhubhu zeyunifiksi okanye izinto zokubala. Imizekelo:</li> </ul> <p><b>BOMVU      BIHLOWU      LUHLAZA</b></p> <p>- Yenza amaqela obude ahlukeneyo. Abafundi mabatshatlise ngokobungakanani.</p>	<p>Izinto eklasini</p> <p>Izinto zokubala ezinemibala okanye iityhubhu zeyunifiksi (unifix tubes).</p> <p>usuku olu- 1</p>
1.2	<p><b>Ukubala amanani</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>Bale izinto eklasini eziquka e-1 ukuya kwezi- 6.</li> <li>Bale izinto zokubala uyokuma ku -6.</li> <li>Beke iityhubhu okanye izinto zokubala ezinemibala ngomgca phezu kwetafile.</li> <li>Tshatise iityhubhu ngemibala besebenzisa iityhubhu zeyunifiksi okanye izinto zokubala. Imizekelo:</li> </ul> <p><b>BOMVU      BIHLOWU      LUHLAZA</b></p> <p>- Yenza amaqela obude ahlukeneyo. Abafundi mabatshatlise ngokobungakanani.</p>	<p>Umphambilii wekhadi</p> <p>Thandathu</p> <p>6</p>
1.3	<p><b>lisimboli zamanani namagama amanani</b></p> <p><b>Ngomilomo:</b> bala izinto yonke imihla uyokuma ku -6. Bala usiya phambili, ubale ubuya umva uyokuma ku- 6.</p> <p><b>Ukubethelela iingqiqo ezingu “zininzi/ zimbalwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p><b>Ukusebenzia imilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Masenze umdhalo:</p> <ul style="list-style-type: none"> <li>Utitshala wenza amakhadi amananano ano 1-6 anamaggama amanani ecaleni nesimboli kweliinye icala.</li> <li>Abafundi baafunda amagama amanani baqikelele iisimboli zamanani.</li> <li>Baguqula amakhadi bazilungise apho benze kakubi khona.</li> </ul>	<p>Amakhadi anamanani u 1-6 anamaggama amanani ecaleni nesimboli kweliinye icala.</p> <p>(yenza liiseti ezimbalwa ukwenzelia ukuba umfundini ngamnye abe neseti yakhe).</p>

Iveki yama- 26 Isihloko	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Amanqaku angangcaciso	Izixhobo ezcetyliswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo
1.7 Ukudibanaša nokuthabatha	<ul style="list-style-type: none"> <li>Sombulula izibalo zamazwi ngomlomo (izibalo zamazwi) kwimeko ethile uze ucacise isisombululo kwijwingxaki yezibalo ezibandakanya inani- 6.</li> </ul> <p>Ukubethelela iingqiqo ezingu “zinini/ zimbalwa”</p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utishala uqhwaba izandla aye kuma ku- 6</p> <p>Buza imibuzo, ngabaphi abaqhware kakħulu// kancinc?</p> <p><b>Ukusebenzisa zinto eziphathekayeo ezinokwakhēka kuka 3-D</b></p> <ol style="list-style-type: none"> <li>Nika umfundu ngamnye iphepha I A4 elinemigca enyukileyo nezinto zokubala ezi- 6, imizekelo </li> <li>Yenza abafundi baziphose izinto zokubala ngobunono ephepheni bacacise ukuba ziwe njani, imizekelo</li> </ol> <p></p> <p>u 4 no 2 → 6 (u 4 no 2 zenza 6)</p> <p>u 3 no 3 → 6</p> <p>3. Phinda ngammanani u 1 ukuya 5. </p> <p>u 5 no 1 → 6</p> <p>4. <b>Ukusombulula iingxaki:</b> Cacisa izisombululo zengxaki.</p> <p>5. Yenza ngokutħanayo nakwillingxaki zokuthabatha.</p>			Usuku olu- 1

Iveki yama- 26	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	
Ishloko	Amanqaku angangcaciso	Ixihobo ezcetyliswayo/ ezinokusetyenziswa
4.4 Umthamo/volumu	<ul style="list-style-type: none"> <li>• Fundisa umlinganiselo womthamo ngokuthtelekisa ukuba izikhongozeli zithatha kangakanani, imizekelo</li> </ul> <p>- “ayinanto/ izele”</p> <p>- “ungaphelu kune/ ingaphantsi kune”</p> <p>- Kakhulu, kancinci</p> <p>Fundisa umthamo kubafundi ngokubuza ukuba sesiphi isikhongozeli ezithatha kakhulu. Abafundi bathanda ukwenza uthelekiso kubude ngaphezu komthamo. Umzekelo, xa bebuza ukuba yeyiphi ethatha umthamo omkhulu, isikhongozeli eside nesifutshane, abafundi abaninzi baya kukhetha isikhongozeli eside nokuba esifutshane sithatha umthamo omkhulu wamanzi.</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b> “enkulu kune/ ngaphantsi kune”</p> <ul style="list-style-type: none"> <li>- Sebenzisa isikhongozeli esinye njengomlinganiselo omiselekleyo, umzekelo, ikomityi yeyogathi Niko abafundi iindidi ezikhongozeli.</li> <li>- Abafundi mabenze:</li> <li>- Khangelu ukuba zeziphi izikhongozeli ezithatha umthamo omkhulu, zeziphi ezithatha ngaphantsi, umzekelo ikomityi yeyogathi. “Sesiphi isikhongongozeli esikhulu? Sesiphi isikhongozeli esithatha kancincit?”</li> </ul> <p>Nika abafundi icephe nebhakethi enesanti ukugalela isanti ekomityini ngecephe. Abafundi mabenze ezi zinto zilandelayo.</p> <ul style="list-style-type: none"> <li>- Bala ukuba mangaphi amacephe afunekayo ukuzalisa ikomityi. Ufuniselo lungenziwa nzima ngokubanika izikhongozeli ezinanzi, imizekelo, ikomityi, iglasi yeplastiki,nejagi encinci.</li> <li>- Phinda lo msebenzi usebenzise iikomityi.</li> </ul>	Ixesa eliqikelelweyo  Usuku olu-1  Khetha umsebenzi omnye okanye emibini.

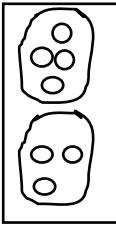
Iveki yama- 26	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Izesha eliqikelelweyo
Ishloko	<p><b>3.1 Indawo-bume,ukufumana indawo nembonakalo</b></p> <p><b>Ukusebenzia izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p><b>Ibhodi yephegi (Pegboard work)</b></p> <p>Abafundi mabasebenzise isandla sasekhohlo nesasekunene, emveni koko mabazisebenzise zombini ukufaka iiphegi ebbodini.</p> <ul style="list-style-type: none"> <li>- Utitshala uxelela abafundi ukuba bazifake phi iphegi,imizekelo Kumqolo ongaphambili</li> <li>Ikumqolo ongezantsi</li> <li>Ngasekhohlo</li> <li>ngasekunene</li> <li>Embindini</li> </ul> <p>Abafundi mabenze ezi zinto zilandelayo:</p> <ul style="list-style-type: none"> <li>- Yenza iimilo kwiphegi bhodi usebenzisa iiphezi zembala.</li> <li>- Utitshala wenza ipateni elula ngeephhegi kwi phiegibhodi abafundi bakope kvezabo iibhodi.</li> <li>- Abafundi bakopa ipateni kumakhadi anemizobo.</li> </ul> 	<p>Iixhobo ezicetyliswayo/ezinokusetyenziswa</p> <p>Iphegi bhodi yomfundi ngamnye okanye ngokwammaqela. Amakhadi azotywe iipateni.</p>

Iveki yama- 27	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutišhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	
Ishloko	<p><b>Amanqaku angangcaciso</b></p> <p><b>1.1</b></p> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani u-7</b></li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uyo kuma kwi- 7. Bala usiya phambili, ubale ubuya umva uyokuma kuwi-7.</p> <p>Ukubala ngentiboko ngokungenantsingiselo usuka ku-1 uyokuma kwi- 10.</p> <p><b>Ukubethelela amanani aqhelečkleyo:</b> Utitshala upakisha izinto ezi -3 ngomgca. Khomba kwinto ngeli xesha ubalayo <i>eyokuqala, eyesibini, eyesithathu, eyesine</i>.</p> <p><b>Ukubethelela liingqiqo ezingu “zininzi/zimbawwa”</b> Qhwaba kaninzi...YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma kwi- 6 Buza imibuzo, ngabaphi abaqhwabe <i>kakhulu/kancinci?</i></p> <p><b>Ukufundu usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utitshala wahlula abafundi ngokwamaqela. Nikla iqela ngalinye iibhola ezisi- 7 ezenziwe ngamaphephandaba.</li> <li>- Abafundi mabaphose iibhola ebhaskithini. Abafundi mababale ngokukhwaza xa bephosa iibhola.</li> <li>- Bala amaxesha utitshala angqisha etafileni umkope.</li> <li>- Bala usebenzisa ibithhi esetyenziswa rhoq lo mzuzu abafundi behamba ngamanyathelo, betsibela ngaphakathi nangaphandle.</li> <li>- Ngqisha iinyawo ngexesha usebenzisa isingqisho esisetenyenziswa rhoqo.</li> </ul>	<p><b>Ixesha eliqikelelweyo</b></p> <p>Izixhobo ezicetyliswayo/ ezinokusetyenziswa</p> <p>Usuku olu- 1</p>

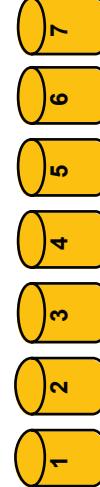
Iveki yama- 27	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	
Isihloko	Amanqaku angangcaciso	Izixhobo ezicetyliswayo/ ezinokusetyenziswa
1.1	<b>Ukusebenzisa izinto eziphathekayeo ezinokwakhaka kuka 3-D</b> Utishala upakisha iibhloko zokwakha embindini womgangatho. Unika imiyalelo enjengale: <ul style="list-style-type: none"> <li>- Thatha iibhloko ezintathu kwezipakishiwayo.</li> <li>- Thatha iibhloko ezine kwezipakishiwayo uzibuyisele ezimbini njil.</li> <li>- Utishala upakisha izinto phezu kwtetfile. Abafundi mabaqikelele ukuba zingaphi izinto ezipakishiwayo.zibalenii emva koko.</li> <li>- Ukuphuhlisa ulwazi ngogcino lwamnanani ngokuba abafundi bapakishe izinto zokubala ezisixhenxe okanye izinto neendlela ezahlukenyeyo, imizekelo                </li> </ul> Xa ubala , inani lezinto alichaphazeli ubungakanani, okanye indawo, okanye ngokufana. imizekelo: <ul style="list-style-type: none"> <li>- Cwangcia amaghosha asi- 7, lipensile ezisi -7.jihupu (oops) ezisi -7 , abafundi abasi -7 , njil.</li> <li>- Zibale neendlela ezahlukenyeyo, imizekelo, zibale uzisasazile, zindawonye,zisemgenci okanye zicukene.</li> </ul>	Ixesha eliqikelelweyo  libhloko zokwakha okanye iibhloko zelego

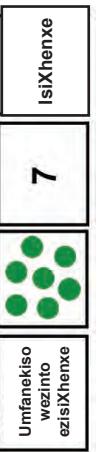
Iveki yama- 27	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)										
Isihloko 1.13	<b>Amanqaku angangcaciso</b>  <ul style="list-style-type: none"> <li><b>Sombulula ngomlomo iingxaki zokudibansia nokuthabatha eziquka inani u-7</b></li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uyo kuma ku- 7. Bala usiya phambili, ubale ubuya umva uyokuma ku -7.</p> <p><b>Bethelela iingqiqo ezingu “zininzi/ zimbawwa”</b></p> <p>Qhwaba kaninzi...YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uohhwaba izandla aye kuma ku- 6</p> <p>Buza imibuzzo, ngabaphi abaqhwabe <i>kakhulu// kancinci?</i></p>	<b>Izixhobo ezicetyliswayo/ ezinokusetyenziswa</b>  <ul style="list-style-type: none"> <li>lingoma nezicenggelezo zamanani.</li> </ul>	<b>Ixesha eliqikelelweyo</b>  <ul style="list-style-type: none"> <li>Usuku olu-1</li> </ul>								
Ukudibanisa nokuthabatha 1.6	<b>Ukfunda usebenzisa intshukumo yomzimba</b>  <p><b>Ubuchule bokusombulula iingxaki</b></p> <p>Utitshala uyabuza:</p> <ul style="list-style-type: none"> <li>- Leiphi inani eliphakathi kwe- 4 nesi- 6? Umfundu uba nolwazi xa esebenzisa ilei yamanani.</li> <li>- Ngawaphi amanani aphakathi ko- 2 nesi- 5?</li> <li>- Sebenzisa ezzakho iimbono ukwenza abafundi ukuba bazi inani u-7 ngokubamba izinto besebenzisa imizimba yabo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathetekayo ezinokwahkekaka kuka- 3-D</b></p> <p>Nika umfundu ngamnye amaso okanye izinto zokubala ezisi- 7.</p> <p>Buza imibuzzo enjengale:</p> <ul style="list-style-type: none"> <li>- Susa into yokubala ibe- 1 kwelinye icala (ekhohlo). Xa sifakela eny into yokubala ekhohlo, zingaphi ke ngoku?</li> <li>- U- 1 no -1→2 (utitshala uthi: 1 no 1 zenza 2)</li> <li>- Yisa izinto zokubala ezi- 4 ngasekunene. Xa sifakela ezimbini ngaphezelu ngasekunene, zingaphi ngoku?</li> <li>- Kunye no- 2 →6</li> <li>- unezinto ezi- 5 zokubala uthathe ezi-2, zingaphi ezishiyeleyo?</li> </ul>	<table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table>	0	1	2	3	4	5	6	7	<b>Izintozokubala</b>  <ul style="list-style-type: none"> <li>Amaso okanye izinto zokubala</li> </ul>
0	1	2	3	4	5	6	7				

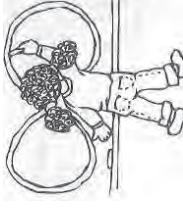
Iveki yama- 27	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſtħala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha elixiqiķelweyo
Isihloko Imali	<p>1.11 • Nakana uze uchonge imali yaseMzantsi Afrika <b>Imali engamaphepha</b></p> <ul style="list-style-type: none"> <li>- Sebenzisa imali yamaphepha, imizekelo R10, R20, R50, R100, R200</li> <li>- Yazisa abafundi ngemifanekiso yezilwanyana ezahlukenejo kwimali yamaphepha</li> <li>- Mabenze imidhalo yemali kwizindlu zokudlala.</li> </ul> <p>1.9 • Ngomlomo, sombulua uze ucacise iingxaki zezibalo zamazwi eziquka:</p> <ul style="list-style-type: none"> <li>- Ukwaba ngokulinganayo,</li> <li>- Ukwahlula ngokwamaqela amanani apheleleyo kune</li> <li>- nezisombulul ozinentsalela yamanani ukuya ku -7</li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uye kuma kwi- 7. Bala ukuya phambili, ubale ubuya umva uye kuma kwi -7.</p> <p><b>Ukubethelela iingqiqo ezingu “zininzi/ zimbalwa”</b></p> <p>Qhwaba kaninzi...YIMA. Qhwaba izandla amaxesha ambawha. Utitħala uqhwaba izandia aye kuma kwi- 6 Buza imibuzzo, ngabaphi abaqhwabe <i>kakkhulul/ kancincī?</i></p>	<p>Izixhobo ezicetyliswa/ ezinokusetyenziswa</p> <p>Usuku olu- 1</p> <p>Imizekelo yenyani yemali yamaphepha R10, R20 ne R50 (okanye imali yamaphepha okudlala)</p> <p>Usuku olu- 1</p> <p>Khetħha omnye okanye emibini imisebenzi ebandakanya ukufunda usebenzisa intshukumo yomzimba</p> <p>Usuku olu- 1</p>

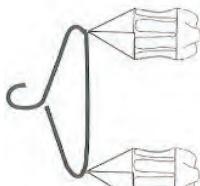
Iveki yama- 27	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngtiitshala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Amanqaku angangcaciso	Izixhobo ezicetyliswayo/ ezinokusetyenziswa	Ixesha elixiqikelelweyo
1.9 <b>Ukwahlula ngokwamaqela nokwaba ngokulinganayo okukhokelela kulwahlula-hlulo</b>	<b>Ukfufunda usebenzisa intshukumo yomzimbba</b>  <b>Imizekelo:</b> Yakha iiseti usebenzisa abafundi:  1. Abafundi mabakhe amaqela ngaba 2, 3, 4, 5 nangaba- 6.Bala ukuba bangaphi abafundi kwiqela. 2. Zoba iimilo ezinkulu kwikikonkriti okanye esantini. Abafundi benza amaqela, imizekelo, abafundi aba- 4 phakathi kwemilo. 3. Ngexesha lokutya utiitshala uthi: "ungaya kwigela labafundi abane ukuyohlamba izandla" okanye uthi: " abafundi abane mabaye kuhlamba izandla". 4. Khetra abafundi abasi-7 usebenzisa izicengcelezo zokubala. 5. Abafundi abasi -7 mabaliganise babezintaka benze ngathi kukho umithi besebenzisa izinto zokudlala zokugwencela zaphandle okanye izitulo neetafile ngaphakathi. 6. Utitshala wenza umdialo wokuthumela liintaka ezimbini emithi (abafundi ababini bagwencela kwisixhobo). Intaka nganye ngexesha ibhabhela emthini. "Ziingaphi liintaka emthini ngoku? Zingaphi emhaberi? 7. Pinda wenze amaqela abafundi usebenzisa amanani ukusuka ku-1 ukuya kwi-7.	<b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b>  <b>Imizekelo:</b> 1. Utitshala unika abafundi izinto zokubala. Abafundi mabenze iiseti ezi- 4 ngezinto zokubala. Yenza enye iiseti yoonontathu. "zingaphi izinto zokubala kule seti intsha? 2. Abafundi mabapakishe izangga ezimbini ephephneni. Utitshala makankike imiyalelo, abafundi mabapakishe izinto zokubala besenza iiseti eziimbini ukwenzela kubekho iseti enezinto zokubala ezingaphezelu kunezinye iiseti. Buza imibuzzo enje ngo"yeypifi iseti enezinto zokubala ngapnezelu/ ngaphantsi?	  	Izixhobo zokunyuka okanye itafile nezitulo.  Izinto zokubala  Nika abafundi iphepha nekhrayoni izinto zokubala

Iveki yama- 27	Ixesha lokufundisa ekucetyiswa ukuba lisetyenziswe: Umsebenzi wekiasi omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)		
Ishloko  4.4 Umthamo/volumu	<p><b>Amanqaku angangcaciso</b></p> <p><b>Izixhobo ezicetyiswayo/ezinokusetyenziswa</b></p> <p><b>Ixesha eliqikelelweyo</b></p> <p><b>Iimitsku ezi- 2</b></p> <p><b>Okyane imisebenzi ekhetiweyo emibni okanye emithathu</b></p> <p><b>Iimitsku ezi- 2</b></p> <p><b>Okanye imisebenzi ekhetiweyo emibni okanye emithathu</b></p> <p><b>Thelektsa uze ulandelanise ngokwenza izinto rgezinto usebenzisa isigama esicacisayo:</b></p> <p>a) umthamo</p> <p>b) ayinanto, izele, incinci kune, zinanzi kune, kakhlulu, kancinci)</p> <p><b>Ngomlomo:</b> bala izinto yonke imihla uyo kuma ku - 7.</p> <p>Bala usiya phambili, ubale ubuya umva uyokuma ku -7.</p> <p>Bethelia ulwazi olufunyenwe kwiveki yama- 26 equka umthamo</p> <p><b>Ukubethelela liingqiqo ezingu “zinanzi/zimbawu”</b></p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma kwi- 6</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhulu/kancinci?</i></p> <p><b>Ukufundu usebenzisa intshukumo yomzimba</b></p> <p>Abafundu maba:</p> <ul style="list-style-type: none"> <li>- Cwangcisa izikhongozeli ezibini okanye ezintathu ngokwemithamo, ngamanye amazwi, sesiphi isikhongozeli esinokuthatha ezinanzi okanye ezimbawla? abafundi BangaHiola ukugashisa kwabo ngokugaleia amanzu kwizikhongozeli ezingenento babale ukuba sesiphi estithatha ezona komityi ezinanzi. Yongeza inani lezikhongozeli ukuyenza nzima ngakumbi.</li> <li>- Abafundi Bangasebenzisa ikomityi ukulinganisa ukuba zingaphi iikomityi zerayisi, imbotyi okanye isanti ukugcwaliswa.</li> <li>- Funa izikhongozeli eziyekeleneyo (imiz. ibhakethi kwipitsi yesant) ukuqala kuncinci ukuya ku- nkulu.</li> <li>- Nika abafundi iindidi zezikhongozeli (iindidi zobungakanani neemilo)uze ubuze imibuzo: <ul style="list-style-type: none"> <li>o “Zeziphi izikhongozeli ezinokuthatha awona manzi okanye isanti?</li> <li>o Xa ugalela amanzu kwisikhongozeli ukusa kwasinye, ingaba uzakusigcwaliswa?”</li> </ul> </li> <li>- Abafundi mabazikhangelele ukuba kwenzeka ntoni xa isikhongozeli singagcwaliswanga nciam xa kuphindie kwagaelwa amanye, imizekelo- yongeza amabastile/fimahbile ezicocekileyo, iibhloko zeLego, iibhloko zeplastiki, imizekelo, abafundi bayiyatha imidalo yokuqashela xa beqashela ukuba sesiphi isikhongozeli esithatha umthamo omkhulu, bakhangale impendulo zabo ukuba baphumelie na.(utitshala uyacacisa ukuba izito ezidadayo azichaphazelii ubungakanani bamanzu).</li> </ul>	<p><b>Izixhobo ezicetyiswayo/ezinokusetyenziswa</b></p> <p><b>Ixesha eliqikelelweyo</b></p> <p><b>Iimitsku ezi- 2</b></p> <p><b>Okanye imisebenzi ekhetiweyo emibni okanye emithathu</b></p> <p><b>Iimitsku ezi- 2</b></p> <p><b>Okanye imisebenzi ekhetiweyo emibni okanye emithathu</b></p>	

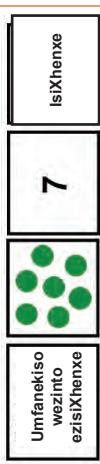
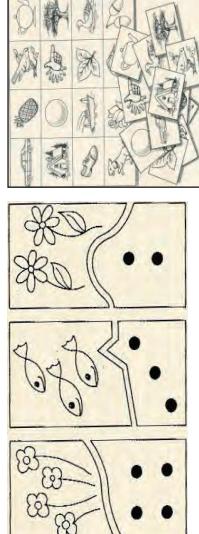
Iveki yama- 28	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha eliqikelelweyo
Ishloko	Amanqaku angangcaciso	Irixhobo ezicetyliswayo/ ezinokusetyenziswa
1.1	<ul style="list-style-type: none"> <li><b>Bethelela ulwazi abalufumeneyo kuquka inani-7</b></li> </ul> <p><b>NGomlomo:</b> bala izinto yonke imihla uyo kuma kwi -7. Bala usiya phambili, ubale ubuya umva uyokuma kwi- 7.</p> <p><b>Bethelela iingqiqo ezingu “zininzi/ zimbala”</b></p> <p>Qhwaba kaninzi... YIMA. Qhwaba izandla amaxesha ambalwa. Utitshala ughhwaba izandla aye kuma kwi -7</p> <p>Buza imibuzzo, ngabaphi abaqhware kakhlul/ kancinci?</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Abafundi ababini babizwa ngaphambili. Abanye abafundi bayababala. Abafundi ababini aBangaphambili baphakamisa iiymboli ezinamanani.</li> <li>- Yongeza omnye umfundsi ngaphambili. Abanye abafundi bayababala. Umfundsi omnye makaphakamise isymboli enenani u -3.</li> <li>- Qhubu kude kube nabafundi abasi- 7 ngaphambili.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Beka iinkonkxa ezisi- 7 ngomgca umz.</li> </ul>	<p>Usuku olu- 1</p> <p>lingoma nezicengcelezo zamanani.</p> <p>Amakhadi eesimboli aquka u- 1 ukuya ku- 7.</p>
Ukubala izinto	<p><b>Amanqaku angangcaciso</b></p> <p><b>Bethelela ulwazi abalufumeneyo kuquka inani-7</b></p> <p><b>NGomlomo:</b> bala izinto yonke imihla uyo kuma kwi -7. Bala usiya phambili, ubale ubuya umva uyokuma kwi- 7.</p> <p><b>Bethelela iingqiqo ezingu “zininzi/ zimbala”</b></p> <p>Qhwaba kaninzi... YIMA. Qhwaba izandla amaxesha ambalwa. Utitshala ughhwaba izandla aye kuma kwi -7</p> <p>Buza imibuzzo, ngabaphi abaqhware kakhlul/ kancinci?</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Abafundi ababini babizwa ngaphambili. Abanye abafundi bayababala. Abafundi ababini aBangaphambili baphakamisa iiymboli ezinamanani.</li> <li>- Yongeza omnye umfundsi ngaphambili. Abanye abafundi bayababala. Umfundsi omnye makaphakamise isymboli enenani u -3.</li> <li>- Qhubu kude kube nabafundi abasi- 7 ngaphambili.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Beka iinkonkxa ezisi- 7 ngomgca umz.</li> </ul>	<p>linkonkxa ezisi 7ezinesymboli zamananiezincanyathisew kuzo limbewu okanye amatye</p>  <p>- Abafundi mababeke imbewu/ ilitye kwinkonkxa yokuqala, ezimbini kweyesibini, ezintathu kweyesithathu, baqhubekeke zide iinkonkxa zosi- 7 zibe nnembewu/ namatyne njengokuba kubonisive ngaphandise.</p> <p>- Thattha iikhrayoni (phakathi kwe- 10 ne- 15) bazifake ekomityini. Abafundi mabaqasheli likhrayon neemagi</p> <p>- Bonisa ukuba zibalwa njani ngokukhupha ibenyne ngexesha bazibeke ngomgca.</p>

