

ISIZULU 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

**ISITATIMENDE SENQUBOMGOMO YOHLELO LWEZIFUNDO
NOKUHLOLA**

IBANGA R

IZIBALO

IZIBALO IBANGA R

DISCLAIMER

In view of the stringent time requirements encountered by the Department of Basic Education to effect the necessary editorial changes and layout to the Curriculum and Assessment Policy Statements and the supplementary policy documents, possible errors may occur in the said documents placed on the official departmental websites.

There may also be vernacular inconsistencies in the language documents at Home-, First and Second Additional Language levels which have been translated in the various African Languages. Please note that the content of the documents translated and versioned in the African Languages are correct as they are based on the English generic language documents at all three language levels to be implemented in all four school phases.

If any editorial, layout or vernacular inconsistencies are detected, the user is kindly requested to bring this to the attention of the Department of Basic Education.

E-mail: capslangcomments@dbe.gov.za or fax (012) 328 9828

Department of Basic Education

222 Struben Street
Private Bag X895
Pretoria 0001
South Africa
Tel: +27 12 357 3000
Fax: +27 12 323 0601

120 Plein Street Private Bag X9023
Cape Town 8000
South Africa
Tel: +27 21 465 1701
Fax: +27 21 461 8110
Website: <http://www.education.gov.za>

© 2011 Department of Basic Education

ISBN: 978-1-4315-0439-8

Design and Layout by: Ndabase Printing Solution

Printed by: Government Printing Works

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) and the *National Curriculum Statement Grades 10-12* to produce this document.

From 2012 the two National Curriculum Statements, 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* represents a policy statement for learning and teaching in South African schools and comprises of the following:

- (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 "Motsekga".

MRS ANGIE MOTSEKGA, MP
MINISTER OF BASIC EDUCATION

OKUQUKETHWE

ISIGABA SOKU – 1: ISINGENISO NESENDLALELO.....	3
1.1 Isendlalelo.....	3
1.2 Ulwazi jikelele	3
1.3 Izinhloso ezejwayelekile zohlelo Iwezfundo zaseNingizimu Afrika	4
1.4 Ukwabiwa kwesikhathi.....	6
1.4.1 IsiGaba esiyisiSekelo	6
1.4.2 IsiGaba esiPhakathi neNdawo (ibaanga lesi- 4 kuya kwelesi – 6).....	6
1.4.3 IsiGaba esiPhakeme	7
1.4.4 IBanga le – 10 kuya kwele -12.....	7
ISIGABA SESI – 2: INCAZELO, IZINHLOSO, IMAKHONO NOKUQUKETHWE.....	8
2.1 Isingeniso.....	8
2.2 Ziyini Izibalo.....	8
2.3 Imiphumela eqondile.....	8
2.4 Amakhono aqondile	9
2.5 Izingxenyelwazi okugxilwe kulo.....	9
2.6 Isisindo sezingxenyelwazi	11
2.7 Izibalo emaBangeni aphansi	11
2.7.1 Imigomo ephakanyisiwe yokuphatha ikilasi	12
2.7.2 Abafundi abanezingqinamba ekufundeni izibalo.....	13
2.7.3 Izibalo zekhanda	13
2.8 IBanga R.....	14
2.9 Izinsizakufundisa ezinconyiwe emaBangeni aphansi ekilasini lezibalo.....	17
ISIGABA SESI – 3: UKUCACISA OKUQUKETHWE NOKUQONDWE NGQO	18
3.1 Isingeniso.....	18
3.2 Okuqukethwe okuqondwe ngqo okukhombisa inqubekela phambili	18
• Izinombolo, izimpawu kanye nobudlelwano bazo	19
• Amaphethini, ukuxhumanakanye ne-aljebhra	26
• Indawo nesimo (ijiyometri)	27
• Isilinganiso	30
• Ukuqokelelwazi lwezibalo	35
3.3 Ukucacisa Okuqukethwe	37