Iveki yama- 28	<p>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngeutishala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)</p>	<p><b>Ishloko</b></p> <p><b>1.3</b></p> <p><b>lisimboli zamanani namagma amanani .</b></p> <p><b>Amanqaku angangcaciso</b></p>	<p><b>Izixhobo ezicetyliswayo/ezinokusetyenziswa</b></p>	<p><b>Ixesha eliqikelelweyo</b></p>
1.3	<ul style="list-style-type: none"> <li>Nakana lisimboli yenani negama lenani elibandakanya u- 7.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso .</b></p> <p>Masenze umdalo:</p> <ul style="list-style-type: none"> <li>Abafundi mabahale kwisangqa. Beka ikhadi elinenani liqubudiwe phambi konfundi ngamnye. (inokuba yisimboli, igama, amachaphaza okanye umfanekiso equka amanani u- 1 ukuya kwi- 7)</li> <li>Fundisa abafundi ukugqithisa amakhadi kumfundi olandelayo ngokuwatshibiliiza ngobuso phantsi emethini.</li> <li>Abafundi bayacengceleza: “Inani eliyimfhlo, inani eliyimfhlo, linoba lithini? Mandikroba”</li> <li>Abafundi bayra kroba emakhadini.</li> <li>Utitshala uphakamisa ikhadi lakte lenani.</li> <li>Abafundi abanamakhadi afana nakatishala baphakamisa awabo, bathi: “ndizakuliphakamisa ikhadi tam phezulu, ukwenzela wonke ubani abone”.</li> </ul>	<p><b>Umfanekiso wazinto ezisixhenxe</b></p> 	<p><b>Izixhobo olu- 1</b></p>	<p><b>Ixesha eliqikelelweyo</b></p>
3.2	<p><b>Izinto ezinokwakheka kuka 3-D usebenzisa izinto eziphathhekayo</b></p> <ul style="list-style-type: none"> <li><b>Kopa isakhiwo kwikhadi eliyiliwey o kanye elinomfanekiso</b></li> <li><b>Ukusebenzisa izinto eziphathhekayo ezinokwakheka kuka 3-D</b></li> </ul> <p>- Umfundsi wakha isakhiwo esifana nesakhiwo esisemfanekisweni.</p> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Wandise lo msebenzi kubucisca obubonwayo.</p> <ul style="list-style-type: none"> <li>Nika umfundsi ngamnye iphepha elinezagqa ezikhulu nezincinci, onxantathu nezikwre.</li> <li>Abafundi maba:</li> <li>Sike iimilo bakhe izakhiwo ezinokwakheka kuka 2-D ephepheni bazincamatisele.</li> <li>Hombise imifanekiso ngemizobo.</li> </ul>	<p><b>“limilo zeLogi” izakhono zebblisko</b> “iibhloko zengqondo” Nokuba zeziphi (pegboard) izixhobo zokwakha Iphegibhodi</p>	<p><b>Izixhobo olu- 1</b></p> <p><b>Ixesha eliqikelelweyo</b></p>	<p><b>Izangqa ezinkulu nezincinci, nxantathu nezikwre ephepheni.</b></p> <p><b>Izikere, iglu</b></p>

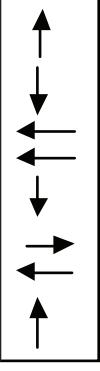
Iveki yama- 28	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngtiitshala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	
Ishloko	Amanqaku angangcaciso	Ixesha eliqikelwelweyo
3.4 Ulingano-macala	<ul style="list-style-type: none"> <li>• <b>Phuhisa ukukwazi ukubona umgca ophakathi kubo</b></li> </ul> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Khumbule ulwazi obunalo; bamba amalungu omzimba ngemiyalelo. Dlala "uSimoni uthi: bamba....."</li> <li>- Nika eminye imiyalelo apfo abafundi bawela umgca ophakathi njenge: "bamba idolo lakho ngempumio, bamba igxalaba lakho ngendlebe. Bamba idolo lakho lasekhohlo ngonyawo lwasekunene. Bamba iqqiniba yakho ngesandla sakho, nji.</li> </ul> <p><b>Ukusebenzia izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Zobe izangqa ebhodini.</li> <li>- Zobe imigca ebhodini. Qinisekisa ukuba abafundi bawela umgca ophakathi.</li> <li>- Zobe umgca ebhodini udibanaisa ichokoza kwelinje elikude kwelinje.</li> <li>- Zobe umzobo osisi- 8 oleleyo ebhodini. Sebenzisa iintshukumo ezinkulu ukuqinisekisa ukuba abafundi bawela umgca ophakathi.</li> </ul> <p>(Abafundi basebenzia izandla zasekunene nasekhohlo.)</p>	<p>Mabanakane umgca wolingano-macala kubo na-kubangqongleyo.</p> <ul style="list-style-type: none"> <li>• Bawela umgca ophakathi kubo</li> </ul> <p>Umdlalo: "uSimoni uthi, bamba....."</p>  <p>Abafundi bazoba ebhodini</p>
	<p><b>Ukusebenzia imilo enokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Nxulumanisa nobuGcisa Bokubona</p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Peyinte kwiphephandaba ukusuka ekunene nasekhohlo.</li> </ul>	<p>Amaphephandaba amabini kumfundi ngamnye</p> <p>lpeyinti nebhrashi</p>

Iveki yama- 28	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)		
Iihloko 4.3 Ubunzima	<p><b>Thelekisa, ulandelanise izinto eziphathekayo ngokwenza usebenzisa isigama esifanelekileyo esicacisayo:</b></p> <ul style="list-style-type: none"> <li>- ubunzima imizekelo, ikhaphu khaphu, inzima,ikhaphu khaphana,inzinyana</li> <li>• <b>Fundisa ingqiqo- “ubunzima” imizekelo - ukuthatha umlinganiselo wobunzima (ukuveyisha) kuthetha ukuba into inobunzima obungakanani</b></li> <li>- ikhaphu Khaphana/ inzinyana</li> </ul> <p>Ukuthatha umlinganiselo wobunzima kuthetha ukuba into inzima kangakanani.</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p>Abafundi mabaqikellele ubunzima bezinto:</p> <ul style="list-style-type: none"> <li>- Bamba ez zinto zilandelayo, enye kwisandila ngasinye ukwenzela ukuba baqikelele ukuba yeyiphi enzima okanye ekhaphu khaphu, imizekelo</li> <li>o Ilitye nebhloko yokwakha.</li> <li>o Ikari yokudlala yeplastiki nemoto yokudlala yentsimbi.</li> <li>o Inkonkxai itoti yekofu nebholtile yesisel.</li> <li>o Ihola enkulu yerabha neykhilkithi.</li> </ul> <p>Abafundi badla ngokucinga ukuba izinto ezinkulu zezonza zisindayo xa kuthiwa mabaqashale phakathi kwee obhiekthi ezimbini.</p> <ul style="list-style-type: none"> <li>- Fundisa isikali, umzekele- weyishai izinto ukubonisa impendulo echanekileyo.</li> <li>- Buza imibuzo enje nge“yeyiphi into enzima/ ekhaphu khaphu? Abafundi mabakhangele izinto ezinzima nezikaphu khaphu eklassini kunezi bebeziweyishile.</li> <li>- Qinisekisa ukuba zikhona izikali zokuweyisha ngexesha labo lokudlala ukwenzela ukuba baqhube umsebenzi wokuweyisha.</li> <li>- Makubekho isikali kwikona yendlu yokudlala ukwenzela ukuba baweyishe ukuba zingaphi iibhloko eziweyisha ngokufanayo, umzekelo, iapile.</li> </ul>	<p>Iixhobo ezicetyliswayo/ ezinokusetyenziswa</p> <p>Amanqaku angangcaciso</p>	<p>Ixesha eliqikelelweyo</p> <p>Usuku olu- 1</p> <p>Khetha imisebenzi emibini okanye emithathu.</p>
	<p><b>Isikali</b></p> <p>Ungazenzela isikali esilua:</p> <ul style="list-style-type: none"> <li>- Uzakufuna ihengari yeplastiki ebhijelweyo,</li> <li>- lithabhu ezimbini zemajerini okanyeibhotile yecoke nee ziitringi.</li> <li>- Gqobhoza imingxuma emibini echaseneyo kwithabhu yemajerini/ iibholtile zecoke.</li> <li>- Ncamathisela iithabhu/ iibholtile ekigqibeleni kwehengari – Uzakuba nesikali.</li> <li>- Xhoma ihengari esikhonkwaneni okanye kwhiku abafundi mabaqalise ukuveyisha –</li> <li>- Bonisa abafundi ukuba ihengari kufuneka ilingane rhoqo xa bezakuveyishia.</li> </ul> 		

Iveki 29	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha eliqikelelweyo			
Ishloko	Amanqaku angangcaciso	Izixhobo ezicetyliswayo/ ezinokusetyenziswa			
1.1 Ukubala izinto	<ul style="list-style-type: none"> <li><b>Ukubethelela uwazi olifunddweyo</b> ngamanani ukuqala ku- 1 ukuya ku -7</li> </ul> <p><b>Ngomlomo:</b> Bala izinto yonke imihla uyo kuma kwi -7.</p> <p>Bala phambili nasemmva uyokuma kwi -7.</p> <p>Ukubala ngokungenantsingisel ukuqala ku-1 uyokuma kwi-10.</p> <p><b>Ukubethelela iingqiqo ezingu “zinini/zimbalwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma ku- 7</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhlul/kancinci?</i></p> <p><b>Ukusebenzisa izinto eziphathekayo eziokwakhka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Qokelele amasebe. Wagcine eklassini ukwenzela xa befuna ukuwasebenzisa kwakhona.</li> <li>- Sebenzisa awakho amasebe, imizekelo ukubala isimboli u -5</li> </ul>  <p>Amasebe</p>	<p>Usuku olu- 1</p> <p>lingoma nezicengcelezo zamanani.</p> <p><b>Umfanekiso nonotsheluza</b> abanamachokoza ano 1 ukuya kwi -7</p> <p>Isimboli yamanani nonotsheluza abano -1 ukuya ku -7.</p> <table border="1"> <tr> <td>Umfanekiso wezint ezisixenxe</td> <td>7</td> <td>IsiXhemxe</td> </tr> </table> <p>Iphepha nekhrayoni</p>	Umfanekiso wezint ezisixenxe	7	IsiXhemxe
Umfanekiso wezint ezisixenxe	7	IsiXhemxe			

<b>Iveki 29</b> <b>Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)</b>	<b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe:</b> <b>Qhwaba izandla amaxeshesha ambalwa. Utitsaha uqhwaba izandla aye kuma kwi -7</b> <b>Bula ukuya phambili, ubale ukubuya unva uyokuma kwi -7.</b> <b>Qhwaba kaninzi... YIMA.</b> <b>Ukubethlela iingqiqo ezingu “zininzi/zimbalwa”</b> <b>Qhwaba izandla amaxeshesha ambalwa. Utitsaha uqhwaba izandla aye kuma kwi -7</b> <b>Buza imibuzo, ngabaphi abaqhwabe <i>kakkuluu/kancinci?</i></b>	<b>Amanqaku angangcaciso</b> <ul style="list-style-type: none"> <li>Nakana lisimboli zamanani namagama amanani ezibandalakanya u -1 ukuya kwi -7</li> </ul>	<b>Izixhobo ezicetyliswayo/ezinokusetyenziswa</b> <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> 6 <input type="checkbox"/> 4	<b>Ixesha eliqikelelweyo</b> usuku olu- 1 lingoma nezicengcelezo zamanani.
<b>1.3</b> <b>lisimboli zamanani namagama amanani</b>	<ul style="list-style-type: none"> <li><b>Ngomlomo:</b> Bala izinto yonke imihla uyo kuma kwi-7. Bala ukuya phambili, ubale ukubuya unva uyokuma kwi -7.</li> </ul> <p><b>Qhwaba kaninzi... YIMA.</b></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Beka amakhadi esimboli amakhulu eklasini okanye ngaphandle kwindawo yokudlala.</li> <li>Biza le ndawo ngokuba li “Lilizwe lamanani” abafundi bona zii “hkosi namakhosazana amanani” beka isithsaba kumfundii ngamnye ezenziwe ngamakhadibodi, zinamanani abhaliweyo ngokucacileyo..</li> <li>Nika abafundi imiyalelo enje ngo:           <ul style="list-style-type: none"> <li>Bonke abafundi abanxibe bomvu mabatsibe kabini.</li> <li>Bonke abafundi abaneenwele ezinde , mabachwechwe ukuya kuma ku- 6.</li> </ul> </li> </ul>	<p><b>Qhwaba izandla amaxeshesha ambalwa. Utitsaha uqhwaba izandla aye kuma kwi -7</b></p> <p><b>Buza imibuzo, ngabaphi abaqhwabe <i>kakkuluu/kancinci?</i></b></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Beka amakhadi esimboli amakhulu eklasini okanye ngaphandle kwindawo yokudlala.</li> <li>Biza le ndawo ngokuba li “Lilizwe lamanani” abafundi bona zii “hkosi namakhosazana amanani” beka isithsaba kumfundii ngamnye ezenziwe ngamakhadibodi, zinamanani abhaliweyo ngokucacileyo..</li> <li>Nika abafundi imiyalelo enje ngo:           <ul style="list-style-type: none"> <li>Bonke abafundi abanxibe bomvu mabatsibe kabini.</li> <li>Bonke abafundi abaneenwele ezinde , mabachwechwe ukuya kuma ku- 6.</li> </ul> </li> </ul>		Iseti yamakhadi yamanani ano - 1 ukuya ku -7
<b>2.1</b> <b>Sebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifarnekiso</b>	<p><b>Abafundi maba:</b></p> <ul style="list-style-type: none"> <li>Zoba amachaphaza ngokwenani elinkwe ngutitshala, umzekelo zoba amachaphaza amabini. Phinda ude uye kuma ku - 7</li> <li>Yiba neeseti zeessimboli zamanani ezinanzi namakhadi amagama amanani.Nika umfundii ngamnye ikhadi. Utitsaha uphakamisa ikhadi abafundi abanamakhadi arfan neakhe mabaphakise awabo.</li> <li><i>Ingebiso:</i> quka abafundi ukwenza awabo amakhadi.</li> <li>Diala imidlalo yokutishattisa isimboli yamanani namagama amanani.</li> </ul>	<p><b>Sebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifarnekiso</b></p> <p><b>Abafundi maba:</b></p> <ul style="list-style-type: none"> <li>Zoba amachaphaza ngokwenani elinkwe ngutitshala, umzekelo zoba amachaphaza amabini. Phinda ude uye kuma ku - 7</li> <li>Yiba neeseti zeessimboli zamanani ezinanzi namakhadi amagama amanani.Nika umfundii ngamnye ikhadi. Utitsaha uphakamisa ikhadi abafundi abanamakhadi arfan neakhe mabaphakise awabo.</li> <li><i>Ingebiso:</i> quka abafundi ukwenza awabo amakhadi.</li> <li>Diala imidlalo yokutishattisa isimboli yamanani namagama amanani.</li> </ul>		

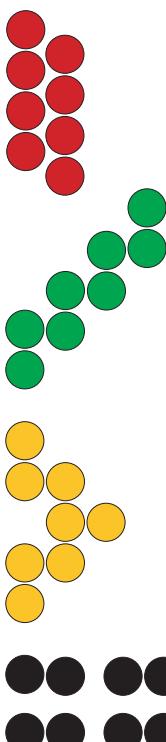
Iveki 29		Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama $\pm$ 30 ngosuku (imisebenzi yeMathematika emi $\pm$ 5 ngeveki)	Ixsho ezcetyliswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo
Ishloko	1.7 <b>Ukudibana nokuthabatha</b>	<p><b>Amanqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li><b>Sombulula ngomlomo lingxaki zokudibanaša nokuthabatha ezineempendulo ukuya ku -7.</b></li> </ul> <p><b>Ukuthetha:</b> bala izinto yonke imihla uyo kuma ku -7.</p> <p>Bala phambili nasemva uyokuma ku -7.</p> <p><b>Ukubethela iingqiqo ezingu “zinini/ zimbalwa”</b></p> <p>Qhwaba kaninzi... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla aye kuma ku -7.</p> <p>Buza imibuzo, ngabaphi abaqhwabe <i>kakhului/ kancinci?</i></p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Jonga kwiveki yama- 24 nama- 27 ngemisebenzi.</li> <li>- Sebenzisa ezakho liimbono ukunika abafundi olunye ulwazi ngenani u -7 besebenzisa imizimba yabo.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Jonga kwiveki yama- 24 nama- 27 ngemisebenzi.</li> <li>- Sebenzisa ezakho liimbono ukunika abafundi olunye ulwazi ngenani u -7 besebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D.</li> </ul>	Usuku olu- 1	

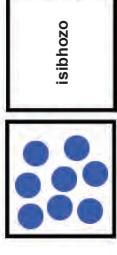
<b>Iveki 29</b>	<p><b>Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe:</b>  <b>Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)</b></p>		
<b>Ishloko</b>	<p><b>Amanqaku angangcaciso</b></p>	<p><b>Izixhobo ezcetyliswayo/ ezinokusetyenziswa</b></p>	<p><b>Ixesha eliqikelelweyo</b></p>
<b>3.1</b> <b>Indwo-bume, ukufumana indawo kune nembonakalo</b>	<p><b>Ukulandela izalathiso ukuhamba okanye utumana indawo ethile kwisithuba esithile netsnati yeentolo.</b></p> <p><b>Ukfunda usebenzisa intsnukumo yomzimba</b></p> <p>Abafundi mabahambe ngeendlela ezahlukeneyo:</p> <ul style="list-style-type: none"> <li>- ukuya emnyango,</li> <li>- ukuya efestileni,</li> <li>- ukuya ekoneri yencwadi, njl-njl.</li> </ul> <p><b>Ukusebenzisa zinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>- Zobe isi- 8 esithe tyaba ebbodini. Qinisekisa ukuba abafundi bawela imigca yabo ephakathi.</li> </ul> 	<p>Ibhodi</p>	<p>Usuku olu- 1</p>
	<p><b>Sebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Abafundi mabenze ngokwamaqela amancinci okanye bodwa:</p> <ul style="list-style-type: none"> <li>- Beka amehlo konootsheluza uze use ingalo yakho kweli cala ekhonjiwe lutolo uthethe eli xa usenzayo, umzekelo- xa umfundu ekhupha ingalo yakhe, kufuneka athi "kunene".</li> <li>- Ukwenza intshukuma ya phezulu nasezantsi umfundu angasebenzisa nokuba yeyiphi ingalo.</li> <li>- Bonisa isalathiso kwitshati yentolo.</li> </ul> <p><b>Isigama:</b>  Phezulu/ ezantsi; phakathi/ phandle; ngaphezulu/ ngaphantsi; phambili/ emva; phambi ko/ emva; kwicala elinye/ kwelinje icala; emva ko; ekholio/ ekunene</p>	<p>Unotsheluza onotolo olunye, Guqula onotsheluza bajonge kwiindlela ezahlukeneyo.</p> <p><b>Itshati yotolo</b> (iphowusta yotolo ngokweendlela ezahlukeneyo.)</p> 	

Iveki 29	Ixesha lokufundisa ekucetyliswa ukuba lisetyenziswe: Umsebenzi weklaši omnye ofundiswa ngutiſhala (isangga) wemizuzu engama ± 30 ngosuku (imisebenzi yeMathematika emi ± 5 ngeveki)	Ixesha eliqikelelweyo Ixeho ezcetyliswayo/ ezinokusetyenziswa	Ixesha eliqikelelweyo Ixeho ezcetyliswayo/ ezinokusetyenziswa
Ishloko 4.3 Ubunzima	<p><b>Amanqaku angangcaciso</b></p> <ul style="list-style-type: none"> <li>Bethelela uiwazi olufunyenwe kwiveki yama- 28 ebandalakaña ubunzima: ‘eyona ikhaphu-khaphu / eyona inzima’”</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Abafundi maba:</p> <ul style="list-style-type: none"> <li>Thelekise ubunzima bezikhongozeli ezintathu ukuya kwezintanu (umzekelo 400g kwiinkonka ezingemant) zibe nesanti enobunzima obuhlukeneyo, ukwenzela zibe nobunzina obahlukeneyo.</li> <li>Zibeke ngokobukhaphu khaphu nobunzima ngokuva umlinganiselo. Emva kokko, mabasebenzise isikali ukuqonda ukuba abafundi bajonge ukuba iimpendulo zabo bezichanekile na.</li> <li>Lingcebiso:</li> </ul> <p>Linga ukuba zingaphi liitsinjana ezingqukuva zokukala okanye izikhonkwane ezinobunzima obufanayo.Kungasetyenziswa ezinye izinto.</p> <p>Utitshala ubeka izinto ezinobunzima obahlukeneyo kwizikhongozeli ezifana ngqo, umzekelo, izkhongozeli zesonka samasi; ibhloko nebholia yetenesi.</p> <p>Bafundi maba:</p> <ul style="list-style-type: none"> <li>Ve umohluko wobunzima phakathi kweebhjekthi ežimbini, qajela ukuba yeyphi ekhaphu khaphu okanye enzima.</li> <li>Sebenzisa isikali ukufumana impendulo echanelekleyo.</li> <li>Cel'umngeni kubafundi bafumane izinto eklasini ezinobunzima obulinganayo.</li> </ul> <p>Ipitsi lesanti nendawo yokudala yamanzi maybe ziindawo ezibethelela ezinie ngo ikhaphu khaphu/inzima/ inzima ngakumbi esebeñzisa izikhongozeli ezahlukeneyo, isikali, isanti emanzi neyomileyo.</p> <p><b>NB: Hala nabafundi ngeli xa batthethayo, baxoxayo, naxa bacacisayo.</b></p>	<p>usuku olu- 1</p> <p>Isikali</p> <p>Izinto ezinje ngebhloko zeLeggo</p> <p>Izinto ezahlukeneyo ngobunzima ezinie ngeentsinjana zokukala nezikhonkwane. Izikhongozeli zesonka samasi, enye ibe nebholo enye inebhola yetenesi.</p> <p>Ipitsi lesanti</p> <p>Isitya somdalo wamanzi, isikhongozeli okanye isikhongozeli esivulekileyo sokusea iinkomo.</p>	<p>Ixesha eliqikelelweyo Ixeho ezcetyliswayo/ ezinokusetyenziswa</p>

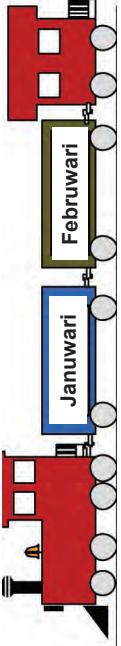
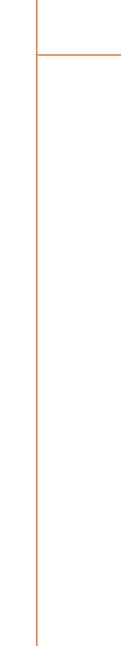
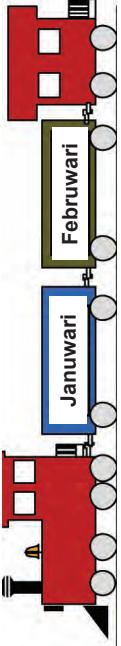
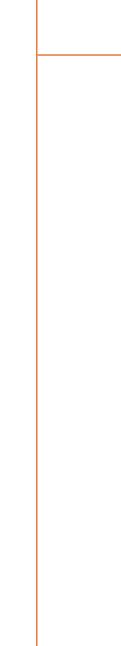
Iveki yama-30	<b>Ukusebenzisa ivedi yama-30 ukuqwalesela imiba abangekayibambi nezinto ezichongwe njengeziyimiqobo (izidingo) ekufundeni</b>
Inkalo yomxholo	<b>Imilinganiselo yoHlo</b>
Amanani, ukuBala noLwalamano	<p><b>1.1 ukubala izinto</b></p> <p>Qikelela nokubala ngokucengceleza ukuya kwi-7 (amaculo nezicengcelezo ngamanani zidityanisiwe ukuphuhilisa ingqiqo ngamanani)</p> <p>Bala ubuya umva nokubala usiya phambili (1-7)</p> <p>Yazi ukuba ngawaphi amaxesha okuqhawaba angaphezelu/ angaphantsi</p> <p>Nakana amanani Kwiimeko eziqhqeleteleyo umz. Ubudala ,irejista (isigma esiseteyenziswa xa kufundwa ngamanani) (Uku-Hloia kwakhona)</p> <p>Chonga imifanekiso yamanani namakhadi anamachaphazha ukuya kwianani lesi-7</p> <p>Zazi iisimboli zenani 5, 6, 7</p> <p>Nakana amagama amanani u-ntianu, mtrandathu, sixhenxe</p> <p>Yahilula phakathi kuka ngaphezelu, ngaphantsi nozilingana, ninzi nombalwa ukuya kwii-7</p> <p>Nakana imibala kwakunye neentlobo zezilwanyana kwimali engamaphepha yasemMzantsi Afrika.</p>
lipateni, neefankshini	<p><b>1.6</b></p> <p><b>Ubuchule bokusombulula lingxaki zezibalo</b></p> <p>Cacisa ingcina yakhno ngamazwi nangemizobo okanye izinto eziphathwayo</p> <p><b>1.7 no 1.13 Ukdibanisa nokuthabatha</b></p> <p>Ukusombulula ngomlomo lingxaki zokudibanisa nokuthabatha ukuya kwisi-7</p> <p>K opa, ukwandisa nokuyila ezakho iipateni usebenzisa imifanekiso</p> <p>Yazi indawo-bume yezinto ezi-2 nangaphezelu ngokunkulumenyo-ngaaphambili kwe,ngasemva,ngaphezulu kwe,phezu,ngaphantsi,ezantsi,ecaleni kwe,embindini,ekhohlo,ekunene</p> <p>Landela imiyalelo kwibhodi yeepegegi</p> <p>Zazi izaalathiso kwitsihatti yezalathiso</p> <p>Yakha usebenzisa umzekelo wesakhiwo</p> <p>Kopa isakhiwo kwikhadi eliyiliwego okanye lomfanekiso</p> <p><b>3.1</b></p> <p><b>Indawo-bume,ukufumana indwawo nembonakalao</b></p> <p>Yakha iipazli ubuncinci icicwili ezinga-1-8</p> <p>Nakana ,ukuchonga nokuxela isikwere</p> <p><b>3.2</b></p> <p><b>Izinto ezinokwakhaka kuka 3-D</b></p> <p>Qonda iiimilo azifundileyo (ulwazi lweemilo)</p> <p><b>3.3</b></p> <p><b>Izinto ezinokwakhaka kuka 2-D</b></p> <p>Qikelela nokuthattha umlinganiselo wobude bezinto ezahlukileyo</p> <p>Qonda amagama abonakalisa ubunzima "lula, nzima, lula kumenye, nzima kunene, lula kuzo zonke, nzima kuzo zonke"</p>
Umlinganiselo	<p><b>4.2 Ubude</b></p> <p><b>4.3 Ubunzima</b></p> <p><b>4.4 Umthamo/volumu</b></p> <p><b>5.1 Ukuqqokelela, nokuhlela izinto</b></p> <p><b>5.2 Ukuqkolela</b></p> <p><b>5.3 Ukuoxxa nokunikezelia ingxelo yengqokelela yezinto ezheliweyo</b></p>
Ukusebenzisa ulwazi oluqokelelwayo	<p>Qonda amagama abonakalisa umthamo "engenanto, egcweleyo, ngaphezulu kune, ngaphantsi kune"</p> <p>Yazi ukuqqokelela, ukuhlela, ukuzoba, ukufunda nokubonisa izinto (ukucalula) ngokophawu oluthile</p>

IKOTA YESI- 4 IMATHEMATIKA IBANGA LABAQALAYO(R)														
Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklassesi owangcisiweyo okhokela ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Umisebenzi yeMathematika ngeveki maybe ± 5)														
Ishloko	Amanqaku (notes) angcaciso	Izixhobo ezicetyiswayo	Ubude bexeshha obuqikelelwayo											
1.1 Ukubala	<ul style="list-style-type: none"> <li>Ukwazisa intsingiselo yenani i- 8</li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemiila ngemihla ukuya kwi-8 Bala usiya phambili nokubuya umva ukuya kwi-8 Bala ngokucengceleza 1-10</p> <p><b>Yazisa ukubala ngoonombini usebenzisa isicengcelezo samanani</b> <b>Bethelela ukubala ngolandelewano:</b> utitshala ubeka izinto ezine emgenci. Ukhomba kwinto nganye ngeli xa abalayo, eyokuala, eyesibini, eyesithathu, eyesine.</p> <p><b>Bethelela ingqiqo ka “uninzi nombalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA. Buza umbuzo ukuba kukuphi okona kuhqwaba kungaphezelu / kungaphantsi.</p>	<p>lingoma zamanani nezicengcelezo.</p> <p><i>Bini,ne,thandathu,bhozo Indoda enye esangweni Uthi ungxamile Bini, ne, thandathu, bhozo</i></p> <p>Utitshala makasebenzise eyakhe ingoma yamanani nesicengcelezo</p>	<table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table>	0	1	2	3	4	5	6	7	8	Usuku olu- 1	
0	1	2	3	4	5	6	7	8						

<b>Iveki yama- 31</b> <b>Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<p><b>Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</b></p>		
<b>Ishloko</b>	<b>Amanqaku (notes) angcaciso</b>	<b>Izixhobo ezicetyiswayo</b>	<b>Ubude bexesha obuqikelelwayo</b>
<b>1.3 lisimboli zamanani namagama amanani</b>	<ul style="list-style-type: none"> <li>• <b>Ukunakana iisimboli zamanani namagama amanani</b></li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Babale izinto eziseklasini ezibandakanya amanani u-1 ukuya kwi-8.</li> <li>- Babale ngezintu zokubala ukuya kwi-8.</li> </ul>	<p>Ingqokelela yezinto ezi-8 eziseklasini lzinto okanye izixhobo zokubala</p> 	<p>Usuku olu- 1</p>

Iveki yama- 31	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokela wa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi ye Mathematika ngeveki maybe ± 5)	Ishloko	Amanqaku (notes) angcaciso	Izixhobo ezicetyiswayo	Ubude bexesha obuqikelelwayo
1.4 <b>Ukuchaza, ukuthelkisa nokuhela amanani</b>	<ul style="list-style-type: none"> <li><b>Ukusebenzisa inani usi-8 kwimeko eqhelekleyo</b> <b>Ngomlomo:</b> Ukubala izinto zemiha ngemihla ukuya kwi-8. Ukubala usiya phambili nokubuya urva ukuya kwi-8. Ukubethelela ukubala ngezi-2 usebenzia izicengcelezo zamanani</li> </ul> <p><b>Ukubethelela inqiqo ngo “uninzi nombalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi..... YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utishala uqhwaba izandla ka-8.</p> <p>Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezelu / kungaphantsi.</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Benze inani usi-8 ngeminwe yabo.</li> <li>- Bakhe inani ngomtya okanye udongwe.</li> <li>- Babbale iiimboli zamanani kwiſithbe(tray) senttabathi</li> <li>- Bekä amakhadi esimboli yamanani amakhulu ngokulandeleanayo kumgangatho ukuya kwi-8.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo eznokwakheka kuka 3-D</b></p> <p>Utishala unika umfundi ngamnye iimbotyi ezi- 8, noonotsheluza abanamachaphaza asi-8.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Bapakishe ukhozo lwembotyi kwichaphaza ngalinye elikunotsheluza.</li> <li>- Babale liimbotyi.</li> <li>- Banxumanise unotsheluza wechaphaza kwigama lenani nakwizixhobo zokubala.</li> </ul>	<p>lingoma zamanani nezicengcelezo</p> <p>Umtya/ iwulu okanye udongwe. Isithebe esinentabathi</p> <p>Inggokolela yamakhadi amakhulu aneesimboli zamanani</p> <p>limboty ezsibhozo kumfundii ngamnye unotsheluza onamachaphaza, unotsheluza onegama,nezixhobo zokubala</p> 	Usuku olu- 1		

Iveki yama- 31	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi ye Mathematika ngeveki maybe ± 5)		
Ishloko	<p><b>3.3 Izinto ezinokwakheka kuka-2-D</b></p> <p><b>Amanqaku (notes) angcaciso</b></p> <p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Ubude bexesha obuqikelelwayo</b></p> <p>Usuku olu- 1</p> <p>Ukunakana, ukuchonga nokuxela izinto ezinokwakheka kuka 2-D eklasini nasemfanekisweni</p> <ul style="list-style-type: none"> <li>- <b>Ukfundisa uxande</b></li> <li>- <b>Ukfundisa usebenzisa intshukumo</b></li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Benze uxande olunamacala amane angqalileyo.</li> <li>- Bakhe iimilo ngemizimba yabo umz. Abafundi aba- 6 bakha uxande ngemizimba yabo.</li> <li>- Bakhe uxande besebebenzisa iminwe yabo .</li> <li>- Benze/ bakhe uxande nezijungqe zewulu okanye udongwe.</li> <li>- Bahambe ngaphandle kungqameko lwemilo yoxande. Njengokuba behamba abafundi bathi "ndihamba ecalenki koxande- linye icala elide, linye icala eliftushane, elinye icala elide, elinye icala eliftushane.</li> <li>- Beva iimilo ngiezanda. Basebenzisa iimilo zobungakanani obukhulu okanye babeka iintlobo zeemilo kwingsxowa empampathwayo (<i>feely bag</i>). Yiba nengqokoleta yamakhadi aneemilo ezizotywe kuwo. Umfundu uva iimilo engxoweni aze ayitshatise namakhadi.</li> <li>- Bazoba iimilo yoxande emoyeni, emhabeni/ kumgangatho (ngetshokhwé) ekugqibeleni bazobe ephepheni.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D ngokobungakanani,umbala nemilo</b></p> <p>Yenza abafundi bakhangele izinto ezizingxande eklasini.</p> <p><b>Ukusebenzisa iimilo/imifanekiso ezinokwakheka kuka 2-D</b></p> <ul style="list-style-type: none"> <li>- Ukučhonga iimilo eluxande kwimifanekiso</li> <li>- Ukučhonga zonke iimilo ezazisiweyo ukaza kuthi ga ngoku kwimifanekiso.</li> </ul> <p><b>Ukuhlela izinto ezinokwakheka kuka -3-D no- 2-D ngokobungakanani, umbala nemilo.</b></p> <ul style="list-style-type: none"> <li>- Ukuhlela ingqokolela yezinto ngokobungakanani, umbala nemilo.</li> </ul>	<p>Ubude bexesha obuqikelelwayo</p> <p>Usuku olu- 1</p> <p>Amakhadia emidlaio akhulisa unakanano lweemilo.</p> <p>Uboya okanye udongwe</p> <p>"Ingxowa empampathwayo" (Feely bag) eneentlobo zemilo zejiyometri. Ukutshatisa amakhadia neemilo ezizotywe kuwo.</p> <p>Iphepha elibukhulu buyi A4 nekhrayoni</p> <p>Izinto ezibuxande eklasini.</p> <p>Zonke iimilo ezifundiweyo ukaza kuthi ga ngoku: iintlobo zemifanekiso ezineemilo kuzo.</p>	

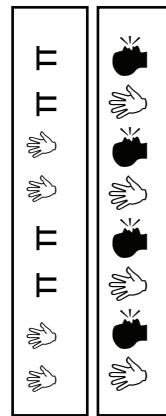
Iveki yama- 31 Umsebenzi omnye weklaši očwangcisiweyo okhokela wa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi ye Mathematika ngeveki maybe ± 5)	Ishloko	Amanqaku (notes) angcaciso	Izixhobo ezicetyiswayo	Ubude bexeshha obuqikelelwayo																																			
<b>5.1</b> <b>Ukuqokelela nokuhlela izinto</b>	<ul style="list-style-type: none"> <li>Ukubethelela ingqiqo yokusebenza ngolwazi oluqokelelweyo ngokuqokelela izinto eklassini okanye kokusingqongileyo ngokweempawu ezinikwewo, umzekelo, imihla yokuzalwa yabafundi .</li> </ul> <p><b>Ukuqokelela nokuhlela ulwazi</b></p> <ul style="list-style-type: none"> <li>Ukusebenzisa itshati yemihla yokuzalwa, ukuchaza imihla nenyanga yokuzalwa..</li> <li>Abafundi bancedisa ekwenzensi igrafu ukubona ukuba yeyiphi inyanga yonyaka ebonakala inemihla yokuzalwa eminanzi.</li> <li>Utitshala uzoba igrafu yeenyanya eziłi-12 zonyaka.</li> <li>Ngoncedo lukatitshala abafundi babeke amagama abo belandela inyanga yomhla yokuzalwa komfundni ngamnye .</li> </ul>	 	Itshati yomhla yokuzalwa																																				
<b>5.2</b> <b>Ukubonisa ulwazi</b> <b>Iwengqokelela yezinto ezhleliweyo</b>	<p><b>5.2</b> <b>Ukubonisa ulwazi</b> <b>Iwengqokelela yezinto ezhleliweyo</b></p> <table border="1"> <thead> <tr> <th>Janyuwari</th> <th>Februwari</th> <th>Matshi</th> <th>April</th> <th>Meyi</th> <th>Juni</th> <th>Julayi</th> </tr> </thead> <tbody> <tr> <td>Sipho</td> <td>Dali</td> <td>Noni</td> <td>Kabelo</td> <td>Lizo</td> <td>Selina</td> <td>Thabo</td> </tr> <tr> <td>Mavi</td> <td>Bongi</td> <td>Bongi</td> <td>Pat</td> <td>Titi</td> <td></td> <td></td> </tr> <tr> <td>Hlubi</td> <td>Celiwe</td> <td>Tim</td> <td>Thandi</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dolly</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Abafundi babala amagama babbhale inani lilonke lemhla yokuzalwa phantsi kwenyanga nganye..</li> <li>Abafundi battelekisa inani lemhla yokuzalwa kwilinyanga ezohlukenejo.</li> </ul> <p>Utitshala ubuiza imibuzo enjengale:</p> <ul style="list-style-type: none"> <li>"Yeyiphi inyanga enimihla yokuzalwa emininz?"</li> <li>"Yeyiphi inyanga enimihla yokuzalwa eminincane?"</li> <li>"Ziziphi inyanga ezinenani elifanayo lemhla yokuzalwa? Ziyalinganal."</li> <li>"Ziziphi inyanga ezinamakhwenkwe amaninzi akhumbula imihla yawo yokuzalwa?"?</li> <li>"Ziziphi inyanga ezinamantombazana amaninzi akhumbula imihla yawo yokuzalwa?"?</li> </ul> <p>Abafundi baxoxa ngeziggibo ezilandelayo:</p> <ul style="list-style-type: none"> <li>Ujanyuwari uneyon a mihla yokuzalwa mininzi. Abafundi abane bakhumbula imihla yabo yokuzalwa ngojanyuwari.</li> <li>Akukho zikhumbuzzo zamihla yokuzalwa ngoMatshi.Inye inyanga apho kungekho bafundi bakhumbula imihla yabo yokuzalwa.</li> <li>Ezinye inyanga zinemihla yokuzalwa elinganayo njl. Ziziphi ezi nyanga?</li> </ul>	Janyuwari	Februwari	Matshi	April	Meyi	Juni	Julayi	Sipho	Dali	Noni	Kabelo	Lizo	Selina	Thabo	Mavi	Bongi	Bongi	Pat	Titi			Hlubi	Celiwe	Tim	Thandi				Dolly							 	Zoba iniqolo eli-12 kumcu omkhulu wephephha.Bonisa ngekhadi lamagama iinyanga abafundi abakhumbula ngazo imihla yokuzalwa.Sebenzisa iishiti eził 3 zephephha elibukhulu bungama A2 elizotywe imiqolo.	
Janyuwari	Februwari	Matshi	April	Meyi	Juni	Julayi																																	
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1.1	<ul style="list-style-type: none"> <li><b>Ukubethelela a ulwazi olufunyenwe kwiveki yama-31 oluquuka inani elingusi- 8.</b></li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemiha ngemihla ukuya kwi-8 Ukubala usiya phambili nokubuya umva ukuya kwi-8 Ukubala ngokucengceleza u-1 ukuya kwi-10</p> <p><b>Ukubethelela ukubala ngezi- 2 usebenzisa icengcelezo zamanani</b></p> <p><b>Ukubethelela “uminzi nombala”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA. Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla ka-8 Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezelu / kungaphantsi</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Makudalwe umdlalo:</p> <ul style="list-style-type: none"> <li>- Utitshala udlala ngesixhobo- umz. Igubu</li> <li>- Abafundi bayajikeleza .</li> <li>- Xa igubu liyeka ukukhala, utitshala ubiza inani eliphakathi kuka- 1 ne-8 ze abafundi bazilungise ngamaqela amancinane umz. Utitshala ubiza inani eli-8 baze abafundi bazilungise ngamaqela anabafundi aba-8</li> <li>- Bonisa iminwe e-8 kwizandla zakho zozibini.</li> <li>- Yakhha ingqokelela nabafundi.Zoba isangqa esikhulu entlabathini.Yenza abafundi bakhhe amaqela abafundi aba-8 ngaphakathi kwasanqqa.Amaqela abafundi abasi-8 bangenza umsebenzi kune ngemini umz. Badiale kwikona yebhloko, baye kwindawo yomsebenzi wobuGcisa (art area) ηj.</li> </ul>	<p>Ukubala izinto zemiha ngemihla ukuya kwi-8 Ukubala usiya phambili nokubuya umva ukuya kwi-8 Ukubala ngokucengceleza u-1 ukuya kwi-10</p> <p><b>Ukubethelela ukubala ngezi- 2 usebenzisa icengcelezo zamanani</b></p> <p><b>Ukubethelela “uminzi nombala”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA. Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla ka-8 Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezelu / kungaphantsi</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Makudalwe umdlalo:</p> <ul style="list-style-type: none"> <li>- Utitshala udlala ngesixhobo- umz. Igubu</li> <li>- Abafundi bayajikeleza .</li> <li>- Xa igubu liyeka ukukhala, utitshala ubiza inani eliphakathi kuka- 1 ne-8 ze abafundi bazilungise ngamaqela amancinane umz. Utitshala ubiza inani eli-8 baze abafundi bazilungise ngamaqela anabafundi aba-8</li> <li>- Bonisa iminwe e-8 kwizandla zakho zozibini.</li> <li>- Yakhha ingqokelela nabafundi.Zoba isangqa esikhulu entlabathini.Yenza abafundi bakhhe amaqela abafundi aba-8 ngaphakathi kwasanqqa.Amaqela abafundi abasi-8 bangenza umsebenzi kune ngemini umz. Badiale kwikona yebhloko, baye kwindawo yomsebenzi wobuGcisa (art area) ηj.</li> </ul>	<p>lingoma nezicengcelezo zamanani</p> <p>Igubu</p>	<p>Usuku olu- 1</p>	

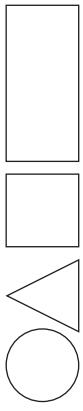
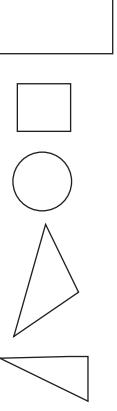
Iveki yama- 32 Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)
Ishloko	Amanqaku angcaciso
1.1 Ukubala izinto	<p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Basebenzise izixhobo zokubala ukunakana ukuba ngawaphi amanani eza ngaphambi kwası-8 nasemva kwesi- 5? Lilphi inani eliphakathi kwesi- 6 nosi-8 ?</li> <li>- Babale izinto ngambini:           <ul style="list-style-type: none"> <li>o Izibini zezihangu</li> <li>o Izibini zeekawusi</li> <li>o Izibini zamehlo amabini,</li> <li>o Izibini zamacici,</li> <li>o Izibini zeendlebe</li> <li>o Izibini zemilenze</li> </ul> </li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Xa kuthathwa irejista yobukho utitshala ubuza."Ingaba umfundu onenombolo yendlu okanye idilesi ..... ulapha?" umfundu makaphendule ngokubonisa ukuba "ulapha".</li> <li>- Phinda ngemini elandelayo ngeenombolo zemfonzo-mfono neenombolo zese(i(cell)).</li> </ul>

Iveki yama- 32	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki mayibe ± 5)	Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ubude bexeshaa obuqikelelwayo
1.7 <b>Ukudibanaisa nokuthabatha</b>	<ul style="list-style-type: none"> <li><b>Ukusombulula ngomilomo izibalo zamanani zamazwi ezipbandakanya inani eli- 8</b></li> </ul> <p>Ukfunda usebenzisa intshukumo yamalungu omzimba</p> <ul style="list-style-type: none"> <li>Utitshala uncedisa abafundi ukwenza iqela labafundi aba-6 nelinye iqela elinabafundi aba- 2.</li> <li>Dibanisa amaqela ama- 2 ukwenza iqela eli- 1.</li> <li>Buzza abafundi ukuba Bangaphi abafundi kwiqela elidityanisiweyo? 6 no- 2 → 8.(utitshala uthi: u- 6 no zi- 2 benza i- 8)</li> <li>Yenza iqela labafundi aba- 8. Thathha abafundi aba- 3 benze iqela elincinci. Bangaphi abafundi abashiyekе kwiqela elikhulu? Ba-8 uthabathe aba- 3 → 5.</li> <li>Khetha abafundi ababini usebenzisa isicengcelezo sokubala.</li> <li>Beka amasebe ama-4 kwisandla esinye somfundi namasebe ama-4 kwesinye isandla somfundi. Mangaphi ewonke amasebe ngoku? U-4 no 4 → 8.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Nika umfundsi ngamnye amasebe a-8 .</p> <ul style="list-style-type: none"> <li>UTshidi unamasebe ama-6 umhillobo wakhe unamasebe ama-2. Mangaphi amasebe abanawo ewonke? u - 6 no - 2 → 8.</li> <li>UMonica unamasebe asi-8. Ulahle amasebe ama-2.Ushiyye amasebe amangaphi ulMonica? Asi- 8 uthabathe 2 → 6.</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Utitshala ubeka imifanekiso emi-2 kwibhodi yeflaneli .Wongeza eminye imifanekiso emi-5. Mingaphi imifanekiso ekwibhodi yeflaneli ngoku? Uži-2 nozi 5 → 7.</li> <li>Beka iiilo ezi-8 kwibhodi yeflaneli. Thabatha iiilo ezi-5 kwibhodi yeflaneli. Kushiyekе zingaphi? .zisi-8 uthabathe 5 → 3.</li> </ul>	<p>Amaqela abafundi</p> <p>Amasebe</p> <p>Isicengcelezo sokubala:</p> <p>Amasebe</p> <p>Isicengcelezo: Yenza esakho</p> <p>(1, 2, 3, 4, 5</p> <p>Ndakha ndabambisa inttazi iphilā</p> <p>6, 7, 8, 9, 10</p> <p>Ndabuya ndayiyeka yahamba)</p> <p>Amasebe</p> <p>Imifanekiso/neemilo zebbhodi yeflaneli.</p>	<p>Usuku olu- 1</p>		

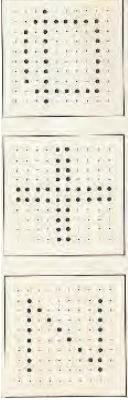
Iveki yama- 32	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)		
Ishloko	<p><b>2.1</b></p> <p><b>lipateni zejiyometri</b></p> <ul style="list-style-type: none"> <li><b>Ukukopa nokwandisa ipateni eziviwayo</b></li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Abantwana bahamba nesinqi somculo ngemizimba yabo umz..</p> <ul style="list-style-type: none"> <li>- ngqisha, ngqisha, ngciloza,ngciloza.....</li> <li>- Tsiba ngomlenze omnye, tsiba ngemilenze emibini,tsiba ngemilenze emibini.....</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D .</b></p> <p>Nxulumanisa nobuGcisa beQonga, umculo kwizakhono zoBomi</p> <p>Abafundi bahamba nesinqi somculo gezandia zabo baphatthe amathanga abo umz.</p> <ul style="list-style-type: none"> <li>- Qhwaba, qhwaba, betha,betha (qhwaba ngezandla ubethe amathanga ngezzandla.</li> <li>- Utitshala wenza amakhadi esinqi abafundi bawaphinde ngokuqhwaba isinqi (basebenzise izandla ukuqhwaba neenyawo ukungqisha)</li> </ul> <p>Umz..</p>	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Ubude bexeshha obuqikelelwayo</b></p>	<p>Usuku olu- 1</p> <p>Isidali mculo (CD)</p> <p>Ukubethana kwamalungu onzimba</p>



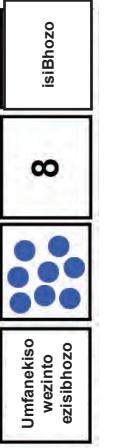
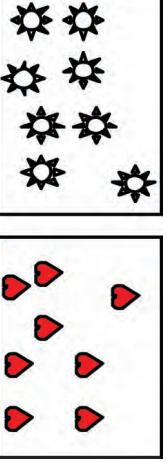
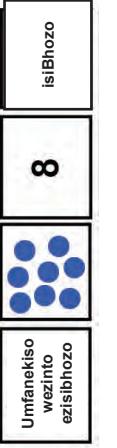
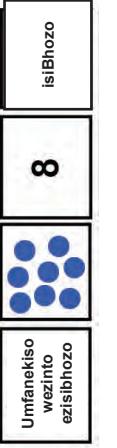
- qhwaba,qhwaba, ngqisha, ngqisha, .....
- qhwaba ukhwaze, qhwaba, khwaza.....