IZIBALO IBANGA R

3.4 Isivinini nokulandelanisa okuqukethwe.....	37
3.5 Incazeloylwazi IweBanga R	60
ISIGABA SESI – 4: UKUHLOLA	262
4.1 Isingeniso	262
4.2 Uhlola ngongakuhlelekile /ukuhlola kwansukuzonke.....	262
4.3 Ukuhlola okuhlelekile.....	262
4.4 Uhlelo lokuhlola ukuhlola okuhlelekile	263
4.5 Ukubhala nokubika ngokusebenza kwabafundi.....	263
4.6 Jikelele	264
4.7 Izibonelo zohla lokubheka ukuhlolwa okuhleliwe kweBanga R	264

ISIGABA SOKU – 1: ISINGENISO NESENDLALELO

1.1. ISENDLALELO

IsiTatimende SoHlelo LweziFundo LukaZwelone seBanga-R kuya kwele-12 (uTaHFuZwe) sikhombisa inqubomgomo yezinhlelo zezifundo kanye nezokuhlola emkhakheni wokufunda esikoleni.

Ukuze kwenziwe ngcono ukusetshenziswa kwaso, kwadingeka ukuthi kube nezichibiyelo ezithile ezizoqala ukusebenza ngoMasingana ngonyaka wezi-2012. Kwabe sekubhalwa umqulu owodwa odidiyele *IsiTatimende SeNqubomgomo YoHlelo LweziFundo NokuHlola* saleso sifundo, okuwumqulu othatha isikhundla *seziTatimende zesiFundo, umHlahlandlela woHlelo lokuFunda kanye nomHlahlandlela wokuHlola Izifundo eBangeni-R* kuya kwele-12.

1.2 UKUBUKA NGAMAFUPHI

- (a) *IsiTatimende SoHlelo LweziFundo LukaZwelone seBanga-R kuya kwele-12 (kuMasingana ngonyaka wezi-2012)* simle inqubomgomo yokufunda nokufundisa ezikoleni zaseNingizimu Afrika futhi siqukethe lokhu:
 - (i) NesiTatimende seNqubomgomo yoHlelo LweziFundo nokuHlola kuleso naleso sifundo esifundwayo.
 - (ii) Umqulu weNqubomgomo, *i-National Policy pertaining to the programme and promotion requirements of the National Curriculum Statement IBanga-R kuya kwele-12*, kanye
 - (iii) Nomqulu weNqubomgomo, *i-National Protocol for Assessment IBanga-R kuya kwele-12 kuMasingana ngonyaka we-2012*.
- (b) *IsiTatimende SoHlelo LweziFundo LukaZwelone seBanga-R-12 (kuMasingana 2012), sithatha indawo yeziTatimende zoHlelo LweziFundo lukaZwelone ezimbili ezikhona njengamanje; okuyilezi*
 - (i) *IsiTatimende soHlelo LweziFundo LukaZwelone Olubukeziwe IBanga-R kuya kwelesi-9, IGazethi KaHulumeni ye-23406 zingama-31 kuNhlaba ngonyaka wezi -2002 kanye*
 - (ii) *IsiTatimende soHlelo LweziFundo LukaZwelone IBanga le-10 kuya kwele-12, IGazethi KaHulumeni ye-25545 ziyi-6 kuMfumfu ngonyaka we-2003 neye-27594 ziyi-17 kuNhlaba ngonyaka we-2005.*
- (c) *IsiTatimende soHlelo LweziFundo lukaZwelone esibekwe sacaciswa esigabeni u-b(i) kanye no- (ii) siqukethe le miqulu yenqubomgomo elandelayo esizomiswa ukusetshenziswa kuthi esikhundleni sayo kungene isiTatimende soHlelo LweziFundo IBanga-R kuya kwele -12 kusuka ngonyaka wezi-2012 kuya kowezi-2014:*
 - (i) Isifundo/isiTatimende sesiFundo, umHlahlandlela woHlelo lokuFunda kanye nomHlahlandlela wokuHlola kwesiFundo IBanga-R kuya kwelesi-9 kanye neBanga le-10 kuya kwele -12;
 - (ii) Umqulu wenqubomgomo, *iNational Policy on Assessment and Qualification for Schools in the General Education and Training Band okwashicilewa kwaba umthetho kuGovernment Notice No.124 kuGovernment Gazette No. 29626 mhla ziyi-12 kuNhlolanja ngonyaka wezi-2007.*
 - (iii) Umqulu weNqubomgomo, *i-National Senior Certificate: iKhwalifikheshini yezinga lesi-4 kuNational Qualifications Framework (NQF)*, elishicilewa laba semthethweni *kuGovernment Gazette No. 27819 mhla zingama- 20 kuNtulikazi ngonyaka wezi-2005*;