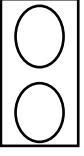
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Ishloko  <b>3.3 Izinto ezinokwakheka kuka-2-D</b>	<p><b>Amanqaku angcaciso</b></p> <p><b>Ukunakana, ukuchonga nokuchaza imilo ezinokwakheka kuka 2-D eklasini</b></p> <ul style="list-style-type: none"> <li>• <b>ukubethelela ulwazi ngoxande</b></li> </ul> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Benze/bakhe iimilo ngemizimba yabo umz-abafundi aba-4 bakha uxande ngemizimba yabo.</li> <li>- Bakha uxande besebeenzisa iminwe yabo.</li> <li>- Benza uxande besebeenzisa izinti ezi-6 zemathisi.</li> </ul> 	<p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Amakhadi emidlalo akhulisa unakano lweemilo.</b></p> <p><b>Izinti zemathisi</b></p> <p>Iwulu okanye udongwe. Ingxowa empampathwayo ("Feely bag") eneemilo zejiyometri ezahlukileyo.</p>  <p>Quka iimilo ezinkulu nezincinane kunye noonxantathu bee-engile (angles)ezahlukeneyo kwingxowa empampathwayo umz.</p>  <p>Tshatisa ingqokelela yamakhadi ekuzotyywe kuwo iimilo</p> <p>Iphepha elibukhulu buyi-A4 nekhrayori</p>

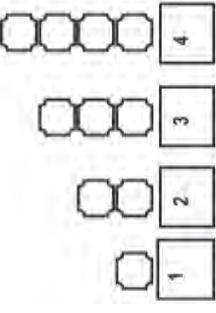
Iveki yama- 32	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ubude bexesha obuqikelelwayo
3.3 <b>Izinto ezinokwakheka kuka 2-D</b>	<b>Sebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> - Yenza abafundi bajonge izinto ezimile okoxande eklasini <b>Sebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b> Ukulalai umdialo: "Yeyiphi elahlekileyo?" - Ukubekha iimilo ezinokwakheka kuka 2-D (zingabingaphezulu kweemilo ezi- 5) kwiphetshana embindini wekhaphethi umz.iimilo ezikumidalo we-Logi . - Xoxa ngemilo nganye nabafundi. - Nika abafundi ithuba lokufunda gentilloko iintlobo zeemilo ezikwiphetshana. - Abafundi bavala amehlo abo. - Utitshala ususa enye yemilo. - Abafundi mabavule amehlo abo batsho imilo elahlekileyo. - Phinda inkqubo. - Ukukhuthaza ukukhuliswa kweemilo zejiyometri ngokunkika iintlobo zamakhadi zemidalo enjenge "yintoni esesikwereni?" okanye nokuba nguwuphi umdala.			lindidi zeemilo umz. limilo zelogi	

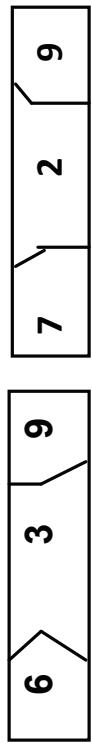
Iveki yama- 32	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi ye Mathematika ngeveki maybe ± 5)	
Ishloko	<p><b>3.1 Indawo bume ukufumana indawo nembonakalo</b></p> <p>Indawo bume yezinto ezimbini okanye nangaphezulu ngokunxulumene nenyen Ukufunda usebenzisa intsnukumo yomzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Beme phakathi kwezinto ezimbini okanye abafundi ababini</li> <li>- Beme ngasecaleni kwentombazana enxibe ilokhwe ebhlowu</li> <li>- Beme ngasecaleni kwerkenkwé eneembadada ezimbala umdaka (brown).</li> <li>- Bahambe phakathi kweebhokisi.</li> <li>- Bagaqe bejikeleza itafele.</li> <li>- Bagaqe phantsi kwestitulo.</li> <li>- Babeke isitulo phambi kwabo.</li> <li>- Babeke isitulo emva kwabo.</li> <li>- Beme kwizitulo zabo.</li> <li>- Bahale kumgangatho.</li> <li>- Babeke izitulo ngaphezu kwabo.</li> <li>- Babeke izitulo emacaleni abo.</li> <li>- Babeke izitulo kwicala labo lasekhohlo / lasekunene.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Yenza abafundi bagqibzele iphazili enimifanekiso yabantu okanye izilwanyana.</li> <li>- Bahloha amaso ngokonyaleo katitshala umz.hlohlha amaso abormvu. Beka iliso elliluhaza ecaleni kweli bomvu njl.</li> <li>- Hlohlha amaso ngokokulandeletana kwemifanekiso oyinikiweyo.</li> </ul> <p><b>Ukusebenzisa kumaqela amancinane.</b> Utitshala unika abafundi ipheghibhodi kune neephegi ezigcwele isandla.</p> <p>Nika le miyalelo ilandelayo:</p> <ul style="list-style-type: none"> <li>- Beka iiphegi ezimbini ezibomvu kumphezelu wekona esekhohlo.</li> <li>- Beka iphegi eluhaza ngasekunene kwephegi ebomvu.</li> <li>- Beka iphegi enye ebhlowu ngaphantsi kwephegi eluhaza njl.</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Zoba abantu okanye izilwanyana ezingenangalo okanye imilenze okanye ezingenamikhono uceil abafundi bagqibzele umzobo.</li> </ul>	<p>Amangaku angcaciso</p> <p>Izixhobo ezicetyiswayo</p> <p>Ubude bexesha obuqikelelwayo</p> <p>usuksa olu- 1</p> <p>Izitulo ezi - 2.</p>  <p>liphazili Amaso azza kuhlohlwa lipheghibhodi neephegi</p> 
		<p>Amaphedha okusebenzela (Worksheets)</p> <p>anemizobo</p>

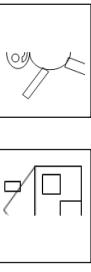
Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi ye Mathematika ngeveki maybe ± 5)		
Ishloko	<p><b>1.3 Ukubala izinto</b></p> <p><b>Ukubala izinto</b></p> <p>Ukubethela ulwazi olufunyenwe kwiveki yama-31 neyama-32 eziquka amanani u-1 ukuya kusi-8</p> <p><b>Ngomlomo:</b> Ukubala izinto zemiila ngemihla ukuya kwi-8</p> <p>Bala usiya phambili nokubuya umva ukuya kwi-8</p> <p>Bala ngokucengceleza u-1ukuya kwi-10</p> <p><b>Bethela ukubala ngezibini usebenzisa isicengcelezo samanani</b></p> <p><b>Bethela ukubala ngodandelewano</b></p> <p>Utishala ubeka izinto ezi-8 emgenci. Ukhomba kwinto nganye ngeli xa abalayo, eykuqala, eyesibini, eyesithathu, eyesine, eyesihantu.</p> <p><b>Bethela ingqiqo “uninzi nombalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YIMA.</p> <p>Qhwaba izandla amaxesha ambalwa. Utishala ughwaba izandla ka-8</p> <p>Buza umbuzo ukuba kukuphi okona kuqhwaba kungapehezu / kungaphantsi.</p>	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo ezicityiswayo</b></p> <p><b>Ubude bexeshha obuqikelelwayo</b></p>	<p>Usuku olu- 1</p> <p>lingoma nezicengcelezo zamanani</p>
	<p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Abafundi basebenzisa imizimba yabo ukwakha isimboli yenani.</li> <li>- Utishala wenza amanani kwimathriyeli eyahlukeneyo enokuviva ngabantwana umz. Iphepha lokukuhla (sandpaper) udongwe/umtya.</li> <li>- Benza izicengcelezo/lingoma zamanani.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Ukusebenzisa izinto eziphathekayo ezinjenge bhloko nezilwanyana ezenziwe ngeplastikii.</li> <li>- Ukuzbala, ukuzihlela, ukubeka ezsibibozo engceri njl.</li> </ul> <p>Yahlulaa abafundi ngokwamaqela.</p> <p>Beka infumba yezilwanyana zasekhaya embindini weqela ngalinye Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Basebenze ngababini eqeleni beqikelela ukuba zingaphi izilwanyana ezikwimfumba.</li> <li>- Isibini nganye sitthatha ikhadi lenari ukutshatisa ingqikelelo yabo.</li> <li>- Babale elona nani lezilwanyana.</li> <li>- Isibini singafumana inkwenkwezi ibekwe kumabunzi abo.</li> <li>- Phinda ngokubeka inani elahlikileyo lezilwanyana embindini wekhaphethi.</li> </ul>	<p>lisimboli zamanani amakhulu awenziwe ngephepha lokukuhla</p> <p>libhloko nezilwanyana zokudlla zasefama zeplastikii</p> <p>izilwanyana zasekhaya zeplastiki ezili-9</p> <p>liseti zamakhadi eesimboli zamanani ezimbawla.</p> <p>linkwenkwezi zokuvuza</p>	

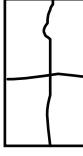
Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama $\pm$ 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe $\pm$ 5)	Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ubude bexesha obuqikeyelwayo
1.3 lisimbole zamanani kunye namagama amanani	Ukunakana nokuchongga iisimboli zamanani namagama amanani abandakanya amanani u-1 ukuya kwi-8  Ukusebenzisa iimilo ezinokwakhka kuka 2-D okanye imifanekiso - Tshatasa isimboli yenani kumfanekiso ochanekileyo. - Umfundu makaqonde ukuba iqela lezinto linganenani elifanayo lezinto.				

Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	Ibihloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ubude bexeshha obuqikelelwayo
1.4 <b>Chaza, uthelekie uze ulandelelanise</b>	<ul style="list-style-type: none"> <li>Ukulandeleanisa nokuthtelekisa ingqokelela yezinto kusetyenziswa “ungaphezelu kune/ngaphantsi kwe” no “zilingana” ukuya kwi-8</li> </ul> <p><b>Ngomlomo:</b> Ukubala izintio zemihiла ngemihla ukuya kwi-8 Bala usiya phambili nokubuya umva ukuya kwi-8</p> <p><b>Bethela ukubala ngezi- 2 usebenzisa icengcelezozamanani</b></p> <p><b>Ukubethela inqiqo ka “ninzi no-mbalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi..... YIMA. Qhwaba izandla amaxesha ambalwa. Utitshala uqhwaba izandla kasi-8</p> <p><b>Ukufunda usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Utitshala ubeka iibhloko ezisi-8 etafileni. Abafundi mabaqkelela inani leebhloko naphandle kokuzibala.</li> <li>Utitshala ubuza: <ul style="list-style-type: none"> <li>“Ingaba iibhloko zingaphezu kwesithathu?”</li> <li>Abafundi bajonga impendulo yabo ngokubala iibhloko</li> <li>“belusondele kangakanani uqikelelo lwakho?</li> </ul> </li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>Yakha iqela labafundi aba- 4. Nika iqela ngalinye izixhobo zokubala ezi-8 nephepha elizotywe izangqa ezbini ezikhulu. Biza izangqa ngeendlwane.</li> <li>Abafundi babeka izixhobo zokubala kwindlwana nganye ngokomyalelo katitshala batsho ukuba zingaphi</li> <li>Abafundi batthelekisa “iindlwana” baxele ukuba yeyiphi indlwana “engaphezelu kunenye”, “engaphantsi kunenye”, “efanayo” okanye enezixhobo zokubala “ezilinganayo”.</li> </ul>	<p>lingoma nezicengcelezozamanani iibhloko</p> <p>Izixhobo zokubala</p> <p>Izixhobo zokubala</p> <p>Iphepha elibukhulu buyi A4 elineendlwana ezimbini ezizotyweyo.</p> 	Usuku olu- 1		

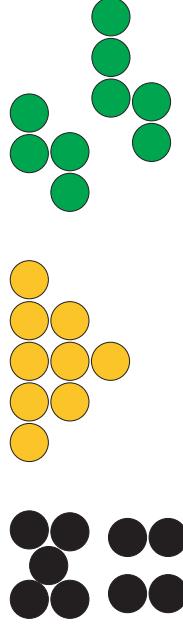
<b>Iveki yama-33</b> <b>Umsebenzi omnye weklaši očwangcisiwéyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<b>Ixesha elicetyiswayo lokufunda nokufundisa:</b> <b>Chaza, uthelekie uze ulandelelanise</b>	<b>Ibihokisi ezizikwére ezincamatheylanayo (Unifix cubes)</b> <b>Amakhadi eesimboli zamanani u-1ukuya kusi-8</b>	<b>Ubude bexeshá obuqikelelwayo</b> <b>Usuku olu- 1</b>
<b>1.4</b> <b>Isihloko</b>	<b>Amanqaku angcaciso</b>	<p>Yahlula abafundi ngokwamaqela</p> <ul style="list-style-type: none"> <li>Nika iqela ngalinye iityhubhu zeyunifekisi ezincamatheylanayo (unifix cubes) <b>ezininzi</b> nengqokelela yamakhaci eesimboli zamanani aqua amanani u-1 ukuya kwisi-8</li> <li>Yenza iqela lenze incocchoyi (ithawa) uze ulipnawule ngelebheli incocchoyi nganye ngenani leetyhubhu ezisetyenzisiwéyo umz.</li> </ul> 	<b>Ibihokisi ezizikwére ezincamatheylanayo (Unifix cubes)</b> <b>Amakhadi eesimboli zamanani u-1ukuya kusi-8</b>
<b>1.13</b> <b>Ukudibanaisa nokuthabatha</b>	<p><b>Imilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Utitsala ubonisa amakhadi amabini anamachaphaza amanani ahlikileyo nemifanekiso.</li> <li>Yenza abafundi battelekise amakkathi anemifanekiso namachaphaza ukuchonga e'ngapezelu kunenyé, "ngaphantasi kunenyé" no "zilingana".</li> </ul> <p><b>• Ukusombulula ngomlomo iingxaki zokudibanaisa nokuthabatha ukuya kwí-8</b></p> <p><b>Ngomlomo:</b> Ukubala izinto zemihla ngemihla ukuya kwí-8 Ukubala usiya phambili nokubuya umva ukuya kwí-8 Kubethelela ukubala ngezi- 2 usebenzisa izicengcelezo</p> <p><b>Ukubethelela ingiqiqo ngo “ninzi no-mbalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi..... YIMA. Qhwaba izandla amaxesha ambalwa. Utitsala uqhwaba izandla ka-8 Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezulu / kungaphantsi.</p>	<p><b>Oonotsheluza bamachaphaza nemifanekiso</b></p> 	<b>Usuku olu- 1</b>

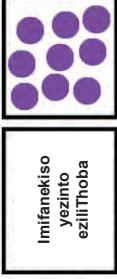
Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)		
1.13 <b>Ukudibanaisa nokuthabatha</b>	<p><b>Ishloko</b></p> <p><b>Ukfunda usebenzisa intsnukumo yomzimba</b></p> <p>Imizekelo:</p> <ol style="list-style-type: none"> <li>Utitshala ubiza abafundi aba-3 ukuba beze ngaphambili.Abafundii bayababala.</li> <li>Utitshala ubiza abanye abafundi aba-2 abuze ukuba: "Bangaphi abafundi bebonke?" 2 → 5. (uttishala uthi: u-3 no- 2 benza u- 5)</li> <li>Utitshala upakisha izitlu ezbini. Ongeze ezimbini ngaphhezelu. Zingaphi izitlu ezhphaya ngoku? Uzi- 2 nozi- 2 →uzi- 4.</li> <li>Utitshala uphakamisa isandla esinye.aze athi: "bala iminwe yam. Ukuba ndifhila umnwe omnye, mingaphi iminwe oyibonayo? Zi- 5 uthabathe ibe- 1 → 4.</li> <li>Yenza abafundi babale iminwe kwsinye sezandla zabo. Fihla umnwe wakho omnye; mingaphi iminwe oyibonayo? Zi-5 uthabathe ibe-1 →zi-4.</li> </ol> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Yenza abafundi bapakishe izixhobo zokubala ezi-6 uez wenze oku kulandelayo:</p> <ul style="list-style-type: none"> <li>Utitshala unika umfundii ngamnye izixhobo zokubala ezi-6. Utitshala unika imiyalelo ze abantwana baphendule umz.pakisha izixhobo zokubala ezi-2, yongeza esinye, yongeza ezi-3.Zingaphi zizonke. U- 2no-1 no-3→isi-6.</li> <li>Bala izixhobo zokubala ezi-4. Bala ezi-2 ukusuka kuzi-4.Zingaphi onazo ngoku? U- 4 no- 2 →isi- 6.</li> <li>Bala onke amaso onawo. Ukuba wogquma amaso amabini ngesandla sakho, mangaphi amaso owabonayo? Isi-6 uthabathe zibe-2 →zi- 4.</li> </ul> <p><b>Ukusebenzisa imilo okanye imifanekiso ephathekayo enokwakheka kuka 2-D</b></p> <p>Yenza iphazili yamanani uez uvumele abafundi baphicothe ngephazili</p> <p>Iphazili yamanani</p> 	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Ubude bexesha obuqikelelwayo</b></p>	

Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiwéyo okhokelwa ngutitshala (isangqa) wemizuzu engama $\pm$ 30 ngosuku (imisehenzi) ye Mathematika ngeveki maybe $\pm$ 5)		
3.3 Izinto ezinokwakheka kuka 2-D	<p><b>Ishloko</b></p> <p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Ubude bexesha obuqikelelwayo</b></p> <p>Usuku olu-1</p> <p><b>Ukunakana, ukuchonga nokuchaza izinto ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li><b>Ukuzakhela ingqinqo yento engqondweni</b></li> <li><b>Ukfunda usebenzisa intshukumo yomzimba</b></li> </ul> <p><b>Utitsala uchaza into abuze abafundi ukuba iyintoni umz.</b></p> <ul style="list-style-type: none"> <li>'ndicinga ngento ebomvu, enamavili amane, iringcango ezine neefestile ezivulekayo yenze isandi "vuum". Io msebenzi ungenziwa ngamaqela ujikwe ubelukhuphiswano – elinye iqela kufuneka lichaze, elinye iqela liqikelele ukuba iyintoni na le kutthethwa ngayo</li> <li>Chaza umntu uze ucele abafundi ukuba bamchonge umuntu lowo .</li> </ul> <p><b>Ukusebenzisa iimlo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Bonisa umfundi umfanekiso umenze awujonge. Wuthathé ucele umfundi ukuba achaze inkukacha ngokokuzikhumbula kwakhe.</li> <li>Thatha umfanekiso ube myne usike iinxenyé zawo. Beka umfanekiso osikiwéyo neenxenyé zawo ebbokisini uze ucele abafundi ukuba bakhangele iinxenyé ezialhlakileyo zomfanekiso ngamnye abawukhetayeo.</li> <li>Zoba umfanekiso ongaphelalanga kwhetshana ucele abafundi bagqibezele umfanekiso</li> </ul>	<p>umfanekiso oneenxenyé ezisikiwéyo</p> <p>umzobobo ongagqitywanga</p> 	

Iveki yama-33	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši owangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)		
Ishloko	<p><b>3.4 Ulingano- macala</b></p> <ul style="list-style-type: none"> <li>Ukukhulisa ulwazi lokuba womntu unecala lasekhohlo nelasekunene elinokushukuma ngokuzimeleyo</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Beka ibhanti elinwebekayo (elastic band) kwisihlahla sasekunene somfundi ngamnye.</li> <li>Cula iculo elementshukumo: "ndibeka unyawo lwasekhohlo phakathi"</li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>Babeke izandla zabo zasekunene kwiintoko zabo.</li> <li>Baphathe amaddolo abo asekhhohlo ngeengqiniba zabo zasekunene.</li> <li>Baphathe amagxa abo asekunene ngezandla zabo zasekhohlo njii.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Nika umfundni ngamnye iibhloko zokwakhha</p> <p>Yenza abafundi ukuba bahiale kwikhaphethi:</p> <ul style="list-style-type: none"> <li>Mababeke iibhloko kumacala abo asekunene/ amacala asekhhohlo</li> <li>Ngamagxa abo asekhhohlo/ amagxa asekunene</li> <li>Ngamadolo abo asekhhohlo/ amaddolo asekunene njii.</li> <li>Ngonyawo lwasekhohlo /kunene njil-njii.</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>Umfundi ngamnye ufumana iphepha nekhrayoni.</li> <li>Yenza abafundi bazobe umgca kumbindi wephepha ukusuka phezzulu kuye ezantsi nomnye umgca embindini ukusuka ekhhohlo kuye ekunene.</li> <li>Utitshala unika imiyalelo: <ul style="list-style-type: none"> <li>Beka umnwe wakho kumbindi wormqamlezo .</li> <li>Zoba isangqa kwibhloko ekumphezzulu osekhhohlo.</li> <li>Zoba unxantathu kwibhloko ekumzantsi osekunene .</li> <li>Zoba isikwere kwibhloko ekumphezzulu osekunene.</li> <li>Zoba uxande kwibhloko ekumzantsi osekhhohlo</li> </ul> </li> <li>Xoxa ngephowusta yomfanekiso. Abafundi baphendula imibuzzo ebenza bacacise (ngaphandle kokubonisa) indawo bumillo yezintio emfanekisweni.</li> </ul>	<p>Amanqaku angcaciso</p> <p>Izixhobo ezicetyiswayo</p> <p>Ubude bexesha obuqikelelwayo</p>	<p>usuks olu- 1</p> <p>lingoma/ izicengclezo zenishukumo umz. "Ndibeka unyawo lwasekhohlo ngaphakathi"</p> <p>Yenza ezakho izicengcelezo</p> <p>Ibhloko yomfundi ngamnye</p> <p>Iphepha</p> 
3.1 Indawo-bume,ukufumana indawo nembonakalo			

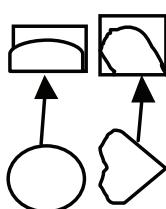
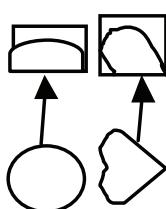
<b>Iveki yama-34</b> <b>Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<b>Ixesha elicetyiswayo lokufunda nokufundisa:</b> <b>Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<b>Ishloko</b> <b>1.1 Bala izinto</b>	<p><b>Amanqaku angcaciso</b></p> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani isi- 9</b></li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemiha ngemihla ukuya kwi-9 Ukubala usiya phambili nokubuya urva ukuya kwi-9 Ukukhumbuza ukubala ngezi- 2 usebenzisa icengcelezo zamanani</p> <p><b>Ukubethelela ukubala ngolandelelwano:</b> Utishala ubeka izinto ezine emgenci. Ukhomba kwinto nganye ngeli xa abalayo, eyokuqala, eyesibini, eyesithathu, eyesine.</p> <p><b>Ukubethelela inqiqo ka “minzi no -nbalwa”</b> Qhwaba izandla amaxesha amaninzi.....YIMA. Qhwaba izandla amaxesha ambalwa. Utishala uqhwaba izandla kali-9 Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezelu / kungaphantsi.</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b> Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Babale ukuya kwi-9 ngoku banyuka izitephu.</li> <li>- Bazoba inani uli-9 esantini/ phantsi/emhlabenii bahambe phezu kwaloo.</li> <li>- Baqhwaba izandla amakesha ali-9.</li> <li>- Banakana amanani u-1 ukuya kwi-9 ngengqokelela yeesimboli zamanani amakhulu.</li> <li>- Sebenzisa ezakho lingcinka ukwenza abafundi babonakalise amava ngentsingiselo yenani uli-9 ngemizimba yabol/ ngamalungu emizimba yabo.</li> </ul>	<b>Irixhobo ezcicetyiswayo</b> <i>lingoma nezicengcelezo zamanani</i>	<b>Ubude bexeshha obuqikelelwayo</b> <i>iintsku ezi- 2</i>
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Iveki yama-34	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)												
Ishloko	<p><b>1.6 Ubuchule bokusombula iingxaki</b></p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <p>Utiishala ujila umgca manani okanye iliei phantsi okanye emhlaben:</p> <ul style="list-style-type: none"> <li>- Utitsala unika imiyalelo enjenga le:</li> <li>- Yina kwiqanda okanye qala kwiqanda.</li> <li>- Bala njengoko ushukuma.</li> <li>- Shenxa uye kwinani uzi-5. Buya umva uye kwinani u-2. Shenxela ngaphambili uye kwinani si-8.</li> <li>- Shenxela kwinani usi-3. Shenxa inani libe li-1 ngaphambili. Shenxa amanani ama-2 ukuya emva .</li> <li>- Liliphi inani eliza emva kwe-3 ?</li> <li>- Liliphi inani eliza ngaphambi kwe-7?</li> <li>- Ukukhulisa ulwazi logcino manani ngokwenza abafundi bapakishe izixhobo zokubala okanye nayiphi na into ngeendlela ezahlukeneyo umz.</li> </ul>  <p>Xa kubalwa, inani lezinto malingachatshazelwa bubungakanani, okanye ubume bendawo, okanye nokuba zezhoulobo olunye. Umzekelo.</p> <ul style="list-style-type: none"> <li>- Cwangcisa amaghosha ali-9, ipensile ezili- 9, oohupu abali- 9, abafundi abali-9, njl.</li> <li>- Bala izinto ngokulandeleana okwahulkileyo umz. zibale ziqaqelene, zisondelelene, zisemgenci okanye zipakishiive</li> </ul> <p><b>ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Ukusebenzisa inani uli-9 kwimeko eqhelekileyo</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Batshatise unotsheluza wemifanekiso nenani lamachaphaza afanayo. Pakisha inani lezixhobo zokubala ezifanayo</li> </ul>	<p>Amanqaku angcaciso</p> <p>Ilixhobo ezicetyiswayo</p> <p>Ubude bexesha obuqikelelwayo</p>	<table border="1" style="width: 100px; margin-left: auto; margin-right: auto;"> <tr><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> </table> <p>llei yamanani</p>	0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9				