IZIBALO IBANGA R

- (iv) Umqulu weNqubomgomo, *isichibiyelo somqulu wenqubomgomo, weNational Senior Certificate: iKhwalifikheshini yezinga lesi-4 kuNational Qualifications Framework (NQF), ukubhekelela izingane ezinezidingo eziyisipesheli, elethulwa kuGovernment Gazette, No. 29466 mhla ziyi-11 kuZibandlela ngonyaka wezi-2006, lifakiwe nalo kulo mqulu wenqubomgomo, i-National Policy pertaining to the programme and promotion requirements of the National Curriculum Statement IBanga-R kuya kwele-12; kanye;*
- (v) Nomqulu wenqubomgomo, *isichibiyelo somqulu wenqubomgomo, weNational Senior Certificate: iKhwalifikheshini yezinga lesi-4 kuNational Qualifications Framework (NQF), ukubhekelela i-National Protocol for Assessment (IBanga-R kuya kwele-12), elashicilelwa laba semthethweni kuGovernment Notice No. 1267 kuGovernment Gazette No. 29467 mhla ziyi-11 kuZibandlela ngonyaka wezi-2006;*
- (d) Umqulu wenqubomgomo, *i-National policy pertaining to the programme and promotion requirements of the National Curriculum Statement IBanga-R kuya kwele-12, kanye nezigaba ezitholakala esiTatimendeni seNqubomgomo soHlelo IweziFundo nokuHlola njengoba kubekiwe ezahlukweni kusuka kwesesi-2,3 kanye nesesi-4 kulo mqulu kuyingxene yemithetho nemigomo yesiTatimende soHlelo IweziFundo IBanga-R kuya kwele-12. Ngalokho-ke, ngokuka Section 6 A weSouth African Schools Act, 1996 (Act No.84 of 1996,) kwakha isisekelo sokuthi uNgqongqoshe weMfundu esemaZingeni aPhansi akwazi ukunquma imiphumela kanye nemigomo emincane nje okungasukelwa kuyo, kanye nenqubo, nendlela yokwenza ukuhlola kokuphumelela komfundi ukuba kusetshenziswe ezikoleni zomphakathi nalezo ezizimele.*

1.3 IZINHLOSO EZIVAMILE ZOHLELO LWEZIFUNDO ZASENINGIZIMU AFRIKA

- (a) *IsiTatimende soHlelo IweziFundo lukaZwelonek seBanga-R kuya kwele-12 sikhombisa lokho okuthathwa ngokuthi kungulwazi, amakhono namagugu adinga ukufundwa ezikoleni zaseNingizimu Afrika. Lolu Hlelo IweziFundo luhlose ukuqinisekisa ukuthi abafundi bathola babuye basebenzise ulwazi namakhono njengendlela ahambisana ngayo nezimpilo zabo. Ngale ndlela uHlelo IweziFundo lukhulisa ulwazi Iwezimo abaphila kuzona, babenozwelo kuzibopho zomhlaba jikelele.*
- (b) *IsiTatimende SoHlelo LweziFundo LukaZwelonek seBanga-R kuya kwele-12 sihlose lokhu:*
- Ukuhlomisa abafundi, noma ngabe bavela kuziphi izimo zenhlalo yomphakathi nezomnotho, ubuzwe, ubulili, ukukwazi ukusebenzisa umzimba nengqondo/ukuhlakanipha, ngolwazi, amasu nokungamagugu adingekayo ukuze bakwazi ukuzenelisa, nokubamba iqhaza elibonakalayo emphakathini njengezakhamuzi zezwe elikhululekile.
 - Ukuvumela abafundi ukuba bangene emikhakheni yemfundo ephakeme.
 - Ukwenza kube lula kubafundi ukwedlulela ezikhungweni zemisebenzi ngemuva kokuqedu esikoleni/ imfundu yamabanga aphakeme; kanye
 - Nokwedlulisela kubaqashi ulwazi oluphelele ngamakhono nakwazi ukukwenza ngempumelelo umfundu.
- (c) *IsiTatimende soHlelo IweziFundo lukaZwelonek seBanga-R kuya kwele -12 sesekwe yile migomo elandelayo:*
- *Ukuguquka kwezenhlalo yomphakathi; ukubhekelela ukungalingani kwezemfundu ngesikhathi esedlule ukuze kulungiswe, nokuthi amathuba okufunda alinganayo atholwe yiwo wonke umphakathi;*
 - *Ukufunda ngokuphapheme nangokuhlolisa; ukukhuthaza indlela yokufunda ngokuphapheme nangokuhlolisa ekufundeni , kunokuthi abafundi bamane bagxishe emakhanda lokho abanikwe khona bebe bengayiqondi incazelo yakho;*