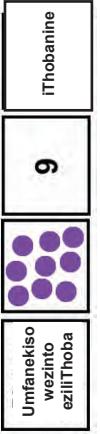
<b>Iveki yama-34</b> <b>Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<p>Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi yeMathematika ngeveki maybe ± 5)</p>	<p><b>Ishloko</b></p> <p><b>1.3 lisimboli zamanani kunya namagama amanani</b></p> <ul style="list-style-type: none"> <li>• <b>Ukunakana liisimboli zamanani namagama amanani</b> <ul style="list-style-type: none"> <li>- Beka izinto ezi-5 emgceri.</li> <li>- Yenza abafundi bazijongisise</li> <li>- Abafundi mabajonge kude aze utitshala asuse enye into.</li> <li>- Ubafundi kufuneka batsho ukuba yeyiphi into esusiveyo.</li> <li>- yibuyisele uphinde amaxesha amaninzi uqhubevek ekususeni izinto ezimbini nezingaphezulu.</li> </ul> </li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- bakhthe isimboli yenani uli-9 neggama lenani phakathi kwabanye oonotsheluza.</li> <li>- Beka unotsheluza wesimboli yenani phantsi ngokokulandelelana kwamananii.</li> <li>- Beka oonotsheluza beesimboli zamanani ngokulandelelana okusabalakileyo</li> </ul> <p>Yahlula abafundi ingokwamaqela amancinane. Utitshala unika iqela ngalinye ingqoketela yamakhadi eesimboli zamanani.</p> <p>Nika abafundi imiyalelo umz.</p> <ul style="list-style-type: none"> <li>- Phathani inani uzi-4, beka ingqiniba yakhо kwinani usi-8, hlala kwinani uzi-3, baleka ujikleze inani uzi-5 amaxesha amahlanu nj.</li> <li>- Badlala imidlalo beqhakamsheela izixhobo zokubala amanani namagama amanani , isimboli yenani, amakhadi amachaphaza kunye nemifanekiso.</li> <li>- Qinisekisa ukuba isimboli yenani negama lenani lisoloko liqhakamshelene nenani lezinto ezifanayo.</li> </ul>	<p><b>Amanqaku angcaciso</b></p> <p><b>Izixhobo ezicetyiswayo</b></p> <p><b>Izinto ezi-5 (ukukhumbula ngokubona)</b></p> <p>Izixhobo zokubala</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">Imifanekiso yewzinto ezilTHoba</div> <div style="border: 1px solid black; padding: 2px; border-left: none;">  </div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">9</div> <div style="border: 1px solid black; padding: 2px; border-left: none;">iToba</div> </div> <p>lingqokelela zamakhadi ezimbala wa eziquka inani u-1 ukuya kwi-9</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">Umfanekiso wezinto ezilTHoba</div> <div style="border: 1px solid black; padding: 2px; border-left: none;">  </div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">9</div> <div style="border: 1px solid black; padding: 2px; border-left: none;">iToba</div> </div> <p>Onotsheluza abanesimboli yenani,igama lesimboli, amachaphaza nemifanekiso umz.</p> <p><b>Izinto zokubala</b></p>
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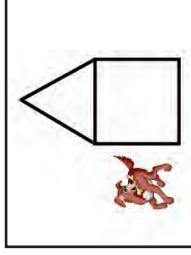
Iveki yama-34	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	Ishloko	Amanqaku angcaciso	Izixhobo ezcicetyiswayo	Ubude bexeshaa obuqikelelwayo	Usuku olu- 1
3.1 Indawo- bumé,ukufumana indawo nembonakalo	<p><b>Ukulandela izalathiso ,ukufumana indawo nembonakalo</b></p> <ul style="list-style-type: none"> <li><b>Ukukhulisa ingqiqo yezałathiso</b></li> </ul> <p><b>Ukużoba unxantathu omkhulu, okanye isikwre phantsi .</b></p> <ul style="list-style-type: none"> <li>- Abafundi bahamba ecaleni kwemilo bebonisa ngokukhwaza ukuba bajika ekhholo okanye ekunene ngezandla zabo</li> <li>- Ukfundisa usebenzisa intshukumo yomzimba</li> </ul> <p>Zoba unxantathu omkhulu, okanye isikwre ephepheni uwubeke phantsi umzobo lowo.</p> <p>Yenza umfundi onnye:</p> <ul style="list-style-type: none"> <li>- Atyhale imoto yokudlala ecaleni kwemigca.</li> <li>- Intsaleda yabafundi yoluła izandla zayo zasekhohlo okanye ekunene kwicala elingqinejanayo bathi ekhhohlo okanye ekunene.</li> </ul> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Bachaze izinto kwimbonakalo ezahlikeneyo umz. Unodoli (umphambili/umva), indlu (umphambili/umva), umphambili/ umva wesikolo, imoto (umphambili/umva) kuxhomekeke aphoonume khona.</li> <li>- Abafundi bachaza abakubonayo umz. Ukuba kukhona umthi ngaphambi kwendlu bachaza indawo ome kuyo umthi.</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Vumela abafundi ukuba bakwenze ngokwabo ukuya phambili/ emva ngokwaltha icala emfanekisweni.</li> </ul>	limilo ežinkulu eżizożwe ephepheni  Imoto yokudlala	Unodoli Indlu Imoto	Imifanekiso ebonisa icala ngokucacileyo umz. Icalà eya kulo imoto, icala ayà kulo umntu		

<p>Ivesha elicetyiswayo lokufunda nokufunda: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi ye Mathematika ngeveki maybe ± 5)</p> <p><b>Ishloko</b></p> <p>Ukunakana, ukuchonga nokuxela imilo ezinokwakhaka kuka 2-D eklasini,</p> <ul style="list-style-type: none"> <li>Bethela ulwazi ngesangqa, unxantathu, isikwere noxande</li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <p>Yenza abafundi babe ngababini.</p> <ul style="list-style-type: none"> <li>Makazobe imilo kumqolo womhlobo wakhe ngeminwe yakhe. Omnye umfundimakachaze imilo leyo</li> </ul> <p><b>Ukusebenzisa izinto eziphathetekayo ezinokwakhaka kuka 3-D</b></p> <p>Nika imilo zejiyometri zobungakanani nobungqingqwa obahlukeneyo.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>Bahlele imilo zejiyometri ngokwe: zangqa, onxantathu, izikwre neengxande.</li> <li>Bahlele imilo zejiyometri ngokobungakanani.</li> <li>Bahlele imilo zejiyometri ngokombala</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>basike ezi imilo zibalwe ngasentia ephepheni. Dibanisa imilo ezinkulu nezincinane kune noonxantathu bee-engile ezahlukeneyo.</li> <li>Bahlele imilo ezahlukeneyo bebonke.</li> <li>Cwangcisa umfanekiso oneemilo ezisikiweyo uwusebenzise ngexesha lomsebenzi wobugcisa.</li> </ul>	<p>Amanqaku angcaciso</p> <p>Izixhobo ezicetyiswayo</p> <p>Ubude bexeshha obuqikelelwayo</p> <p>Usuku olu- 1</p>
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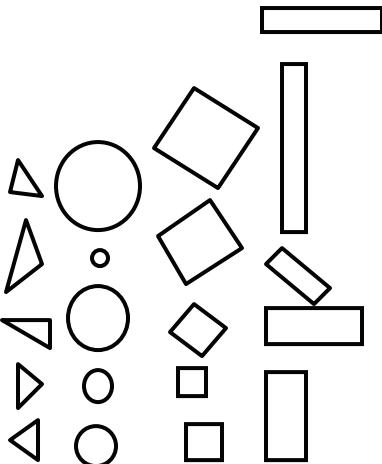
Iveki yama-34	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)		
Ishloko  3.4 Ulingano-macala	<p>Amanqaku angcaciso</p> <ul style="list-style-type: none"> <li><b>Ukukhulisa ulwazi lokuba lukhona ulingano-macala kwizinto</b></li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Khangelia izinto ezyinyani ezzakubonisa ulingano-macala.(icala elinye lifana nelinye icala)umz.ibhabbhathane, igqabi lentyantyambo.</li> <li>- Utishala nabafundi baqokelela imifanekiso eyiliweyo ngokolingano-macala umz. Imifanekiso epeyintwe ezindlwini, imifanekiso ekwithayile, imifanekiso ekwiivazi nakwizambuleni zokuha (parachutes).</li> </ul> <p><b>Ukusebenzisa imilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Abafundi basika iimilo zentliziyo okanye ivazi yentlyantyambo kwiphepha eliqotywe kubini baze baliombise ngexesa lobuGcisa obuBonwayo</li> </ul>  	<p>Irixhobo ezicetyiswayo</p>  <p>Usuku olu-1</p>  <p>Iphetshana eliqotywe kubini</p>	Ubude bexesha obuqikelelwayo

<b>Iveki yama-35</b> <b>Ixesha elicetyiswayo lokufunda nokufundisa:          Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (Imisehenzi ye Mathematika ngeveki maybe ± 5)</b>	<b>Ishloko</b> <b>1.1 Bala izinto</b> <ul style="list-style-type: none"> <li><b>Ukubethelela ulwazi olufumaneke kwiveki yama-34 equka inani i-9</b></li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemiha ngemihla ukuya kwisi-9          Bala usiya phambili nokubuya umva ukuya kwisi-9          Bala ngokucengceleza u-1 ukuya kwi-10</p> <p><b>Bethela ukubala ngezi- 2 usebenzisa icengcelezo zamanani</b></p> <p><b>Ukubethelela inqiqo ka “ninzi no-mbalwa”</b></p> <p>Qhwaba izandla amaxesha amaninzi.....YEKA.          Qhwaba izandla amaxesha ambalwa. Utitsala uqhwaba izandla kali-9          Buza umbuzo ukuba kukuphi okona kuqhwaba kungaphezulu / kungaphantsi.</p> <p><b>Ukufunda usebenzisa intshukumo yomzimba</b></p> <p>Masidale umdialo:          Utitsala ubeka phantsi limilo zeekhadibodi ezinkulu zamanani okanye amakhadi aquka amanani u-1 ukuya kwi-9 ngokulandeleana.</p> <p>Utitsala unika abafundi imiyalelo enjenga le:</p> <ul style="list-style-type: none"> <li>- Hlala kwinani uzi-6</li> <li>- Beka uzwane lwakho kuzi-3</li> <li>- Jikeleza inani uzi-2 kathathu.</li> <li>- Tsiba ngaphezu kwenani u-1.</li> </ul> <p>- Utitsala angathi ekugqibeleni asasaze amakhadi eesimboli zamanani.</p>	<b>Amanqaku (notes) angcaciso</b> <b>Izixhobo ezicetyiswayo</b> <b>Ubude bexeshha obuqikelelwayo</b> <b>Usuku olu- 1</b>
<b>1.4 Chaza, uthelekise ulandelanise amanani</b> <ul style="list-style-type: none"> <li><b>Sebenzisa amanani kwimeko eqhelekileyo</b></li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> <li>- Babale izinto eklasini</li> <li>- Babale ngezinto zokubala</li> <li>- Utitsala ubeka imfumba yezinto phezu kwetafie. Yenza abafundi baqikelele ukuba zingaphi izinto ezikwimfumba. Bayazibalma emva koko.</li> </ul>	<b>Izixhobo zokubala</b> <b>Izinto eziseklasini</b> <b>usuku olu- 1</b>	

Iveki yama-35	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo
	<b>Ukusebenzisa iimilo eziñokwakheka kuka 2-D okanye imifanekiso</b> Yenzi abafundi: - Badale imidialo ngokuqhakamshea izixhobo zokubala amanani namagama amanani, isimboli zamanani, amakhadi amachaphaza nemifanekiso. - Baqinisekisa ukuba isimboli yenani negama lenani zisoloko ziqhakamshelene nenani lezinto ezifanayo - Bakhuphela inani uli-9 ngeeckrayoni	Ubude bexeshaa obuqikelelwayo  Unotsiteluza onesimboli yenani negama lenani, amakhadi amachaphaza nemifanekiso umz..   Izixhobo zokubala, iikhrayoni
1.7 Ukudibana nokuthabatha	<ul style="list-style-type: none"> <li>• <b>Sombulula izibalo zamanani zamazwi ngomlomo kwimeko equka amanani u-1 ukuya kwi-9</b></li> </ul> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Balisa ibali ngomthi onentaka enye. Enye iyangenelela. Zingaphi iintaka ngoku? Abafundi baliganisa ibali bezogqume ubuso. U-1 no-1 wenza isi-2.</li> <li>- Phinda ibali kuze kushiyeye iintaka ezisi-9</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Umhlobo omnye unezixhobo zokubala ezisi-8 umz. izilwanyana zeplastiki omnye une-1 ngaphezulu. Zingaphi izilwanyana zeplastiki abanazo zizonke? Isi-8 ne-1 → 9</li> </ul> <p><b>Ukusebenzisa iimilo eziñokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Nika umfundi ngamnye iphepha lokusebenzela elinomfanekiso womthi. Abafundi babeka isixhobo sokubala esinye emthini. Baqhubeka besongeza isixhobo sokubala esinye ngexesha</li> </ul>	Usuku olu- 1  Umfanekiso womthi omkhulu  Izixhobo zokubala ezili-9  Iphepha lokusebenzela kunye nezixhobo zokubala

Iveki yama-35	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)	Ishloko	Amanqaku angcaciso	Izixhobo ezcicetyiswayo	Ubude bexeshaa obuqikelelwayo	Usuku olu- 1
3.1	<p><b>Chaza izinto ezimbini enye ngokunxulumene nenyé</b></p> <p><b>Ukfunda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Umfundsi ucela umhlobo ukuba eme phakathi kwezinto ezimbini' abafundi</li> <li>- Umfundsi ucela umhlobo ukuba eme ecaleni kwentombazana enxibe ilokhwe ebhlowu.</li> <li>- Umfundsi ucela umhlobo ukuba eme ecaleni kwenkwenke enembadada ezibhrawuni.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>• Xhoma intambo phakathi kwezinto ezimbini.</li> <li>• Abafundi baxhoma iimpahla zokunxiba ngokomyalelo umz.</li> <li>• “xhoma ihempe kwicala elisekhohlo kwintambo yokwaneka kwimpahla”</li> <li>• “xhoma ilokhwe ngasekunene kwehempe “</li> <li>• - Xhoma itshefu ecaleni kwe .....njil.”</li> <li>• - Xhoma ibhululkhwe phakathi kwe ..... njil.”</li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakeka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>• Zoba umfanekiso wendlu ngokwemiyalelo umz.</li> <li>• - Zoba uphahla kumantla ephepha</li> <li>• - Zoba iindonga zendlu kumbindi wephepha.</li> <li>• - Zoba injia kwisandla sasekhohlo sendlu</li> </ul> <p>Iphepha malingabi likhulu kakhulu ukuginiseksika ukuba iintlobo zeemilo zoyama kwenye ukwakha indlu</p>					

Iveki yama-35	Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši očwangcisiweyo okhokela wa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi ye Mathematika ngeveki maybe ± 5)	Ibihloko 3.3 Izinto ezinokwakheka kuka 3-D	Amanqaku angcaciso  Ukunakana, ukuchonga nokubiza imilo ezinokwakheka kuka 2-D eklasini nasemifanekisweni: - Ukukwazi ukuqaphela iimilo • <b>Ukubethela ulwazi olufunyenweyo ngoxande</b> <b>Ulwazi-ngemilo bubulumko bokwahlula phakathi kweemilo kokussingqongileyo,</b> ngaphandle kobungakanani okany e ubungakanani be-engile <b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> Yahlula abafundi ngamaqela . - Nika iqela ngalinye ibhloko ezingalinganiyo zokwakha ezilu-9 ezimile njengoxande. Yenza abafundi: - Bahlele ibhloko zokwakha ezimile njengoxande ngokwamaqela obungakanani. - Babale inani i leebhloko zokwakha Utishala unika le miyalelo ilandelayo: - Beka ibhloko yokwakha emile okoxande kumgca ongqaleyeo.	Izixhobo ezicetyiswayo  Iqela ngalinye lifumana iibhloko ezingalinganiyo zokwakha ezilu-9 ezimile njengoxande	Ubude bexeshha obuqikelelwayo  Usuku olu- 1 Ukhetia eminye imisebenzi
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<b>Iveki yama-35</b> <b>Ixesha elicetyiswayo lokufunda nokufundisa: Umsebenzi omnye weklaši ocwangcisiweyo okhokelwa ngutitshala (isangqa) wemizuzu engama ± 30 ngosuku (imisehenzi yeMathematika ngeveki maybe ± 5)</b>	<b>Ishloko</b>	<p>Amanqaku angcaciso</p> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Utishala uzoba oonotscheluza abahlukileyo abangama-20, umnye uneendidi ezhahlukileyo zoonxantahu, izangqa, izikwere kunye neengxande umz..</li> </ul> 	<p>Irixhobo ezicetyiswayo</p> <p>Amakhadi aneentibo zoontscheluza aBangama-20, ikhadi illinye lineentiboo ezintianu zoonxantathu, zesangqa, isikwere kunye noxande.</p>	<p>Ubude bexesha obuqikelelwayo</p>
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Iveki yama- 36	Ixesha lokufundisa elicetyiswayo: Umsebenzi katisshala ocwangcisiwayo (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ixesha elimiisiweyo	
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ixesha elimiisiweyo
1.1 <b>Bala izinto</b>	<p><b>Bethelela ulwazi olufunyenwewo olubandakanya amanani ukusuka ku- 1 ukuya kwi- 9</b></p> <p><b>Ngomlomo:</b> Ukubala izinto ezisetiyenxiswa yonke imihla ukuya kwi-9.</p> <p>Bala usiya phambili nokubuya umva ukuya kwi-9.</p> <p>Bethelela ukubala ngezi- 2 besebeenzisa izicengcelezo zamanani</p> <p><b>Bethelela ingqiqo ka “zinanzi” no “zimbawa”.</b></p> <p>Qhwaba izandla kaninzi.....YIMA</p> <p>Qhwaba izandla kambalwa. Utitsuala uqhawaba izandla kasi-9.</p> <p><b>Sebenzisa izinto eziphathhekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Beka izinto ngokwamaqela aquka amanani -1 ukuya kwi-9, abale izinto ngokuvakalayo.</li> <li>- Dlala iiddomino</li> </ul> <p><b>Sebenzisa iimilo eziphathhekayo ezinokwakhaka kuka 2-D okanye imifanekiso</b></p> <p>Nika umfundu ngamnye umfanekiso, ichaphaza, isimboli yamanani okanye amakhadi anamagama amanani.</p> <p>Abafundi balandeta imiyalelo katitishala</p> <ul style="list-style-type: none"> <li>- Abafundi bahhala kwisangqa.</li> <li>- Utitsuala ubiza inani, umz. -9. Abafundi abanomfanekiso, ichaphaza, isimboli zamanani namakhadi anamagama amanani u-9, hamba-hamba apho kwisangqa, usithi “Nidinethoba”</li> <li>- Yenjenjalo nakwamanye amanani.</li> <li>- Xa bonke befumene ithuba lokuba linani, biza amanani ngokulandeletana kwawo.</li> <li>- Abafundi bayema, baphakamise amakhadi abo xa inani elo lekhadi libiziwe ngutitishala</li> <li>- Qaphela ukuba bayakwazi ukuzimisa ngokulandeletana ukusuka ku-1 ukuya kwi -9.</li> <li>- Qaphela ukuba bayakwazi ukumisa amakhadi ameli la manani 1, 2, no 3 ukuya kwi-9 ndawonye</li> </ul>	<p>Amaculo nezicengcelezo zamanani</p>  <p>Izixhobo zokufundisa eklasini.</p> <p>Amanani edomino</p>	<p>usuksi olu-1</p>

Iveki yama- 36	Ixesha lokufundisa elicetyiswayo: Umsebenzi katisshala ocwangcisiwayo (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Izesha elimisiwayo
Ishloko	<p><b>1.4 Chaza, thelekisa ulandeelanise amanani</b></p> <ul style="list-style-type: none"> <li>• Thelekisa ukuba yeyiphi enengqokelela e-:           <ul style="list-style-type: none"> <li>- ngaphezu kwenye</li> <li>- ngaphantsi kwenye(mbalwa)</li> <li>- lingana neny (fanayo)</li> </ul> </li> </ul> <p><b>Sebenzisa izinto eziphathhekayo ezinokwakhaka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Utitshala unika iinttobo rgeenttobo zezinto ezinjengamaggabi, amaty, iziciko zeebhottile, iikhayoni, ibhlolo njl.</li> <li>- Bavumele abafundi ba:</li> <li>- zihlele ngokwamaqela azo, umz. amaty odwa.</li> <li>- bale inari lezinto kwiqela ngalinye.</li> <li>- bonise iqela elinezingaphhezu kwezinye, ngaphantsi kwezinye nezilinganayo njl.</li> </ul> <p>liSeti zamanani ukuya kwi- 9</p> <ul style="list-style-type: none"> <li>- Abafundi bahala emethini benze iindlwane zeentaka ngewulu.</li> <li>- Utitshala uyalela abafundi babeke amaqanda ama- 2 kwindlwane yokuqala, ama- 4 kwindlwane yesibini.</li> <li>- Ubabuza imibuzo enjengale: "Yeyiphi indlwane enamanini/enangaphezulu kunenye", "enangaphantsi kunenye" "enalinganayo/ afanayo" mangaphi la maqanda ewonke?" umz. "indlwane" enamaqanda ama-2 ingaphantsi "kwindlwane" enamaqanda ama- 4</li> </ul>	<p>Izxhobo ezicetyiswayo</p> <p>Ixesha elimisiwayo</p> <p>usuku olu-1</p>  <p>Imicu emibini yewulu kumfundu ngamnye, amaqanda ali- 9 kumfundu ngamnye</p> <p>- Bayalele abafundi benze iiseti zabu ezibonisa "ngaphezulu kune", "ngaphantsi kune" ne 'lingana / efana ne' bassebenzise amanani ukuya kwi-9.</p>

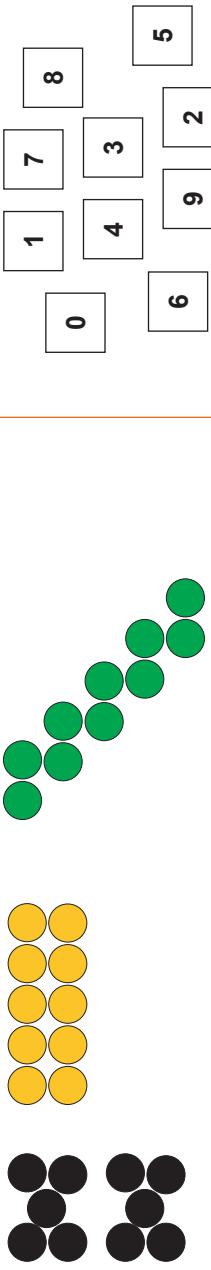
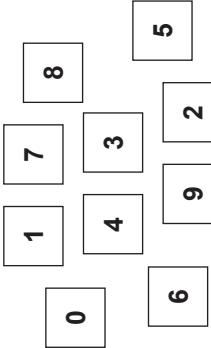
Iveki yama- 36	Ixesha lokufundisa elicetyiswayo: Umsebenzi katishtala ocwangcisiwayo (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ibihoko Amanqaku angcaciso	Ibihobo ezicetyiswayo	Ixesha elimisiwayo
1.13 Ukudubanisa nokuthabatha	<p>• <b>Ukusombulula izibalo zomlomo zokudibanisa nokuthabatha ezibandakanja aamanani ukusuka ku-1 ukuya kwi-9</b></p> <p><b>Ngomlomo:</b> Ukbala ibihobo zemihla-ngemihla ukuya kwi-9. Bala usiya phambili nasemva ukuya kwi-9.</p> <p>Bethelela ukubala ngezibini usebenzissa izicengcelezo zamanani</p> <p><b>Bethelela ulandelewano lokubala:</b> Utishala ubeka izinto ezi- 6 emgenci. Ukhomba into nganye xa ezibala, umz. eyokuqala, eyesibini, eyesithathu, eyesine, eyesihlanu, eyesithandathu Bethelela iingqiqo ezinje ngezi "zininzi" no "zimbawla" Qhwaba izandla kaninzi.....YIMA Qhwaba izandla kambalwa. Utishala uqhwaba ukuya kumaxesha ali-9. Buza umbuzo ngokona kuqhwaba kungaphezelu/kungaphantsi kuneziye.</p> <p><b>Intshukumo yamalungu omzimba</b></p> <ul style="list-style-type: none"> <li>- Utishala ubiza umfundi eze ngaphambi kweklasi.</li> <li>- Ubeka amanani amaso ohlukeneyo ukuya kwi-9, kwisandla somfundri ngamnye, umz. ama-4 kwisandla esinyen nama-5 kwasinye</li> <li>- Utishala ubeka abafundi ngamaqela abo ali-9.</li> <li>- Abafundi bahala emgangathweni</li> <li>- Utishala ucela ababini beme ngeeniyawo.</li> <li>- Utishala uyabuza: "Bangaphi abafundi abaheli emgangathweni?"</li> </ul>	<p>Amaculo nezicengcelezo zamanani</p>		usuku olu-1

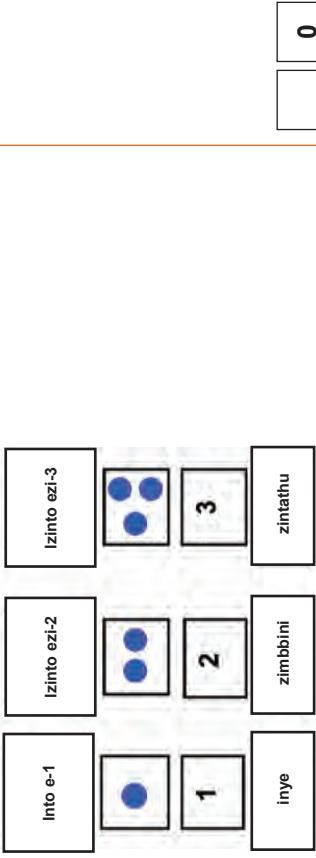
Iveki yama- 36	Ixesha lokufundisa elicetyiswayo: Umsebenzi katisshala ocwangcisiwayo (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ixesha elimisiweyo
Ishloko	Amanqaku angcaciso	Irixhobo ezicetyiswayo
1.13	<b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b> <b>Ukudubanisa nokuthabatha</b> <ul style="list-style-type: none"> <li>- Abafundi bahlala emethini.</li> <li>- Umfundu ngamnye ufumana amaso ali-9 akwikomityi yeplastiki enesosi.</li> <li>- Bayalelwa ukuba bathathe amaso ama-6 ekomityini yeplastiki bawabeke esosini.</li> <li>- Bayalelwa ukuba bongze amathathu apho esosini. Mangaphi amaso asekomotyini? 6 no 3 → 9.</li> <li>- Thabatha amaso ama- 4 kwisosi uwabeke ekontyini yeplastiki. Thatha amanye ama-5 uwadibanise kumaso asekomityini yeplastiki. Mangaphi amaso assessini? 9 thabatha 4 uphindre uthabatthe 5 → 0.</li> <li>- Thabatha amaso ama- 4 ekomityini yeplastiki uwabeke esosini. Mangaphi ashijeke ekomityini yeplastiki? 9 thabatha 4 → 5.</li> <li>- Thabatha amaso ama-5 ekomityini uwabeke esosini. Mangaphi ashijeke ekomityini? 5 thabatha 5 → 0.</li> </ul> <b>Ukusebenzisa iimilo eziphathekayo ezinokwakheka kuka 2-D okanye imifanekiso</b> Yohlula abafundi ngamaqela. Nika iqela ngalinye iseti yemifanekiso yoonotsheluza <ul style="list-style-type: none"> <li>- Bala imifanekiso emi- 6 kunotsheluza. Xa usongeza unotsheluza nemifanekiso emi- 2, mingaphi oya kuba nayo ngoku? 6 no 2 → 8.</li> <li>- Bala izinto ezisi- 8 kwikhadi lomfanekiso. Xa usogquma imifanekiso emi- 3, mingaphi oyibonayo? 8 thabatha 3 → 5.</li> <li>- Beka izixhobo zokubala ezilelo nani.</li> </ul>	Xa ungenazo iikomityi neessosi zama ukuzenza.
2.1	<b>Lipateni zejiyometri</b> <ul style="list-style-type: none"> <li>• <b>Ukukopa ipateni yengxolo</b> <b>Intshukumo yamalungu onzimba</b> <ul style="list-style-type: none"> <li>- Utitsshala wohlula abafundi ngamaqela amathathu. Sebeza ubonakalise eqeleni ngalinye ingxolo yohlubo lwemoto abazakuyilinganisa.</li> <li>- Iqela ngalinye lenza ingxolo yemoto abayimikkewyo xa liceliwe ngutitshala, umz. Woosh, brirm, zonk / Woosh, brirm, zonk.</li> </ul> </li> </ul>	Usuku olu-1  Imifanekiso yeendidi zeemoto/zezithuthi okanye ilmatshini ezintathu.