- *Ulwazi oluphakeme namakhono aphakeme*, ubuncane obemukelekile umthetho wokulinganisa ulwazi okumele luzuzwe ebangeni ngalinye kumele bucaciswe, kubekwe nemigomo ephezulu okumele izuzwe kuzo zonke izifundo;
 - *Inqubekela phambili yolwazi*; okuqukethwe nengqikithi yalelo nalelo banga kukhombise inqubekela phambili ukusuka kokulula kuya kokulukhuni.
 - *Amalungelo esintu, ukudidiyela, ubulungiswa bezemvelo nezenhlalo yomphakathi*; ukufaka imigomo nenkambiso yobulungiswa bezemvelo nezenhlalo kanye namalungelo esintu njengoba echaziwe kumThethosisekelo waseNingizimu Afrika. IsiTatimende soHlelo IweziFundo lukaZwelonke seBanga-R kuya kwele-12 (Jikelele) sinozwela ezindabeni zokwehlukahlukana kwsintu njengobuphofu, ukungalingani, ubuzwe, ubulili, ulimi, ubudala nokukhubazeka kanye nezinye izimo;
 - *Ukwazisa ngezinhlelo zolwazi lwendabuko*, ukwazisa ukunotha komlando namasiko aleli zwe, nomthelela obalulekile wokufundisa ngamagugu aqukethwe ngumThethosisekelo okube nawo njengomsuka wenguquko ukusiza ekuguquleni amagugu abafundi; kanye
 - *Nokukholakala, uhlonde kanye nokwenza ngempumelelo*, ukuhlinzeka ngohlobo lwemfundu olungaqhathaniseka ngokuqequesheka nangazo zonke ezinye izindlela njengakwamanye amazwe.
- (d) Isitatimende Sohlelo LweziFundo Lukazwelonke seBanga-R kuya kwele-12 sihlose ukukhiqiza abafundi abazokwazi:
- Ukubona baxazulule izinkinga, bakwazi nokwenza izinqumo besebenzisa ukucabanga ngokuhlaziya nangobuchule;
 - Ukusebenza ngokuzinikela nabanye njengamalungu eqembu;
 - Ukulungiselela, bakwazi ukuziphatha bona baphathe nemisebenzi yabo ngokuyikho;
 - Ukuqoqa, bahlaziye, bahlele, bahlanganise, bahlolisise ngokucubungula ulwazi.
 - Ukuxoxisana ngempumelelo besebenzisa izinto ezibukwayo, ukufanekisa ngezimpawu kanye namanye amakhono olimi ezimweni ezahlukene;
 - Ukusebenzisa isayensi nobuchwephesho ngempumelelo nangokuhlolisa bekhombisa nokuzinikela kwezemvelo kanye nempilo yabanye; kanye
 - Nokukhombisa ukuqondisa umhlaba njengenkundla yezinhlelo ezhlobene ngokubona ukuthi izimo zokuxazulula izinkinga azenzeki ngazodwana.
- (e) *Ukuhlanganisa izinhlobo zabafundi* yikho okumele kube ngumgogodla wokuhlela, ukulungiselela, nokufundisa kuleso naleso sikole. Lokhu kungenzeka kuphela uma bonke othisha bekuqonda kahle ukuthi bazobabona futhi babasize kanjani abafundi abanezihibe ekufundeni, nokuthi bazokuhlelela kanjani ukwehlukahlukana kwabafundi.