Iveki yama- 36	Ixesha lokufundisa elicetyiswayo: Umsebenzi katitshala ocwangcisiweyo (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Izesha elimisiweyo									
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo									
5.1 <b>Qokelela uze uhlele izinto</b>	<ul style="list-style-type: none"> <li>Bethelela ingqliqo yokusebenza ngolwazi oluqokelelweyo</li> </ul> <p>Masidiale umdialo Hlela nokubeka ngamaqela umbala oknethiweyo wodongwe lwale veki ilandelayo, umz.</p> <ul style="list-style-type: none"> <li>Izibalo ema zisombululwe ukubonisa umbala wodongwe weveki.</li> </ul> <p><b>Qokelela ulwazi uze uihlele</b></p> <ul style="list-style-type: none"> <li>Sebenzisa izinto eziphathekayo ukwenza igrafu esinjengeebhloko, iityhubhu, iLegoo ezimele imibalayomdongwe owucwangcisele ukuwenza, umz. mthubi, luhlaza, bhlouw, bomvu njl.</li> <li>Umfundi ngamnye ukhetha ibhloko enye emele umbala awukhethileyo womdongwe aza kudiala ngawo evekini.</li> </ul>	Izixhobo olu-1 usuku olu-1 Luhlaza, mthubi, luhlaza, bomvu, iLegoo (kusetyenziswa uhlobo olunye kupheia)									
5.2 <b>Bonisa ingqokelela yezinto ezihleliweyo</b>	<p><b>Zoba igrafu</b></p> <ul style="list-style-type: none"> <li>libhloko ziyanekwa ngokwemibala ekwiphowusta.</li> </ul>										
5.3 <b>Xoxa uze unikezelingxelo ngengqokelela yezinto ezihleliweyo</b>	<p><b>Funda nokutolika igrafu</b></p> <ul style="list-style-type: none"> <li>Ngendlela abafundi abazikhethile ngayo imibala yomdongwe weveki iyakuba ngumthubi.</li> </ul>	<table border="1"> <tr> <td>Bhlouw</td> <td>Mthubi</td> <td>Luhlaza</td> </tr> <tr> <td></td> <td>□ □</td> <td>□ □</td> </tr> <tr> <td>2</td> <td>4</td> <td>2</td> </tr> </table>	Bhlouw	Mthubi	Luhlaza		□ □	□ □	2	4	2
Bhlouw	Mthubi	Luhlaza									
	□ □	□ □									
2	4	2									

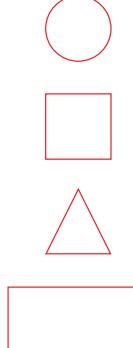
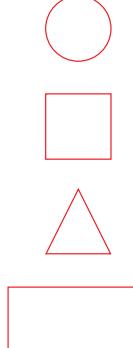
Iveki yama- 37	Ixesha lokufundisa ellcetyliswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Izixhobo ezicetyiswayo	Ixesha elimisiwayo
Ishihoko	<p><b>1.1</b></p> <p><b>Bala izinto</b></p> <ul style="list-style-type: none"> <li><b>Fundisa intsingiselo yenani i-0 (iqanda)</b></li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemihla-ngemihla uqala ku-0 ukuya kwi-10.</p> <p>Bala usiya phambili nokubuya umva, uqala ku-0 ukuya kwi-10.</p> <p><b>Bethela ukubala ngezibini esebeenzisa izicengcelezo zamanani</b></p> <p><b>Bethela ubala ngokulandelelanisa amanani:</b></p> <p>Utitsuala ubeka izinto ezi- 6 emgenci. Ukhomba into nganye xa ezibala, umz. eyokuqala, eyesibini, eyesithathu, eyesine, eyesithanu, eyesithandathu</p> <p>Bethela linqiqo ezinje ngezi "zininzi" no "zimbala"</p> <p>Qhwaba izandla kaninzi.....YIMA</p> <p>Qhwaba izandla kambalwa. Utitsuala uqhwaba ukuya kumaxesha ali-10.</p> <p>Buza umbuzo ngokona kuqhwaba kungaphezulu/kungaphantsi kunezinye</p> <p>Utitsuala uchaza ukuba i-0 yinto engekhoyo, ukubala izinto ezikhoyo kuqala ku-1.</p> <p><b>Intshukumo yamalungu onzimba</b></p> <ul style="list-style-type: none"> <li>- Utitsuala ubonisa abafundi igama lenani i-0.</li> <li>- Abafundi mabachonge amalungu onzimba enza u-0, umz.</li> </ul> <ul style="list-style-type: none"> <li>○ Umloomo wormfundi</li> <li>○ Iminwe yomfundi</li> </ul>	<p>Amaculo nezicengcelezo zamanani</p>	usuku olu-1
Iveki yama- 37	<p><b>1.1</b></p> <p><b>Bala izinto</b></p> <p><b>Sebeniza izinto eziphathhekayo ezinokwakhaka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>- Utitsuala ubeka izixhobo zokubala esandleni sakhe, esinye singabi nanto tu.</li> <li>- Uvula isandla esinye abonise abafundi izixhobo zokubala, avule esinye abonise abafundi ukuba asinianto.</li> <li>- Lo msebenzi ungenziwa kusetyenziswa abafundi.</li> </ul> <p><b>Sebeniza izinto ezibubonakalayo ezinokwakhaka kuka 2-D nemifanekiso</b></p> <ul style="list-style-type: none"> <li>- Utitsuala ubonisa abafundi oonotsheluzu abangenamifanekiso, nesimboli yenani u-0.</li> </ul>	<p>Izinto zokubala</p> <p><input type="checkbox"/> 0</p>	

Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutishala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ishloko	Ixesha elimiisiweyo
1.1	Bala izinto	Amanqaku angcaciso	Izixhobo ezicetyiswayo
<ul style="list-style-type: none"> <li>Ukwazisa intsingiselo yenani i-10</li> </ul> <p><b>Ngomlomo:</b> Ukkubala izinto zemihla-ngemihla ukuya kwi-10. Ukkubala usiya phambili nokubuya umva, ukuya kwi-10 Ukkubala ngokucengceleza 0-10</p> <p><b>Ukubethela ukubala ngezi- 2 esebeenzisa izicengcelezo zamanani</b></p> <p><b>Ukubethela ulandelewano lokubala:</b> Utishala ubeka izinto ezi- 6 emgenci. Ukhomba into nganye xa ezibala, umz. eyokuqala, eyesibini, eyesithathu, eyesine, eyesithanu, eyesithandathu</p> <p><b>Ukubethela ingqiqo ezinje ngezi “zininzi” no “zimbalwa”</b> Ukuqhwaba izandla kaninzi..... YIMA</p> <p>Ukuqhwaba izandla kambalwa. Utishala uqhwabua ukuya kumaxesha ali-10. Ukubuzza umbuzzo ngokona kuqhwabua kungaphezulu/kungaphantsi kunezinye</p>	<p><b>Ixesha elimiisiweyo</b></p> <p>Usuku olu- 1</p> <p>Khetha imisebenzi embalwa</p> <p>Amaculo nezicengcelezo zamanani</p>	<p><b>Ixesha elimiisiweyo</b></p> <p>Usuku olu- 1</p>	
<p><b>Ukufunda usebenzia intsnukumo yamalungu omzimba</b></p> <p>Bavumele abafundi ba:</p> <ul style="list-style-type: none"> <li>bengababini benze inani i-10 ngemizimba yabo (abafundi aba-4).</li> <li>bale ukuya kwi-10 ushukuma ngesingqi segubu.</li> <li>bambe iminwe eli-10.</li> <li>zobe inani i-10 esantini, emgangathweni bahambe nakuyo.</li> <li>tsibe amaxesha ali-10</li> </ul> <ul style="list-style-type: none"> <li>beke amanani abawasike kumakhadibodi i kwi”ngxowa empampathwayo”</li> <li>thathe iseti yoonotsheluza abanemfanekiso emele inani, umz. iibholia ezimbini ekhadini elibhalwe inani u-2. Umfundi umpampatha amanani ebhegini awatshatise namakhadi</li> </ul>	<p><b>Ixesha elimiisiweyo</b></p> <p>Sika amanani ekhadibodi</p> <p>Isimboli enkulu yoonotsheluza bamanani</p>		

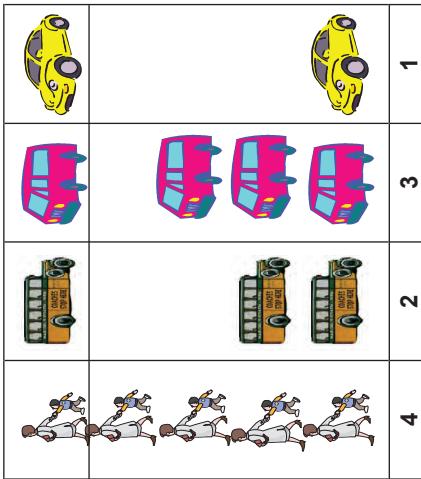
Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ixesha angcaciso	Izxhobo ezicetyiswayo	Ixesha elimisiweyo
Ishloko	<p><b>Ukusebenzisa izinto ezbironakalayo ezinokwakhaka kuka 3-D:</b></p> <p>Bavumele abafundi ba:</p> <ul style="list-style-type: none"> <li>- beke iimombolo zeefowuni zabo besebeenzisa iisimboli ezinkulu zamakhadi amanani.</li> <li>- Baxelele ngo-0 ormele i-10.</li> <li>- Qapheli amanani ngokuwabeka ngezinto ezintanu ngeendiea ezaahlukeneyo, umz.</li> </ul>  <p>Amakhadi aneenombolo zeefoni zabafundi</p>			

Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutishala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Izesha elimisiweyo
Ishhloko	Ukusebenzisa iimilo ezinokwamheka kuka 2-D okanye imifanekiso	Izixhobo ezicetyiswayo
	<p>Bayalele abafundi ba:</p> <ul style="list-style-type: none"> <li>- beke izinto ngokwamaqela azo abandakanya amanani ukusuka ku-1 ukuya kwi-10 babale ngokuvakalayo izinto ezo.</li> </ul> <p>Utishala wohlula abafundi ngamaqela ama-5</p> <p>Bayalele abafundi ba:</p> <ul style="list-style-type: none"> <li>- landeletanise, batshatise amakhadi emifanekiso, oonotsheluza barmachaphaza, isimboli zamanani kunye namagama amanani ukuya kwi-10, umz.</li> </ul> <p>Bayalele abafundi ba:</p> <ul style="list-style-type: none"> <li>- landeletanise, batshatise amakhadi emifanekiso, oonotsheluza barmachaphaza, isimboli zamanani kunye namagama amanani ukuya kwi-10, umz.</li> </ul> 	<p>Izinto eklassini</p> <p>Iseti yamakhadi emifanekiso ukuya kwii-10</p> <p>Izinto zokubala</p> <p>nji-nji.</p> <p>Pakisha izixhobo zokubala kwikhadi lamachaphaza ngalinye</p>

Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutishala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Izesha elicitryiswayo Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ixesha elimisiweyo
2.1 lipateni zejiyometri	<p>Ishloko</p> <ul style="list-style-type: none"> <li>Diala umdlalo wepateni-“usikhooj” njl.</li> </ul> <p><b>Funda usebenzisa intshukumo yamalungu omzimba</b></p> <p>Nxulumanisa nezelMithambo kwizAkhone zoBomi</p> <p>- Hamba-hamba apho eklassini. Ngesingqi somculo naxa umculo uphela, biza igama iemilo, abafundi mabayenze imilo leyo ngeminwe yabo. Emaqeleni abo Bangazilinganisa iimilo rgemizimba yabo.</p> <p>- Zoba le pateni ilandelayo emgangathweni okanye everanda, abafundi mabahambahambe kwiindlela okanye iimilo eztapho kuloo pateni.</p>	<p>Umzekelo wepateni ezotywe emgangathweni okanye everanda.</p>	Xoxa ngale pateni, umz.	<ul style="list-style-type: none"> <li>Buza imibuzo elandelayo: <ul style="list-style-type: none"> <li>”Yeyiphi imilo elandela uxande lokuqala?”</li> <li>”Yeyiphi imilo ephambi kwesangqa sokuqala?</li> </ul> </li> </ul> <p>Abafundi balandela ipateni ngolu hlobos:</p> <ul style="list-style-type: none"> <li>Utitshala uthi: ”Zintle, tsiba phambi kukaMilia”, ”Neli ungatsiba emva kukaSindi”</li> <li>Tsiba ngeenyawo zombini kuxande.</li> <li>Tsiba ngonyawo lwasekhohlo kunxantathu.</li> <li>Tsiba ngonyawo lwasekunene kwisikwere.</li> <li>Tsiba ngeenyawo zombini kwisangqa, jika-jika umzimba wakho ume kwisangqa.</li> <li>Gqibeza ipateni.</li> </ul>

Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ixesha elimiisiweyo
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo
2.1 lipateni zejiyometri	<p><b>Sebenzisa izinto eziphathhekayo ezinokwakhaka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>- Umfundsi ngamnye ufumana ezi mijo zilandelayo:</li> </ul>  <p>Utiishala wenza ipateni ngeemilo zakhe.</p> <p>Bavumele abafundi ba:</p> <ul style="list-style-type: none"> <li>- Kope iipateni zikatishala besebeenzisa ezi mijo zingentla.</li> <li>- Velisa ezabo iipateni ngeemilo abazinikiweyo.</li> </ul>	<p>Umfundi ngamnye ufumana ezi mijo zilandelayo:</p>  <p>Ixesha elimiisiweyo</p>
3.1 Indawo- bume kune nembonakalo	<p><b>Landela izalathiso ukuhamba okanye ukufumana indawo kwisithuba esithile</b></p> <ul style="list-style-type: none"> <li>• <b>Ukhulisa ingqiqo yezalathiso, ngokulandela imiyalelo kuquka ikhohlo nekunene</b></li> </ul> <p><b>Funda usebenzia intshukumo yamalungu omzimba</b></p> <p>Bayalele abafundi balandele imiyalelo katitshala:</p> <ul style="list-style-type: none"> <li>- Jonga phezulu/phantsi/ecaleni.</li> <li>- Goba/ekhohlo/ekunene.</li> <li>- Phakamisa umlenze wasekhohlo/wasekunene.</li> <li>- Gaqa uijkeleze itafile.</li> <li>- Yiya phambili/ecaleni/ngasemva</li> <li>- Faka isandla sakho/ sikhuphe</li> <li>- Yima ekunene ecaleni kwestitulo/yima ekhohlo ecaleni kwestitulo.</li> <li>- Yima phambii/ emva kwestitulo sakho</li> <li>- Yima phakathi kwezititulo ezibini.</li> <li>- Jonga ekhohlo/ekunene.</li> <li>- Jika unyawo ulise ekhohlo. Jika unyawo ulise ekunene</li> </ul>	<p>usuku olu-1</p> <p>Imiyalelo katitshala.</p> <p><b>Isigama:</b></p> <p>phezulu/phantsi phakathi/phandle phezu/ezantsi ngaphezulu/emva/ngaphantsi phambii kwe-/emva kwe- kweli cala/kwela cala ekhohlo/ekunene</p>

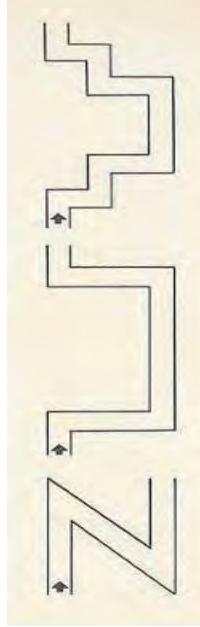
Iveki yama- 37	Ixesha lokufundisa ellicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Amanqaku angcaciso	Izxhobo ezicetyiswayo	Ixesha elimisiweyo
Ishloko	<p><b>Ukusebenzisa izinto ezibonakalayo ezinokwakhaka kuka 3-D:</b> Bayalele abafundi benze oku kulandelayo ebbodini, ba:</p> <ul style="list-style-type: none"> <li>- zobe izangqa bejikeleza</li> </ul>  <p>- zobe imigca engqalileyo esuka ekkhohlo ukuya ekunene</p>  <p>- zobe imigca eya phezullu neya ezantsi.</p>  <p>- utitshala uzoba amachaphaza amabini, abafundi bayidibani se ngomgca.</p> 	<p>ibhodi</p>		

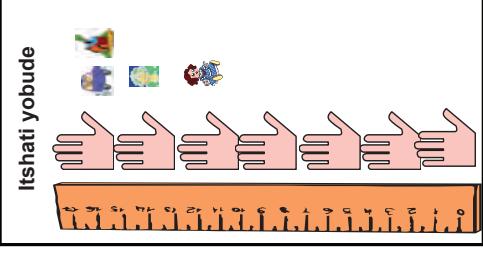
Iveki yama- 37	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ibihloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo	Ixesha elimisiweyo			
5.1	<p><b>Qokelela uze uheli eizinto</b></p> <ul style="list-style-type: none"> <li>Bethelela ukusebenza ngolwazi oluqokelelweyo</li> </ul> <p><b>Sebenzisa izinto eziphathetkayo ezinokwakhaka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>Xoxa nabafundi iindlela abeza ngazo esikolweni.</li> <li>Zoba imifanekiso ebonisa izithuthi ezo zabo ndawonye nabo besiza esikolweni okanye behkhatshwa ngabazali babo, umz.</li> </ul>				Usuku olu-1			
5.2	<p><b>Bonisa ingqokelela yezinto ezhileliweyo</b></p>  <table border="1"> <tbody> <tr> <td>4</td> <td>2</td> <td>3</td> <td>1</td> </tr></tbody> </table>	4	2	3	1		<p>Imifanekiso yezithuthi kwimagazini, umz. itekisi, ibhasi, imoto kune naba fundi behkwele kuzo.</p> <p>Zoba xa ungenazo iimagazini.</p>	
4	2	3	1					

Iveki yama- 38	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ixesha elimiisiweyo
1.1 <b>Ishloko</b>	<p><b>Bala izinto</b></p> <p><b>Ngomlomo:</b> Ukkubala izinto zemihla-ngemihla uqala kwi-0 ukuya kwi-10. Bala usiya phambili nokubuya umva, uqala kwi-0 ukuya kwi-10. Bala ngentioko ngokungenantsingiselou uqala kwi-0 ukuya kwi-10</p> <p><b>Bethela ukubala ngezi- 2 esebeznisa icengcelezo zamanani</b></p> <p><b>Bethela ukubala ngokulandeletanisa amanani:</b></p> <p>Utitshala ubeka izinto ezi- 6 emgenci. Ukhomba into nganye xa ezibala, umz. eyokuqala, eyesibini, eyesithathu, eyesine, eyesithantu, eyesithandathu</p> <p><b>Bethela iingqiqo ezinje “zininzi” no “zimbawwa”</b></p> <p>Qhwaba izandla kaninzi.....YIMA</p> <p>Qhwaba izandla kambalwa. Utitshala uqhwaba ukuya kumaxeshha ali-10.</p> <p>Buza umbuzo ngokonka kuhqhwaba kungaphezulu/kungaphantsi kuneziyne.</p> <p><b>Funda usebenzia intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utitshala uzoba izangqa ezili-11 (0 to 10) emgangathweni okanye usebenzisse ihulahuphu. Bhala amanani ukusuka ku-0 ukuya kwi- 10 ngaphandle kwasangqa ngasinye. Biza inani abafundi bagibisele ingxowa yemboty kweso sangqa sibiziweyo.</li> <li>- Khumbuza abafundi ukuba u-0 yinto engekhoyo. Xa umfundi egibisele ingxowa yemboty kwisangqa esingenantio uzakuphuma kulo mdialo.</li> <li>- Umfundi ugibisela ingxowa yemboty kwisangqa esihambelana nechaphaza okanye nekhadi lomfanekiso elliboniswe ngutitshala.</li> <li>- Umfundi ugibisela ingxowa yemboty kwisangqa esiboriswe kwisimboli yamanani ngutitshala.</li> <li>- Yenjenjalo usebenzia amakhadi amagama amanani</li> </ul>	<p><b>Amanqaku ngangcaciso</b></p> <p><b>Izxhobo ezicetyiswayo</b></p> <p>Usuku olu-1 okanye khetha imisebenzi embalwa</p> <p>Amaculo nezicengcelezo zamanani</p> <p>lingxowa zeemboty ezi-10 Zoba izangqa esantini/emgangathweni okanye sebenzisa iihulahuphusi.</p>

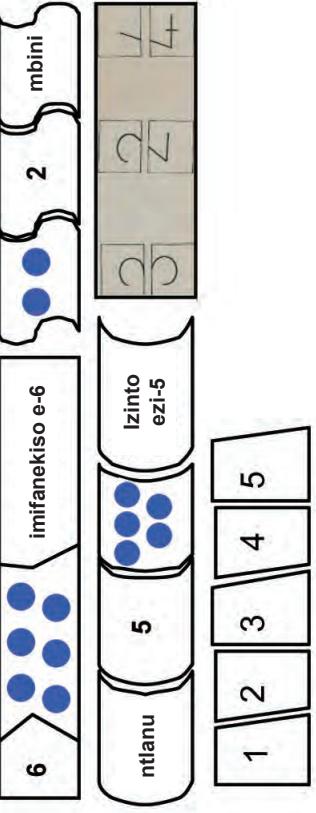
Iveki yama- 38	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutishala (isangqa) imizuzu engama- t 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ibihoko	Ibihoko ngangcaciso	Ibihoko ezicetyiswayo	Ixesha elimisiweyo
1.3	<b>lisimboli zamanani kunye namagama amanani</b>  Bavumele badlale umdhalo: <ul style="list-style-type: none"> <li>- Bhala igama lenani kwicala elinye lekhadi, isimboli yamanani kwelinnye icala qala ku-0 ukuya kwi-10.(sebenzisa iiseti ezimbawla).</li> <li>- Mabafunde igama lenani baqikelele isimboli yenani.</li> <li>- Mabalijonge iikhadi elo , balungise iziphoso zabo.</li> </ul>	<b>Sebenzisa iimilo ezinokwakheka kukka 2-D okanye imifanekiso</b>	Nakana, uze chonga iiisimboli zamanani kunye namagama amanani	Iseti yamakhadi amanani eqala ku- 0 ukuya kwi-10	
1.4	<b>Ukuchaza, ukuthelikisa nokulandeelanisa amanani</b>	<b>Fundisa ulandelelwano lwamanani, umz. eyokuqala, eyesibini, eyesithathu, eyesine, eyesihianu, eyesithandathu ... eyokugqibela.</b>  Le ngqiqo ikhuliswa emva kwethuba nangokuleibnelisha iimeko ezizenzekelayo apha eklasini, umz. yimani emgenci siya phandle, "USiya ngowokuqala, uHelen ngowesibini .....	<b>Funda usebenzisa intshukumo yomzimba</b> <ul style="list-style-type: none"> <li>- Mabdalale ugqatso. Ngowuphi ofike kuqala/ owesibini/owokugqibela?</li> </ul> <b>Diala umdhalo – “Yeyiphi eyona”?</b> <ul style="list-style-type: none"> <li>- Cela abafundi abahlanu bahlale eztulweni zabo, benze umgca.</li> <li>- Utishala uthii “Ndicinga omnye waba bafundi. Umfundu unxibe ijeki ebomvu.”</li> <li>- Qala ngomfundu ongaphambili, bajikeleze bonke ubabamba, ubabuze: “Ingaba ungumfundu wokuqala, wesibini, westithathu ... njil ?</li> </ul> Abafundi aba-5 mabeme phandle kumanqwanqwa .Utishala makabeke ikhadi lesimboli yamanani efanelekileyo ezantsi komfundi ngamnye kumanqwanqwa.	Bonisa umfundu kwinqwanqwa: <ul style="list-style-type: none"> <li>- sokuqala.</li> <li>- sesibini.</li> <li>- sesithathu njil”.</li> </ul>	Iztitulo ezhilanu Iseti yamakhadi esimboli zamanani aqala ku-1 ukuya kwi-10 Zenzele xa kungekho zixhobo zolandelelwano  Umfundi okwinqwanqwa lokuqala uveza ikhadi lesimboli yamanani emva kokuba ibizwe njengempendulo ngumhlobo wakhe. Yenjenjaloo ude uey kumfundi wesi- 6.