Okusemqoka ngokuhlanganisa izinhlobo zabafundi, ukuqinisekisa ukuthi zonke izithiyo ziyabonwa zigudluzwe ngayo yonke indlela ezikoleni, kumbandakanya othisha, amakomidi asemahhovisi ezemfundu, amakomidi ezikoleni, abazali kanye nezikole ezikhethekile ezisetshenziswa njengemithombo yolwazi. Ukuguduza izithiyo emakilasini, othisha bangasebenzisa amaqhingga ahlukene ezinhlelo zezifundo njengalezo ezitholakala eMnyangweni wezeMfundu eyisisekelo: *Guidelines for Inclusive Teaching and Learning (2010)*.

IZIBALO IBANGA R

1.4 UKWABIWA KWESIKHATHI

1.4.1 IsiGaba esiyisiSekelo

- (a) Isikhathi sokufundisa emkhakheni weSigaba Esiyisekelo sinjengoba sikhonjisiwe kuleli thebula elingezansi:

ISIFUNDO	IBANGA-R (AMAHORA)	IBANGA LOKU-1 KUYA KWELESI-2 (AMAHORA)	IBANGA LESI-3 (AMAHORA)
ULimi IwaseKhaya	10	7/8	7/8
ULimi lokuQala lokwEngeza		2/3	3/4
Izibalo	7	7	7
Amakhono Empilo:	6	6	7
• Ulwazi lokuqala	(1)	(1)	(2)
• Ubuciko bokusungula	(2)	(2)	(2)
• Isifundo sokuzivocavoca	(2)	(2)	(2)
• Okuqondene nomuntu uqobo kanye nokuphila emphakathini	(1)	(1)	(1)
ISAMBA	23	23	25

- (b) Isikhathi sokufundisa seBanga-R, 1 neBanga lesi-2, amahora angama-23 kuthi IBanga lesi-3 kube ngamahora angama-25.
- (c) Izilimi zabelwe amahora ayi-10 eBangeni-R kuya kwelesi-2 kanye namahora ayi-11 eBangeni lesi-3. Isibalo esiphezulu samahora ayisi-8 nesibalo esiphansi esingamahora ayi-7 sabelwe ULimi IwaseKhaya kanye nesibalo esiphansi esingamahora ama-2 nesibalo esiphezulu esingamahora ama-3 soLimi lokuQala lokwEngeza eBangeni loku-1 kuya kwelesi-2. EBangeni lesi-3 isibalo esiphezulu esingamahora ayisi-8 nobuncane obungamahora ayisi-7 sabelwe iziLimi zaseKhaya kanye nobuncane obungamahora ama-3 nobuningi obungamahora ama-4 oLimini lokuQala lokwEngeza.
- (d) Esifundweni samakhono olwazi lokuqala, kwabiwe Ihora eli-1 eBangeni-R kuya kwelesi-2 kanye namahora ama-2 njengoba kukhonjisiwe ngamahora akubakaki ethebulini eBangeni lesi-3:

1.4.2 IsiGaba esiPhakathi neNdawo (IBanga lesi- 4 kuya kwelesi-6)

Leli thebula elingezansi likhombisa izifundo nesikhathi sokufundisa esibekiwe sesigaba esiphakathi nendawo:

ISIFUNDO	AMAHORA
ULimi IwaseKhaya	6
ULimi lokuQala lokwEngeza	5
Izibalo	6
Isayensi nobuchwepheshe	3,5
Isayensi yezokuhalisana kwabantu	3
Amakhono Empilo	4
• Ubuciko bokusungula	(1.5)
• Isifundo sokuvocavoca umzimba	(1)
• Okuqondene nomuntu uqobo kanye nokuphila emphakathini	(1.5)
ISAMBA	27,5

1.4.3 IsiGaba esiPhakeme

- (a) Isikhathi sokufundisa IsiGaba EsiPhakeme simi ngale ndlela:

ISIFUNDO	AMAHORA
ULimi LwaseKhaya	5
ULimi lokuQala lokwEngeza	4
Izibalo	4.5
Isayensi yezemvelo	3
Isayensi yokuhlisana komphakathi	3
Ezobuchwepheshe	2
Isayensi yokuphathwa komnotho	2
Ukwazi ngamakhono empilo	2
Ubuciko bokusungula	2
ISAMBA	27,5

1.4.4 IBanga le-10 kuya kwele-12

- (a) Isikhathi sokufundisa eBangeni le 10 kuya kwele-12 simi ngale ndlela:

ISIFUNDO	UKWABIWA KWESIKHATHI NGESONTO (AMAHORA)
ULimi LwaseKhaya	4.5
ULimi lokuQala lokwEngeza	4.5
Izibalo	4.5
Ukwazi amakhono empilo	2
Okungenani kungakhethwa izifundo ezintathu eqoqweni B <i>Isengezelelo B, Ithebula B1 kuya ku-B8 kumqulu wenqubomgommo, National policy pertaining to the programme and promotion requirements of the National Curriculum Statement IBanga-R kuya kwele-12, isifundo ngenkombandela ebhalwe esigabeni sama-28 kumqulu weNqubomgommo obhalwe ngenhla.</i>	12 (3xAmahora ama-4)
ISAMBA	27,5

Ukwabiwa kwesikhathi ngesonto kungasetshenziswa kuphela esibalweni esiphansi esidingekayo sezifundo zesiTati-mende soHlelo LweziFundo lukaZwelonke (TAHFUZWE) njengoba kukhonjisiwe ngenhla, akumele kusetshenziswe kunoma yiziphi izifundo ezengeziwe ohlwini lwenani lezifundo ezivunyelwe. Uma umfundi efisa ukwengeza ezinye izifundo, isikhathi kumele sandiswe ukwenelisa lezo zifundo..

ISIGABA SESI – 2: INCAZELO, IZINHLOSO, IMAKHONO NOKUQUKETHWE

2.1 ISINGENISO

Kulengxene yebibili, imfundo yezibalo kumaBanga aphansi kwisitatimende senqubomgomo yohlelo lwezifundo lukazwelonekuzi luzonika othisha incazeloyezibalo, imiphumela eqondile namakhono aqondile, igxile ezingxenyenizokuqukethwe, isisindo sezingxene zokuqukethwe ezibalweni, izinsiza kufundisa ezinconyiwe kwizifundo zamaBanga aphansi ezibalweni, inqubomgomo enconyiwe ukwelekelela izingane ezinezinkinga ekufundeni izibalo, izibalo zekhanda kanye nokukhulisa amakhono okufundisa izibalo eBangeni – R.

2.2 ZIYINI IZIBALO

Izibalo ulimi olusebenzisa uphawu nezimpawu ukuchaza uphawu olumele inombolo, okusazibalomdwebo nokukhombisa ubudlelwano ngegrafu. Kuwumsebenzi lapho abantu bebuka, bebeka okumele kanye nokuphenya amaphethini nobudlelwano obuphusile okwenze ka ngokwenza enhlalweni yabo naphakathi kwezinto eziphathelene nezibalo. Igqugquzelaukusebenza ngengqondo okuthuthukisa ukucabanga ngokuhlelekile nangokujulile, ngokucophelelekile nokuxazulula izinkinga ezinomthelela ekuthatheni izinqumo ezifanele.

2.3 IMIPHUMELA EQONDILE

Ukufunda nokufundiswa kwezibalo, kuhlose ukuthuthukisa umfundi kulokhu okulandelayo:

- ukuqaphela ngobumqoka bokuthi busebenza kanjani ubudlelwano bezibalo ngokwenhlalo, ngokwemvelo, ngokwamasiko nangokomnotho.
- ukuzethembanokukwazi ukubhekana nezimo ezahlukene zezibalo ngaphandle kokungabaza nokwesaba ukwenza izibalo.
- uthando nentshisakalo yezibalo.
- ukuncoma ubuhle bezibalo.
- ukubona ukuthi izibalo ziwubuchwepheshe bomsebenzi wabantu
- ukuba nomcabango ojulile wokuqonda izibalo; kanye
- nokuthola ulwazi namakhono aqondile adingekayo:
 - ukusetshenziswa kwezibalo ngokwenza, ngokwenhlalo nezinkinga zezibalo;
 - ukufundiswa kwesifundo ezincike ezibalweni (isib.ezinye izifundo); kanye
 - nokuqhube ulwazi lwezibalo.