Iveki yama- 38	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 ye Mathematika ngeveki)	Amanqaku ngangcaciso	Irixhobo ezicetyiswayo	Ixesha elimisiweyo
Ishloko 1.7 Ukuthabatha noku dibanisa	<ul style="list-style-type: none"> <li>Sombulula ngomlomo izibalo zamazwi (izibalo ezingamabali) ezbandalanya i-10</li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemihla-ngemihla uqala kwi -0 ukuya kwi-10. Ukubala usiya phambili nokubuya umva, uqala kwi-0 ukuya kwi-10.</p> <p><b>Ukubethlela iingqiqo ezinje ngezi “zinanzi” no “zimbalwa”</b></p> <p>Ukuqhawaba izandla kaninzi..... YIMA Ukuqhawaba izandla kambalwa. Utitshala uqhwawa ukuya kumaxesha ali-10. Ukubuza umbuzo ngokona kuqhwawa kungaphezzulu/kungaphantsi kunezinye</p> <p><b>Imizekelo:</b></p> <ol style="list-style-type: none"> <li>Kwaye kulkho iintombi ezi- 5 endlwini. Kwafika za-5 kwakhona iintombi kule ndlu. Zingaphi zizonke ngoku? 5 no 5 → 10.</li> <li>Bala izixhobo zokubala ezi- 7. Bala ezibini ngaphezulu. Bala esinye ngaphezulu. Zingaphi zizonke? 7 no 2 no 1 → 10.</li> <li>Kukho izixhobo zokubala ezili-10 phezu kwetafile. Kushiyeye za-4.Zingaphi ezesiweyo? 10 thabatha 6 → 4.</li> <li>Uneemabhile ezili- 10. Thabatha ezi- 3. Zingaphi ozishiyileyo? 10 thabatha 3 → 7</li> <li>Wenze ilkeyki ezili-10. Wathengissa ezi-2 ilkeyiki.Ushiye zangaphi?</li> </ol>	<ul style="list-style-type: none"> <li>Sombulula ngomlomo izibalo zamazwi (izibalo ezingamabali) ezbandalanya i-10</li> </ul>	usuku olu-1	
3.1 Indawo-bume,ukufumana indawo nembonakalo	<ul style="list-style-type: none"> <li>Ukulandela izalathiso uhamba-hamba okanye ukufumana indawo kwisithuba esithile eklassini</li> </ul> <p><b>Ukfundisa usebenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Bacele beme emva eklassini</li> <li>Bacele beme ecaleni eklassini/ nakwelinye icala ngokunjalo.</li> <li>Bacele beme ngaphambilii eklassini.</li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D:</b></p> <p><b>Ingxolo inentsingiselo.</b> Abafundi bamamela i-:  <ul style="list-style-type: none"> <li>intsimbi</li> <li>impempe</li> <li>nasiphina isixhobo sokucula</li> <li>iibhlоко zomthi ezi-2</li> </ul> </p> <ul style="list-style-type: none"> <li>Bangqurbanisa iibhlоко ezimbini zomthi.</li> </ul>	<ul style="list-style-type: none"> <li>Ukulandela izalathiso uhamba-hamba okanye ukufumana indawo kwisithuba esithile eklassini</li> </ul>	intsimbi impempe nasiphina isixhobo sokucula iibhlоко zomthi ezi-2	

Iveki yama- 38	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- t 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ixesha elimisiweyo
Ishloko	Amanqaku ngangcaciso	Irixhobo ezicetyiswayo
3.1 <b>Indawo- bume,ukufumana indawo nembonakalo</b>	<p>Abafundi bayacimela, bachinge ingxolo yentsimbiliyempeme/nasiphina isixhobo sokucula.</p> <ul style="list-style-type: none"> <li>- Abafundi bayacimela, bachinge ingxolo ukuba isuka phina.Bangagibisela ibhibhegi kwicala evakala ngakulo ingxolo, bayichaze ukuba isuka kwelephi na icala, umz. phambi kweklasi,ngakwikona yokufunda nj.</li> <li>- Utitshala uyala aba- 4 ukuba beme ngasedongeni apho eklassini. Abafundi aba-4 kumacala amane eklassi,umfundi ngamnye abe nesakhe isixhobo somculo sahluke kwasomnye: (intsimbi, impempe, nasiphina isixhobo sokucula, libhloko zomthi zokucula ezi-2).</li> <li>- Utitshala ukhombra umfundi ngamnye, asebenzise isixhobo sakhe enze ingxolo, lovo ukhonjiwayo, umz. intsimbi</li> <li>- Abanye bayachaza ukuba ingxolo isukaphi, ngokukhombra ngesalathiso icala elo isuka kulo.</li> <li>- Bethelela ulwazi Iwekhohlo nelokunene, ngokuyalela abafundi beme ngaphambi/ngasemva eklassini, mabenze ingxolo, abanye abafundi bayichaze ukuba isuka ngaphi, ekhohlo/ekunene</li> <li>- Phinda oku uggale kwisandi esivela ekhohlo nasekunene eklassini. Abafundi bathi “ekhohlo” xa isandi sisuka kwicala lasekholio baze bathi “ekunene” xa isandi sisuka kwicala lasekunene.</li> </ul> <p><b>Sebenzisa iimilo ezinokwakhaka kuka 2-D nemifanekiso</b> Mabagqibezele iphepha lokusebenzela, bazobe umgca ngelkhrayoni phakathi kwemigca, umz.</p> 	Intsimbi Impempe Isixhobo somculo nokuba sesiphina libhloko ezimbini

Iveki yama- 38 Isihloko	Ixesha lokufundisa elicitisywayo: Umsebenzi ocwangcisiwayo okhokela ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ilixhobo ezicetyiswayo Amanqaku ngangcaciso	Ilixhobo ezicetyiswayo Ixesha elimisiweyo
4.2 Ubude	<ul style="list-style-type: none"> <li>Thelekisa uze uhole izinto ngokwenza usebenzisa isigama esifanelekileyo ukuhaza ubude</li> <li>Thatha umlinganiselo wobude wabafundi ngetyiphu yokuthatha umlinganiselo</li> </ul> <p><b>Funda usebenzisa intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>Zekelisa kwikota yokuqala neysibini apho bebesenza imilinganiselo yomphakamo wetshati ngezandla.</li> <li>Yenza umlinganiselo wobude bomfundu.</li> <li>Beka iteyiphu ngakqwimifanekiso yezandla ezbondonalisa umphakamo wetshati.</li> <li>Mabulinganiswe ubude babafundi kwakhona.</li> <li>Baxelele ukuba sisebenzisa isixhobo somlinganiselo omiselekileyo kway umama usebenzisa oku xa esenza ilokhwe.</li> <li>Ngoku abasezozandla ezhishumi ubude kodwa bazisentitha ezhishumi ubude</li> <li>Mabattelekise imiphakamo yabo. Ngowuphi oyena mde/ mfitshane eklasini?</li> </ul> <p><b>Sebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D:</b></p> <ul style="list-style-type: none"> <li>Umfundi unqengqia emgangathweni, abanye babeke ibhloko zokvakha ezilanganayo emgenci ecalen'i komfundi lowo unqengqileyo.</li> <li>Bayalele benze into ende/efitshane kunomhlobo wakho</li> </ul>	<p><b>Itshati yobude</b></p> 	<p><b>Itshati yobude</b></p> <p>iteyiphu yokuthatha umlinganiselo</p>

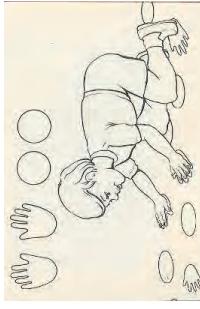
Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutishala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ixesha elimiisiweyo
Ishloko	Amanqaku angcaciso	Irixhobo ezicetyiswayo
1.1 <b>Bala izinto</b>	<ul style="list-style-type: none"> <li>• <b>Ukubethelela intsingiselo yenani i-10</b> <b>Ngomlomo:</b> Ukubala izinto zemihla-ngemihla uqala kwi-0 ukuya kwi-10. Bala usiya phambili nokubuya umva, uqala kwi-0 ukuya kwi-10. Bala ngentloko ngokungengantsingiselo uqala kwi-0 ukuya kwi-10</li> </ul> <p><b>Bethela ukubala ulandelelanisa amanani:</b> Utishala ubeka izinto ezi- 6 emgenci. Ukhomba into nganye xa ezibala, umz. eyokuqala, eyesibini, eyestithathu, eyeshi, eyeshihau, eyesthendathu</p> <p><b>Bethela liinqiqo ezinje ngezi “zininzi” ne “zimbawwa”</b> Qhwaba izandla kaninzi.....YIMA Qhwaba izandla kambalwa. Utishala uqhwawa ukuya kumakesha ali-10. Buza umbuzo ngokona kuqhawaba kungaphezelu/kungaphantsi kuneziyne</p>	<p>Amaculo nezicengcelezo zamanani</p> <p>usuku olu-1</p>
	<p><b>Funda usebenzia intshukumo yomzimba</b></p> <p>Bavumele abafundi ba/be:</p> <ul style="list-style-type: none"> <li>- nze isicengcelezo samanani besebebenzia iminwe yabo elishumi.</li> <li>- bale amanani amakesha utishala ebetha itafile</li> <li>- qhwabe izandla kali-10.</li> <li>- bale izitepusi ezhamba abafundi xa bephuma eklassini okanye bedala ihulahupu.</li> <li>- ngqishe iinyawo zabo ngesingqi esinye.</li> <li>- Beme beli-10 kwisangqa esinebhaskithini esizikithini umfundi ngamnye enengxowa yembotyi baziphose ebhaskithini zibeli-10. Mababale ngokuvakalayo xa bephosa libhinbhlegi nebhasikitthi</li> </ul>	

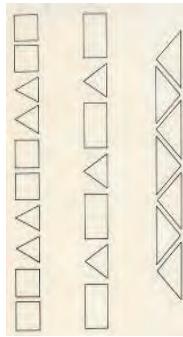
Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ilixhobo ezicetyiswayo	Ixesha elimisiweyo
Ishloko  1.1 Bala izinto	<p><b>Ukusebenzisa izinto ezbondakalayo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <p>Yohlula abafundi i babengamaqela amancinci.</p> <ul style="list-style-type: none"> <li>- Banike iiphazili zamanani.</li> <li>- Mabadiile iiphazili zamanani.</li> <li>- Mabaphose idayisi ukubonisa iphazili yamanani ema yakhwi.</li> </ul> 		

Iveki yama- 39	Ixesha lokufundisa elicitisywayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ibihoko	Ixesha elicitisywayo
1.13 Ukudibana nokuthabatha	<p>• <b>Bethela ukusombulula izibalo zakudibanisa nezokuthabatha ukuya kwi-10</b></p> <p><b>Ngomlomo:</b> Ukubala izinto zemihla-ngemihla uqala ku-0 ukuya kwi-10. Bala usiya phambili nokubuya umva, uqala ku-0 ukuya kwi-10.</p> <p><b>Bethela ukubala ngezibini esebeenzisa izicengcelezo zamanani</b></p> <p>Bethela iingqiqo ezinje ngezi “zininzi” ne “zimbalwa”</p> <p>Qhwaba izandla kambalwa. Utitsala uqhwaba ukuya kumaxeshha ali-10. ngokububa umbuzo ngokona kuqhawaba kungaphezulu/kungaphantsi kunezinye</p> <p><b>Ukufunda usebenzia intshukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Utitsala ubiza abafundi aba-5 bezengaphambili, ongeze omnye de aye kwi-10.</li> <li>- Babala ngokuvakalayo.</li> </ul> <p>5 no 1 → 6. (ithi: ntamu dibanisa inye, yenza ntandathu) 6 no 1 → 7. 7 no 1 → 8. 8 no 1 → 9. 9 no 1 → 10.</p> <ul style="list-style-type: none"> <li>- Utitsala ubayalela ukuba babale bebuya umva</li> </ul> <p>10 thabatha 1 → 9 9 thabatha 1 → 8 10 thabatha 2 → 8</p>	Amanqaku angcaciso	Irixhobo ezicetyiswayo
	<b>Ukusebenzia izinto eziphathekayo ezinokwakheka kuka 3-D:</b> Abafundi bahlaa emethini. Umfundi ngamnye unezixhobo zokubala ezii-10 neziko zeplastiki.	Ixesha elimisiweyo	Irixhobo zokubala ezii-10 kumfundi ngamnye Irixhobo zeplastiki, umz. iziciko ze-ayisi krim

Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Izesha elimisiweyo
Ishloko	Amanqaku angcaciso	Izixhobo ezcicetyiswayo
1.13 <b>Ukudibananisa nokuthabatha</b>	<p><b>Ukusebenzisa iimilo eziphathekayo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Bala izinto ezisi-8 ekhadini lomfanekiso. Xa udibananisa amakhadi omfanekiso ama-2</li> <li>- 8 no 2 → 10. Pakisha kwalamanani ezixhobo zokubala.</li> <li>- Bala izinto ezili-10 ekhadini lomfanekiso. Xa uthabatha ezi- 3, zingaphi ezishiyekileyo? 10 thabatha 3 → 7. Pakishakwalamanani ezixhobo zokubala.</li> </ul> <p><b>1.4 Chaza, thelekisa uze ulandelelanise amanani</b></p> <ul style="list-style-type: none"> <li>• <b>Ukuthelekisa ukuba yeyiphi enengqokeleta e-:</b> <ul style="list-style-type: none"> <li>- ngaphezu kwenvye</li> <li>- ngaphantsi kwenvye(mbalwa)</li> <li>- lingana neny (fanayo)</li> </ul> <p><b>Ngomlomo:</b> Ukubala izinto zemihla-ngemihla uqala ku-0 ukuya kwi-10. Bala usiya phambili nasemva, uqala ku-0 ukuya kwi-10.</p> <p><b>Bethelela ukubala ngezi- 2 esebeenzisa izicengcelezo zamanani</b></p> <p><b>Bethelela iingqiqo ezinje ngezi “zininzi” no “zimbawwa”</b></p> <p>Qhwaba izandla kaninzi.....YIMA</p> <p>Buza umbuzo ngokona kuhqhwaba kungapherezulu/kungaphantsi kuneziyne</p> <p><b>Ukufunda usebeenzisa intsnukumo yomzimba</b></p> <ul style="list-style-type: none"> <li>- Beka abafundi aba-6 ndawonye kuhulahupu nabanye aba-4 kommye uhulahupu.</li> <li>- ” ingaba kukho abafundi abongezelkileyo, umfundu oyedwa, aBangaphantsi okanye abalinganayo kuhulahupu</li> <li>- Abafundi mabachonge ihulahupu enezingaphezu/ngaphantsi/ezilinganayo neny</li> </ul> </li> </ul>	<p>Imifanekiso yonotsheluzaebandakanya amanani ukuqala ku- 1 ukuya kwi- 10</p> <p>Izixhobo zokubala</p> <p>Usuku olu-1</p> <p>iihulahupu ezi-2</p>

Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiweyo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ixesha elimisiweyo
Ishloko	Amanqaku angcaciso	Izixhobo ezicetyiswayo
1.4 <b>Chaza, thelekisa uze ulandelelanise amanani</b>	<p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Beka izixhobo zokubala ezili-10. ezi- 6 nezi- 4 etafileni.</li> <li>- Nika inani lezixhobo zokubala eziphezu kwetafille</li> <li>- Buza le mibuzo: "Ingaba zingaphezu kwesti- 7?" "Ingaba ziyingana, zingaphantsi, zimbalwa, zonele, azonelanga?"</li> <li>- Bayalele ba: "qonde liimpendulo zabo ngokubala izixhobo zokubala." "Ingaba uqikelele kangakanani?"</li> </ul> <p><b>Ukusebenzisa iimilo eziphathekayo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Utitsuala ubonisaa amakhadi amabini anamachaphaza amanani ohluka-hlukeneyo kwanemifanekiso</li> <li>- Bavumelle battelekise amakhadi anemifanekiso namachaphaza kuwo, bachinge angaphezzulu/ angaphantsi/nalinganayo</li> </ul>	<p>Izixhobo zokubala</p> <p>Amakhadi amabini anamanani ohluka-hlukeneyo ngamachaphaza nangemifanekiso</p>

Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-t 5 ye Mathematika ngeveki)	Ixesha elicitetyiswayo Amanqaku angcaciso	Irixhobo ezicetyiswayo Imizila yeeniyawo esephepheni, ebonisa ekhohlo/ekunene	Ixesha elimisiweyo Usuku olu-1
Ishloko	<p><b>3.1 Indawo-bume, ukufumana indawo nembonakalo</b></p> <ul style="list-style-type: none"> <li>Chaza izinto ezimbini okanye ngaphezulu ezinokwakhaka kuka 3-D ngokunxulumene neny.</li> <li>Bethelela ulwazi ngokhohlo nokunene</li> </ul> <p>Ukfunda usebenzisa intsnukumo yomzimba</p> <ul style="list-style-type: none"> <li>Utitsuala ubeka imizila yeeniyawo ekhohlo nasekunene emacaleni onke ekiasi.</li> </ul>  <ul style="list-style-type: none"> <li>Abafundu bagaqa ngengalo nedolo elinye lasekhohlo nelasekunene ngaxesha linye.</li> <li>Benjenjalo besiya apho kukho isitya sokuhlambla</li> </ul>  <p>Utitsuala uqhina iwulu ebomvu kwishihlahla somfundi ngomnye sasekunene. Utitsuala unika imiyalelo.</p> <ul style="list-style-type: none"> <li>Phakamisa unyawo lwakho lwasekhohlo.</li> <li>Beka unyawo lwakho lwasekunene esitulweni.</li> <li>Bamba idolo lakho lasekhohlo ngengqiniba yakho yasekunene..</li> <li>Tsala indlebe yakho yasekhohlo ngesandla sasekunene..</li> <li>Beka isandla sakho sasekunene kwigxalaba lakho lasekhohlo, isandla sakho sasekohlo kwigxalaba lasekunene.</li> <li>Zigone.(isandla ngasinye sinquMLE umbindi ukuya kwigxalaba lenye ingalo)</li> </ul>			

Iveki yama- 39	Ixesha lokufundisa elcetyliswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- t 30 ngemini (imisebenzi emi-t 5 yeMathematika ngeveki)	Ixesha elimisiweyo
Ishloko	<p><b>Amanqaku angcaciso</b></p> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Utitshala ubeka iinkonkxa ezisi-7 phezu kwetafie</li> <li>- Abafundi mabachaze inani elisekhohlo ku-3, elisekunene ku-6, eliphakathi ko- 3 no- 6.</li> <li>- Leliphi inani lokuqala nelokugqibela.</li> <li>- Leliphi inani lokuqala nelokugqibela.</li> </ul>  <p>Iinkonkxa ezibhalwe amanani.</p>	Iixhobo ezicetyiswayo
3.1 Indawo- bume,ukufumana indawo nembonakalo	<p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Utitshala ubeka iimoto/oonodoli aba-3 abanxibe imibala eqqamileyo phezu kwetafile.</li> <li>- Ubuza imibuzzo enjenje: <ul style="list-style-type: none"> <li>○ Ngowuphi unodoli/ imoto esekhohlo?</li> <li>○ Ngowuphi unodoli/ imoto esekunene?</li> <li>○ Ngowuphi unodoli/ imoto ephakathi?</li> <li>○ Yeyiphi imoto/unodoli wokuqala/wokugqibela?</li> </ul> </li> </ul> <p><b>Ukusebenzisa iimilo ezinokwakheka kuka 2-D okanye imifanekiso</b></p> <ul style="list-style-type: none"> <li>- Ngexesha lokuyila okubonwayo abafundi benza imizila yepeyintii besebebenzisa izandla zasekhohlo nesasekunene.</li> <li>- Bayasika bancamatellise emaphepheli bebonisa unyawo lwasekhohlo nowasekunene.</li> </ul> <p><b>2.1</b></p> <ul style="list-style-type: none"> <li>• <b>Yila ipateni yakhe</b></li> </ul> <p><b>Ukusebenzisa izinto eziphathekayo ezinokwakheka kuka 3-D</b></p> <ul style="list-style-type: none"> <li>- Abafundi bakopa iipateni kwezo bazinikiweyo.</li> <li>- Bazenzela ezzabo iipateni baze bazzchaze.</li> </ul> 	Ixesha elimisiweyo
		Usuku olu-1

Iveki yama- 39	Ixesha lokufundisa elicetyiswayo: Umsebenzi ocwangcisiwayo okhokelwa ngutitshala (isangqa) imizuzu engama- ± 30 ngemini (imisebenzi emi-± 5 yeMathematika ngeveki)	Ixesha elimisiweyo
Isihloko	Amanqaku angcaciso	Irixhobo ezicetyiswayo
2.1	<p><b>Umsebenzi wePhnegibhodi (peg board):</b> Bayale basebenzise izandla zasekunene kuqala, zasekhohlo, zozibini ukubeka iiphegi kwiphegibhodi.</p> <ul style="list-style-type: none"> <li>- Utitsuala uxelela abafundi apho kubekwa khona iiphegi, umz.</li> <li>o Kumgca ophezulu.</li> <li>o Kumgca osezantsi.</li> <li>o kwicala ekhohlo.</li> <li>o ekunene.</li> <li>o phakathi.</li> </ul> <p>Bavumele be/ba:</p> <ul style="list-style-type: none"> <li>- nze iimilo kwiphegibhodi ngeephegii ezimbala-bala.</li> <li>- Utitsuala uhlula-hlula ipateni elula ngeepegi kwiphegibhodi yakhe baze abafundi balkope ipateni bayibeke kwiphegibhodi zabo.</li> </ul>	<p>Ipxegibhodi neephegi. iiPateni ekukotshwa kuzo ngabafundi.</p>

<b>Iveki yama- 40 Sebenzisa iweki 40 ukwenza izisombululo ezikhankanyiweyo okanye izithintelo kufundo.</b>		
<b>Umxholo</b>	<b>Isihloko</b>	<b>Umlinganiselo woHiolo</b>
Inani nee- Opareyishini	1.1 <b>Bala izinto</b>	Qikelela nokucengceleza ukubala ukuya kwi - 10 (ingoma zamanani nezicengcelezo) Bala ukuya phambili nokubala ubuya umva (0-10) Bala ngezi- 2 (ingoma zamanani nezicengcelezo) Qonda ingqiqo ngo: "zinanzi" no "zimbalwa" (uqhwaba) Qonda ukuqhwaba okuninzi/nokumbalwa
	1.4 <b>Chaza, thelekisa uze ulandelelanise amanani</b>	Nakana nokuqaphela amanani kwimeko eziqhellekileyo, umz. ubudala, irejista Hlula phakathi ko-ngaphezulu kune-, ngaphantsi kune- eyona i , ilingana ne – ukuya kwi - 10 Qonda amanani olandelelwano - elokuqala, elesibini, elestitathu, elesine, njl.
	1.6 <b>Ubuchule bokusombulula iingxaki zezibalo</b>	Sebenzisa izixhobo ezibonwayo Chaza into oyicingayo ngamagama ,ngokuzoba nangezinto eziphathhekayo
	1.7 no 1.13 <b>Ukudibanisa nokuthabatha</b>	Sombulula udibaniso nothabatho ngomlomo ubandakanya amanani ukuya kwi - 10
lipateni ne fankshini	2.1 <b>lipateni zejiyometri</b>	Kopa, yandisa nokuyila iipateni ezivivayo landela umdialo ka"slikhoj"
Isithuba nemilo(ljiyometri)	3.1 <b>Indawo-bume,ukufumana indawo nembonakalo</b>	Yazi iingqiqo:ecaleni kwe,phakathi nasembindini,ekhohlo nasekunene Qonda iingqiqo: ngaphambili,ngasemva,phezulu,ezantsi,ekhohlo ekunene
	3.2 <b>izinto ezinokwakheka kuka 3-D no 3.3 Izinto ezinokwakheka kuka 2-D</b>	yazi ukwakha ubuncinane iphazili ezingama - 24 nakana nokuchongga isangqa, unxantathu, isikwere, nexande
	3.4 <b>Ulingano -macala</b>	nakana umgca wolingano -macala kwizinto
Umlinganiselo	4.2 <b>Ubude</b>	Qonda ukuba izinto zinokuthathwa umlinganiselo kusetyenziswa iteypu
Ukusebenza ngolwazi oluqokelewyo	5.1 <b>Qokelela uze uhlele izinto</b>	Kwazi ukuqokelela, ukuhela, ukuzoba, ukufunda, nokubonisa izinto ngokophawu olunye.
	5.2 <b>Bonisa ingqokelela yezinto ezheliweyo</b>	
	5.3 <b>Xoxa uze unukezele ingxelo ngengqokelela yezinto ezheliweyo</b>	

## ISAHLUKO 4: UHLOLO

### 4.1 INTSHAYELELO

UkuHlola yinkqubo eqhubekayo yokufunda ecwangcisiweyo yokuchonga, ukuqokelela nokutolika ulwazi malunga nendlela abaqhuba ngayo abafundi, usebenzisa iindlela ezahlukeneyo zokuHlola. Oku kubandakanya amanyathelo amane:

- Ukuqokelela ubungqina bokusebenza komfundi
- ukuphonononga obu bungqina
- ukurekhoda okufunyanisiweyo noku
- sebenzisa olo lwazi ukuqondisisa nokuncedisa uphuhliso lwabafundi ukupuhhlisa ukufunda nokufundisa.

UkuHlola kufanela kusekwe kokungekho sikweni (ukuHlola kokufunda nokuseSikweni (ukuHlola kokufunda). Kwiimeko zombini kunikwa ingxelo ekufanele abafundi bayazi ngokufunda kwabo.

Kwinqanaba elisisiseko, obona buchule bungundoqo kuHlola oluseSikweni nolungekho seSikweni kukujongwa baqatshelwe ngutitshala, iingxoxo zomlomo, imiboniso eyenziwayo nokurekhodisha ephepheni. UkuHlola kwiBanga labaqalayo malwenziwe ngNgomlomo nezenziwayo.