2.4 AMAKHONO AQONDILE

Ukuthuthukisa amakhono adingekayo ezibalo, umfundi kufanele:

- ukuthuthukisa ulwazi olufanele lokusebenzisa ulimi lwezibalo;
- ukuthuthukisa ulimi lwezibalo nolwazi lwezinombolo, namakhono okubala nokusebenzisa izinombolo;
- afunde ukulalela, ukuxhumana, ukucaBanga ngokuhlelekile, kanye nokusebenzisa ulwazi lwezibalo alufundile
- afunde ukuphenya, ukuhlaziya, ukubeka okumele ulwazi nokulihumusha
- afunde ukubuza nokuxazulula izinkinga zezibalo; kanye
- nokwakha ngokuqaphela ukubaluleka kwezibalo ezimweni zempilweni nasekukhuleni komfundi.

2.5 IZINGXENYE ZOLWAZI OKUGXILWE KULO

Izibalo emaBangeni aphansi zinezingxenye ezinhlanu. Ingxenye ngayinye ilekelela ekutholeni amakhono athile. Ithebulu elilandelayo likhombisa okuqukethwe yizingxenye ngokuvulelekile nezhikhethekile emaBangeni aphansi.

Ithebulu 2.1 Izibalo zamaBanga aphansi nolwazi okugxilwe kulo

ULWAZI LWEZIBALO		
Ingxenye Yolwazi	Ulwazi Oluvulelekile	Ulwazi Olukhethekile EmaBangeni Aphansi
Izinombolo, izimpawu kanye nobudlelwano bazo	<p>Ukuthuthukisa ulwazi lwezinombolo olufaka:</p> <ul style="list-style-type: none"> • incazeloyezinhlobo ezahlukene zezinombolo; • ubudlelwano phakathi kwezinhlobo ezahlukene zezinombolo; • ubudlelwano bobungako bazo ezahlukene; • ukubekwa okumele izinombolo ezinhlobonhlobo ngezindlela ezahlukene; kanye • nomphumela wokusebenza ngezinombolo 	<p>Uhla lwezinombolo okufanele luthuthukiswe kuyofika ekupheleni kweBanga lesi 3 lufaka izinombolo eziphelele kuze kufinyele e 1000 kanye namaqhezu ajwayelekile. KumaBanga aphansi ukufundwa kolwazi lwezinombolo luhathelene nezinsiza kufunda eziphathekayo ukuze bakwazi ukubala, bahlukanise, bahlanganise, babale ngokweqa izinombolo ngezindlela ezahlukene, baxazulule izinkinga zezibalo (zamagama), bese bekwazi ukwakha nokuhlakaza izinombolo</p> <ul style="list-style-type: none"> • Ukubala kusiza abafundi ukuba bathuthukise ulwazi lwezinombolo, izibalo zekhanda, ukuqagela, amakhono okubala nokwazi ukubona amaphethini. • Ukuthuthuka kolwazi lwezinombolo lusiza abafundi ukuba bazi izakhiwo zezinombolo kanye namasu angabasiza ukuthuthukisa ukubala kalula. • Ukukwazi ukuxazulula izinkinga kusiza abafundi ukukwazi ukuxoxa nokubhala imicabango yabo besebenzisa imidwebo nezimpawu. • Abafundi bakhula ekuqonden indlela yokusebenzisa izinombolo behlanganisa, besusa, behlukanisa nokuphindaphinda. • Abafundi bathuthukisa ulwazi ngamaqhezu ukuxazulula izinkinga zezibalo besebenzisa ukucazelana izinto eziphathekayo nokusebenzisa imidwebo. Izinkinga zezibalo abazenzayo aziveze imiphumela enezinombolo eziphelele kanye nezinsalela noma amaqhezu. Ukucazelana akumele kufake kuphela inani lamaqoqo kodwa kubhekwe ukuthi kungaki eqoqweni ngalinye. Kulesisigaba abafundi akufanele bafunde noma babbale izimpawu zamaqhezu.