### 4.2 UKUHLOLA OKUNGEKHO SESIKWENI OKANYE KWEMIHLA NGEMIHLA

UkuHlola kokufunda kunenjongo yokuthi gqolo ukuqokelela ulwazi malunga nokusebenza komfundi . Oku kubi-zwa ngokuba kukuHlola okungekho seSikweni. Oku kukubeka esweni rhoqo kwenkqubo yomfundi. Oku kwenziwa ngokubonisa, ngokuxoxa, ngokwenza imisebenzi yeprekthikhali, imiboniso, ukusebenzisana okungekho seSikweni eklasini, njalo njalo. Makungabonwa oku njengokwahlukileyo koko kwaseklasini. UkuHlola okungekho seSikweni kunceda ukuba utitshala abeke esweni inkqubo yomfundi nokwenza izigqibo ezisekelwe kokufunyaniswe yonke imihla. UkuHlola okungekho seSikweni kusetyenziswa uku:

- Ukunika ingxelo kubafundi
- Ukuncedisa kwisicwangciso sokufundisa.

Ngamanye amaxesha utitshala unokugcina itshekhillisti okanye asebenzise uludwe lwenkqubo yokukhangela njen-gendlela yokurekhoda inkqubo yabafundi. Ngamanye amaxesha abafundi okanye ootitshala banokumakisha le misebenzi yokuHlola. Noko kunjalo, ukuHlola okungekho seSikweni aluyiyo inxalenye yokurekhodishwa njengoHlolo oluseSikweni. Iziphumo zemisebenzi yokuHlola zemihla ngemihla azithathelwa ngqalelo ekunyuselweni nasekukhut-shelweni isatifikethi.

### 4.3 UKUHLOLA OKUSESIKWENI

Yonke imisebenzi yokuHlola iyinxalenye yenqubo eseSikweni yokuHlola yonyaka kwaye ithatyathwa njengokuHlola okuSeSikweni. Imisebenzi yokuHlola okuseSikweni iyamakishwa ize irekhodishwe ngokuseSikweni ngutitshala elungi-selela ukuqhubela phambili nokukhutshwa kwesatifikethi. Imisebenzi yokuHlola okuseSikweni iyinxalenye yeN-kqubo yokuHlola yonyaka eseSikweni kwiBanga ngalinye nakwifundo ngasinye.

Utitshala unokujonga abafundi abali-10 ngexesha, ngoko imisebenzi yokuHlola okuseSikweni yensiwa ngokukodwa kwumatyeli ogxininiso emaqeleni amancinane, yaye kuthabatha iintsuku ezimbalwa ukuHlola iklasi yonke. Zonke izixhobo abaqhele ukuzisebenzisa abafundi, mazibe khona njengesiqhelo (izixhobo zokubala, iitshati zamanani njalo njalo).

Iindlela zokuHlola ezisetyenziswayo mazibe kwizinga neminyaka efanelekileyo, zibe nokukhulisa kubafundi. UkuHlola okuseSikweni makulungiselele onke amanqanaba anengqiqo nabanako ukukwenza abafundi. Indlela eyilwe ngayo le misebenzi ma iuke umxholo wesifundo ngeendlela ezahlukeneyo.

lindlela ezahlukeneyo zokuHlola (ukukhangela, Ngomlomo, ezenziwayo nezibhalwayo) mazisetyenziswe ukunika umfundu ngamnye ithuba lokubonisa akwaziyo ukukwenza. Oku kwenziwa kuba abanye abafundi babonisa abakwaziyo ukukwenza ngohlobo oluthile lwendlela yokuHlola. Umzekelo,

- Abanye abafundi abafumana kunzima ukufunda, benza kakuhle kwiMathematika.
- Abanye abafundi Bangangabikho kwizinga elamkelekileyo kulwimi lokufunda nokufundisa.

Imisebenzi yokuHlola kwiMathematiki mayibandakanye imisebenzi engaxhomekekanga kulwimi, engaxhomekekanga kukwazi ukufunda, ukubonisa eyona nto banako ukuyenza abafundi.

Noko kunjalo, mayiqondakale eyona nto eHlolwayo. Ulwazi nezakhono ezithile ziHlolwa ngokukuko ngeendlela ezithile zokuHlola. lintlobo ezahlukeneyo zokuHlola zilungele izakhono neengqiqo ezidinhekayo kwiintloblo ngeentloblo zezihlolo ngokweminyaka yabafundi. Kuluncedo ukusebenzisa itshekhlisti yokukhangela ukuHlola abafundi besenza imilinganiso kumaBanga abaqalayo. liRubhriki zingasetyenziswa ukuvavanya izakhono zabafundi zokusombulula iingxaki.

## 4.4 INKQUBO YOKUHLOLA OKUSESIKWENI

Imisebenzi yokuHlola okuseSikweni yeMathematiki ibandakanya ngaphezu kwesihloko esinye kwiMathematiki. Imisebenzi yokuHlola ngonyaka kufuneka iquke zonke iinkalo zomxholo nezhiloko, kodwa asiyiyo yonke into kwiimfuno zekharityhulam ema ihlolwe kwensiwe ingxelo ngokuseSikweni. Amanani, ukusebenza nolwalamano kwenza ipesenti engama- 60% yeMathematiki kwiBanga labaqalayo . Le nto ithetha ukuthi ipesenti engama - 60% yokuHlola okuseSikweni iKota ngonyaka ma igxininise kumanani, imisebenzi nolwalamano.

Umsebenzi wokuHlola okuseSikweni ma ungabonwa njengesiganeko esinye okanye uvavanyo olunye. Eminye imilinganiso yokuHlola ingasetyenziswa ngexesha elinye, kodwa eminye ingaHlolwa ngamaxeshya ohlukeneyo. Umzekelo, ukuba isakhono sokubala ngokuqakatha siyahlolwa , ukukwazi ukwenza oku kulandelayo kungaHlolwa kuwo lo msebenzi umnye:

- Ukugqibezela ukubala ngokulandeelanisa
- Ukufunda nokubhala iiisimboli zamanani
- Ukubala

Nangona kunjalo, ukuba umsebenzi wokuHlola uquka ukusombulula izibalo zamanani zamazwi ngokwenza amaqela okanye ukwahlula ngokulinganayo, nokuHlola abantwana ukukwazi ukwenza umlinganiselo womthamo; Kungenze ka ukuba le miba yeMathematiki iHlolwe ngamaxeshya angafaniyo nangeendlela ezahlukeneyo.

## 4.5 UKUREKHODISHA NOKUNIKA INGXELO NGOMSEBENZI)

Ukurekhoda yinkqubo apho utitshala abhala phantsi izinga lokusebenza lomfundu ngamnye kumsebenzi othile ohlolwayo. Kubonisa inkqubela-phambili yomfundu ekuzixhobiseni ngolwazi oluxeliweyo ngokweeNkcazel zePolisi yeKharityhulam nokuHlola. lirekhodi zomsebenzi womfundu kufanele ziniqe ubungqina ngenkqubela-phambili yomfundu ngokweBanga kune nokulungela kwakhe ukuqhubela phambili xa epasile ukuya kwiBanga elilandelayo.

lirekhodi zomsebenzi womfundu kufanele zisetyenziswe ukungqinisa inkqubela-phambili eyenziwe ngootitshala nabafundi kwinkqubo yokufundisa nokufunda.

Ukukhupha iripoti okanye ingxelo yinkqubo yokwazisa abafundi, abazali babo, isikolo nabanye abathathi-nxaxheba malunga nendlela asebenza ngayo umfundu ezifundweni zakhe gabalala. Zininzi iindlela ezisetyenziswayo ukunika iripoti okanye ingxelo ngomsebenzi womfundu. Ziquka amakhadi eripoti okanye engxelo, ukubiza iintlanganiso nabazali, iintsuku zokutyelela esikolweni, iinkomfa zabazali nootitshala, ukufownela abazali, ukuthumela iileta kubazali, ukuthumela oolindixesha besikolo okanye beklasi kubazali, njalo njalo. Ootitshala kumaBanga onke banika iripoti

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okanye ingxelo ngokweepesenti ngesifundo ngasinye. Amazinga ohlukeneyo okusebenza kunye neepesenti ahambelana nazo adweliswe kwiTheyibhile engasezantsi.

## IIKHOWUDI NEEPESENTI ZOKUREKHODA NOKURIPOTA (NOKUNIKA INGXELO NGOMSEBENZI)

KHOWUDI	INKCAELO NGENDLELA AQHUBE NGAYO KUMSEBENZI WAKHE UMFUNDI	IPESSENTI
7	Uphumelele emaqqabini	80 – 100
6	Ugqwesile	70 – 79
5	Uphumelele ngokuqaqambileyo	60 – 69
4	Uphumelele ngokwanelisayo	50 – 59
3	Uphumelele ngokufanelekileyo	40 – 49
2	Uphumelele ngokuyinxalenyne	30 – 39
1	Akaphumelelanga	0 - 29

## 4.6 ULWAZI GABALALA

Le dotyhumenti kufanele isetyenziswe nezi zilandelayo

4.6.1 *National policy pertaining to the programme and promotion requirements of national Curriculum statement Grades R-12; and*

4.6.2 The policy document, *National Protocol for Assessment Grades R-12*

## 4.7 IMIZEKELO YEETSHEKILISTI ZOHOLOLO OLUSESIKWENI EZICETYISWAYO

Imizekelo yeetsheklisti zokuHlola inikiwe kwiBanga labaQalayo (R) ngezantsi: Injongo kukuncedisa ootitshala bacwangcise baze benze uHlolo oluseSikweni ngendlela eqhubekayo.

IMIZEKEKLO YEETSHEKILISTI ZEBANGA LABAQALAYO (R)				
IKOTA YOKU - 1				
Inkalo yomxholo	Umxholo	Umlinganiselo wokuHlola	✓ okanye x	Ukuphawula
Amanani,ii-Opareyshini noLwalamano	Ukubala	Ukuqikelela aze abale ngokucengceleza ukuya kuzi- 5 (lingoma nezicengcelezo zamanani zibandakanywe ukukhulisa ingqiqo yamanani)		
	Unakano Iwamanani	Ukunakana amanani kwiimeko eziqhelekileyo umzekelo: iminyaka yokuzalwa, rejista(isigama esisetyenziswa xa kufundwa amanani)		
		Ukuqonda amanani ngokulandelelana (umzekelo ngexesha lesiqhelo lokuya ngasese)		
	Ingqiqo ngamanani	Ukuqondana phakathi komnye nomnye/ukungqamanisa (Itshati yomncedisi ngexesha lesidlo)		
	Ukuchonga nokuchaza amanani apheleleyo	Ukuchonga imifanekiso yamanani namakhadi amachaphaza equka inani u-1		
		Ukwazi isimboli yenani u-1		
		Ukunakana igama lenani u-1		
	Ukusombulula izibalo zamanani zamazwi	Ukusebenzisa izixhobo eziphathetkayo		
		Ukuchaza iingcinga zakhe ngamazwi nangemizobo okanye izinto eziphathetkayo		
lipateni neFankshini	Ukukopa, wandise, uze uyile iipateni zakho	Ukuchonga iipateni kokusingqongileyo		
		Ukukopa, andise aze ayile iipateni ezizezakhe		

IMIZEKEKLO YEETSHEKILISTI ZEBANGA LABAQALAYO (R)

IKOTA YOKU - 1

Inkalo yomxholo	Umxholo	Umlinganiselo wokuHiola	✓ okanye x	Ukuphawula
Isithuba nemilo	Ukunakana, achonge aze axele izinto ezinokwakheka kuka 3-D	Ukunakana, achonge aze abize iibhola		
		Ukunakana, achonge aze abize iibhokisi		
	Ukunakana, achonge aze axele izinto ezinokwakheka kuka 2-D	Ukunakana, achonge aze abize iisimboli zakhe, iisimboli zabahlobo kune negama leklesi		
		Ukwakha ebuncinaneni iphazili emaqhekeza ma- 6		
		Ukubonisa ukukwazi ukohlula phakathi kwezinto ezifotwe zankulu ngaphambili nezo zifotwe zancinci ngemva(foreground and background)		
	limilo zejiyometri	Ukuchonga nokunakana isangqa		
		Ukuchonga nokunakana unxantathu		
		Ukuchonga nokunakana uxande		
	Ukuchaza, ahlele aze athelekise izinto ezinokwakheka kuka 3-D ngokwe::	Ukuthelekisa ukuba kwizinto eziqokelelweyo ezimbini, yeypipi enkulu kunenye, encinane kunenye, enkulu kuzo zonke, eyona incinane kuzo zonke		
		Ukuhlela izinto ngokobungakanani – enkulu nencinane		
		Umbala – Imibala engundoqo (bomvu, qanda, bhlowu)		
		Imilo – isangqa, unxantathu noxande		
		Izinto eziqengqeleyako		
	Ukunakana umgca wolingano-macala:	Izinto ezitshebelezayo		
		Ukunakana umgca wolingano-macala kwisiqu sakhe		
		Ukwazi phambi kwe-/ ngemva kwe-		
		Ukwazi phezu kwe-, phantsi kwe-		
	Ulwalamano ngok-wezithuba:	Ukwazi ngaphakathi, ngaphandle		
		Ukwazi phezulu, phantsi		
	Indawo-bumilo yezinto ezimbini ngokunxulumene nomfundu			
	Ingqiyo yokwalathisa	Ukuqonda la magama: ukuya phambili, emva, phambili nasemva		
Umlinganiselo	Ixesha	Ukusebeniza amagama anjengo: usuku, ubusuku, ubumhlophe nobumnyama, kusasa, emalanga, ngobusuku, ukuchaza ixesha losuku		
		Ukulandelelanisa izinto ezenzekayo ngosuku (Inkubo yosuku)		
		Ukubonisa nokwazi iiintsuku zeveki, amaxesha onyaka nemozulu		
		Ukwazi iiintsuku zokuzalwa zabo		
	Ubude	Ukwahlula phakathi ko: inde, inde kunenye, inde kuzo zonke, imfutshane, imfutshane kunenye, imfutshane kuzo zonke (Itshati yobude)		
Ukusebenza ngolwazi oluqokelelw-eyo	Ukuqokelela, ahlele, azobe, afunde aze abonise ulwazi	Ukukwazi ukuqokelela, ahlele, azobe, afunde aze abonise (atolike) izinto ngokophawu olunye.		

UHLELO LUKUGQIBELA:

# MATHEMATIKA IBANGA LABAQALAYO (R)

IMIZEKELO YEETSHEKHILISTI ZEBANGA LABAQALAYO(GRADE R)				
IKOTA YESI- 2				
Inkalo yomxholo	Umxholo	Umlinganiselo wokuHlola	✓ okanye x	Ukuphawula
Amanani,ii- Oparyeshini noLwalamano	Ukubala	Qikelela aze abale ngokucengceleza ukuya ku- 5 (lingoma nezicengcelezo zamanani zibandakanywe ukukhulisa ingqiqo yamanani)		
		Bala ukubuya umva nokuya phambili (1-4)		
		Qonda amagama "ninzi no mbalwa" (uqhawba)		
	Unakano lwamanani	Nakana amanani kwiimeko eziqhelekileyo umzekelo: inombolo yendlu, irejista yedilesi		
	Ukuchonga nokuchaza amanani apheleleyo	Chonga imifanekiso yamanani namakhadi amachaphaza		
		Zazi iisimboli zamanani 1, 2, 3, 4		
		Nakana amagama amanani - mbini, ntathu, ne		
	Inggiqo ngamanani	Qondana phakathi komnye nomnye/ukungqamanisa (Itshati yomncedisi ngexesha lesidlo)		
		Hlula phakathi kwamagama: ngaphezu, ngaphantsi nokulingana, ninzi nezimbalwa ukuya kuzi-4		
		Nakana iintlobo zemali ezinkozo/mwanganala yoMzantsi Afrika		
	Ukusombulula izibalo zamanani zamazwi	Sebenzisa izixhobo eziphathekayo		
		Chaza iingcinga zakhe ngamazwi nangemizobo okanye izinto eziphathekayo.		
		Sombulula izibalo zamanani zomlomo ngokudibanisa nokuthabatha ukuya ku- 4		
lipateni neFankshini	Ukukopa, wandise, uze uyile iipateni zakho	Kopa, wandise, uze uyile iipateni zakho (izinto, iimilo nemali ezinkozo)		
Isithuba nemilo	Ukunakana, achonge aze axele izinto ezinokwakheka kuka 2-D	Yakha iphazili emaqhekeza ali -12 ubuncinane.		
		Bonisa ukukwazi ukohlula phakathi kwezinto ezifotwe zankulu ngaphambili nezo zifotwe zancinci ngemva (foreground and background) (Hlola kwakhona)		
	limilo zejiyometri	Nakana nokuchonga unxantathu		
		Qonda agcine ulwazi luka nxantathu (ugcino-lwazi lwemilo)		
	Ukunakana, achonge aze axele izinto ezinokwakheka kuka 3-D ngokwe:	Thelekisa ukuba kwizinto eziqokelelweyo ezimbini, yeypshi enkulu kuneny, encinane kuneny, enkulu kuzo zonke, eyona incinane kuzo zonke		
		Hlela izinto ngokobungakanani– ende nemfutshane		
		Imibala – (bomvu, qanda, bhlouw noluhlaza)		
		limilo		
	Ukwakha izinto ezinokwakheka kuka 3-D esebenzisa izinto eziphathekayo	Phicotha ukwakha ngeebhloko		
	Ukunakana umgca wolingano-macala:	Ukunakana umgca wolingano-macala kwisiq sakhe nokumngqongileyo		
	Ulwalamano ngokwezithuba	Ukuqonda indawo-bumilo yezinto ezimbini nangaphezulu ngokungqamene nomfundu		
		Phezu kwe, phantsi kwe		

# MATHEMATIKA IBANGA LABAQALAYO (R)

IMIZEKELO YEETSHEKHILISTI ZEBANGA LABAQALAYO(GRADE R)				
IKOTA YESI- 2				
Inkalo yomxholo	Umxholo	Umlinganiselo wokuHlola	✓ okanye x	Ukuphawula
Umlinganiselo	Ixesha	Qonda iintsuku zeveki, amaxesha onyaka netshati yemozulu (iingoma nezicengcelezo – Hlola kwakhona)		
		Lazi usuku lwakhe lokuzalwa (Hlola kwakhona)		
	Ubude	Hlula phakathi kwe; eyona inde, eyona imfutshane, (Itshati yobude)		
Ukusebenza ngo lwazi oluqokelelwego	Ukuqokelela, ahlele, azobe, afunde aze abonise (atolike) izinto ngokophawu olunye.			

## UHLELO LUKUGQIBELA:

IMIZEKELO YEETSHEKHILISI ZEBANGA LABAQALAYO(GRADE R)				
IKOTA YESI - 3				
Inkalo yomxholo	Umxholo	Imilinganiselo yoHlolo	✓ okanye x	Amagqabantshintshi
Amanani,ii- Oppeareyshini noLwalamano	Ukubala	Qikelela nokubala ngokucengceleza ukuya kwi - 7 (iingoma nezicengcelezo zamanani zibandakanya ukukhulisa ingqiqo ngamanani)		
		Bala ubuya umva nokuya phambili (1 -7)		
		Ukwazi ukuba kuqhwayta kangaphi ngaphezulu/ ngaphantsi		
	Ukunakana amanani	Nakana amanani kwiimeko eziqhelekileyo - umzekelo: iminyaka yokuzalwa, irejista (Hlola kwakhona)		
	Ukuchonga nokuchaza amanani apheleleyo	Chonga imifanekiso yamanani namakhadi amachaphaza ukuya kwianani i - 7		
		Ukwazi iisimboli zamanani 5, 6, 7		
		Nakana amagama amanani ; hlanu, ntandathu, sixhenxe		
	Ingqiqo ngamanani	Ukwahlula phakathi ko: ngaphezulu, ngaphantsi nezilingana, zininzi nezimbalwa ukuya kwi -7		
		Nakana umbala neentlobo zezilwanyana kokubhaliwego eMzantsi Afrika		
	Ukusombulula izibalo	Sebenzisa izixhobo eziphathetkayo Chaza iingcinga zakhe ngamazwi nangemizobo okanye izinto eziphathetkayo Ngomlomo usombulula izibalo ukuya kwi-7 ngokudibanisa nokuthabatha		
Iipateni neFankshini	Ukukopa, wandise aze ayile iipateni zakhe	Kopa, andise aze ayile iipateni zakhe esebezisa imifanekiso		

## MATHEMATIKA IBANGA LABAQALAYO (R)

Isithuba nemilo (Ijiyometri)	Nakana, achonge aze axele iimilo/ imifanekiso enokwakheka kuka 2-D	Yakha iphazili enezicwili/izijungqe ezili- 18 ubuncinane		
limilo zejiyometri		Nakana, achonge aze axele uxande Qonda ugcino- milo olufundiweyo (shape conservation)		
Ukwakha izinto ezinokwakheka kuka 3-D esebenzisa izixhobo eziphathetkayo		Yakhela kumzekelo wokwakha onikiweyo Kopa isakhiwo kuyilo nekhadi lomfanekiso		
Uzalwano Iwesithuba		yazi imeko -bume yezinto ezimbini nangaphezulu ngokuzalana kwazo  Phambi kwe-, emva kwe-, ngaphezu kwe-, phantsi kwe-, ezantsi kwe-, kufuphi ne-, ecaleni kwe-, phakathi, ekhohlo nasekunene  UYenza ngokwemiyalelo kwi phegi-bhodi		
Ingqiqo yokwalathisa		Yazi izalathiso kwitshati yokukhomba		
Umlinganiselo	Ubude	Qikelela nokwenza umlinganiselo kubude bezinto ezahlukeneyo		
	Ubunzima	Qonda amagama anjengo: “ubulula, ubunzima, ilula kunenye, inzima kunenye, eyona ilula kuzo zonke, eyona inzima kuzo zonke”		
	Umthamo	Landela amagama ajengo: ize, izele, ngaphezu kwe-, ngaphantsi kwe-		
Ukusebenza ngolwazi oluqokelelweyo	Ukuqokelela, ahlele, azobe, afunde aze atolike izinto ngokophawu olunye	Kwazi ukuqokelela, ahlele, azobe, afunde aze atolike izinto ngokophawu olunye		

### UHLELO LOKUGQIBELA

**IMIZEKELO YEETSHEKHILISI ZEBANGA LABAQALAYO (GRADE R)**

**IKOTA YESI - 4**

Inkalo yomxholo	Umxholo	Imilinganisel yoHlolo	✓ okanye x	Amagqa-bantshintshi
Amanani, li-opareyshini noLwalamano	Ukubala	Qikelela nokubala ngokucengceleza ukuya kuzi - 10 (iingoma nezicengcelezo zamanani zibandakanywa ukukhulisa ingqiqo ngamanani)		
		Bala ukuya emva nokuya phambili (0 -10)		
		Bala ngezi- 2 (lingoma nezicengcelezo zamanani)		
		Qonda amagama anjengo: "ninzi no mbalwa" (ngokuqhawaba)		
		Qonda ukuba uqhwabe kangaphi ngaphezu/ ngaphantsi, elona lininzi/ elona lincinane		
		Chonga umfanekiso wenani kunye namakhadi anamachaphaza ukusuka kwi-0 ukuya kwi-10		
		Zazi iisimboli zala manani 8,9,10 ne-0 kwaye:		
		Anakane amagama ala manani- isibhozo, isithoba, isumi neqanda		
		Gqibezela ulandelewano lwamanani alula ukusuka kwinani u-1 ukuya kwi-10		
		Nakana aze achonge amanani kwiimeko eziqhelekileyo - umzekelo iminyaka yokuzalwa, irejista yamanani		
Ukuchonga nokuchaza amanani apheleleyo	Ukunakana amanani	Chonga imifanekiso yamanani namakhadi amachaphaza ukusuka 0 – 10		
		Zazi iisimboli zamanani 8, 9, 10		
		Nakana amagama amanani - isibhozo, ithoba neshumi kunye ne – 0		
		Gqibezela ulandelewano olulula lwamanani ukusuka ku 1-10		
Inggiqo ngamanani		Hlula phakathi ko: ngaphezulu, ngaphantsi, ilingana, ezona zininzi nezona zimbalwa ukuya kwi nani i-10		
		Qonda amanani alandelelanayo - eyokuqala, eyesibini, eyesithathu, eyesine, eyesihlanu neyesithandathu		
		Sebenzisa izixhobo eziphatheskayo Chaza iingcinga zakhe ngamazwi nangemizobo okanye izinto eziphatheskayo Ngomlomo usombulula izibalo zamanani ngokudibanisa nokuthabatha amanani ukuya kwi – 10		
IiPateni neFankshini	Ukukopa, wandise aze ayile iipateni zakhe	Kopa, andise aze ayile iipateni ezimanyelweyo zakhe		
		Qonda umdlalo " uSkhotshi/ uGuni / uNochelesi / uNochelu"		
Isithuba nemilo (ijiyometri)	Ukunakana, achonge aze axele iimilo ezinokwakheka kuka 2-D	Kwazi ukwakha iphazili emaqhekeza engama- 24 ubuncinane		
	limilo zejiyometri	Nakana aze achonge isangqa, unxantathu, uxande nesikwere		
	Ukunakana umgca wolingano-macala	Nakana umgca wolingano-macala kwizinto		
	Uzalwano Iwesithuba	Yazi amagama anjengo: kufuphi ne-, phakathi, embindini, ekhohlo nasekunene		
		Kwazi ukwenza umsebenzi wephegi-bhodi ophambilii		
	Inggiqo yokwalathisa	Qonda amagama anjengo: phambili nasemva, phezulu naphantsi, entla nasezantsi, ekhohlo nasekunene		

## MATHEMATIKA IBANGA LABAQALAYO (R)

Umlinganiselo	Ubude	Qonda ukuba izinto ziyalinganiswa nangokusebenzisa itheyiphu yokulinganisa		
Ukusebenza ngolwazi oluqokelelweyo	Ukuqokelela, ahlele, azobe, afunde aze abonise ulwazi	Kwazi ukuqokelela, ahlele, azobe, afunde aze atolike izinto ngokophawu olunye		

### UHLELO LOKUGQIBELA