IZIBALO IBANGA R

ULWAZI LWEZIBALO		
INGXENYE YOLWAZI	ULWAZI OLUVULELEKILE	ULWAZI OLUKHETHEKILE EMABANGENI APHANSI
Amaphethini, ukuxhumana kanye ne-aljebhra	<p>I-aljebhra ulimi lokuphenya nokuxhumana ngokwezibalo olungabuye lusetshenziswe ekufundweni kwemisebenzi kanye nobudlelwano phakathi kwezingxenyanzezibalo. Umgogodla wolwazi lwalengxenye yezibalo udinga ukuba umfundia kwazi ukusebenzisa amakhono ngendlela efanele ye-aljebhra. Iphinde ibheke:</p> <ul style="list-style-type: none"> • ukuchaza amaphethini nobudlelwane ngokusebenzisa izimpawu zokuchaza, amagrafu namathebula; kanye • nokukhomba nokuhlaziya okuvamile nokushintsha kwamaphethini, nobudlelwano obusiza abafundi ukuthi baqagele babuye baxazulule izinkinga zezibalo. 	<p>KuleliBanga abafundi basebenza ngakho kokubili:</p> <ul style="list-style-type: none"> • amaphethini ezinombolo (isib.ukubala weqa inombolo); kanye • nokusazibalo mdwebo (isib.izithombe) <p>Abaundi kumele basebenzise izinto eziphathetkayo, imdwebo kanye nezimpawu ukukopisha, ukwandisa, ukuchaza nokwakha amaphethini.</p> <p>Ukukopisha iphethini kusiza abafundi ukuba babone ukuthi iphethini yakheke kanjani.</p> <p>Ukuchaza iphethini kusiza abafundi ukuthuthukisa amakhono olimi.</p> <p>Ukugxila ekulandelaneni kwephethini kusiza ekuthuthukiseni amakhono okucabanga nge-aljebhra.</p> <p>Amaphethini ezinombolo asiza ekuthuthukiseni ulwazi lwezinombolo, nokwakheka komqondo wezinombolo ukusebenza kanye nobudlelwano bazo.</p> <p>Okusazibalomdwebo kuhlanganisa imigqa, izimo, nezinto, kanye namaphethini akhona ezweni.</p> <p>Kulokhu okusazibalo mdwebo abafundi basebenzisa ulwazi lwabo lwezindawo nesimo.</p>
Indawo nesimo (ijiyometri)	<p>Ukufunda ngendawo nesimo kuthuthukisa ukuqonda nokuncoma amaphethini, ukucacisa, ukuphumelela nobuhle bendalo namasiko. Kugxila kulokhu:</p> <ul style="list-style-type: none"> • Izakhiwo nobudlelwano bazo ; • Isimo, izikhundla kanye • Nezinguuko zezimo ezinhlangothimbili nezinto ezinhlangothintathu 	<p>KuleliBanga abafundi bagxila kwizinto ezinhlangothintathu (3-D), izimo ezinhlangothimbili (2-D), isikhundla nezinkomba.</p> <ul style="list-style-type: none"> • Abafundi bahliola izinto ezinhlangothintathu nezimo ezinhlangothimbili ngokuhlela, nokuhlukanisa ngamaqoqo, ukuchaza nokuzisho ngamagama. • Abafundi badweba izimo bakhe ngezinto. • Abafundi babona babuye bachaze izimo nezinto ezisezindaweni zabo ezifana nezinto nezimo ezisebenza ezibalweni. • Abafundi bachaza isikhundla sezinto, ezabo, nezabanye besebenzisa amagama afanele. • Abafundi balandela babuye banike izinkomba.
Isilinganiso	<p>Isilinganiso kugxile ekukhetheni nasekusebenziseni amayunithi ngendlela efanele, izinsizakukala kanye namaformula ukunika inani lobunjalo bezehlakalo, izimo, izinto kanye nendawo. Kuhambelana nciamashi nobuciko, nobuchwepeshe, nomnotho wokuqonda komfundi ngokwezinga lakhe. Lokhu kumsiza ukuba:</p> <ul style="list-style-type: none"> • aqagele ngokuyikho, kanye • nokukwazi ukuqikelela isilinganiso ngokuyikho nokuthola imiphumela eyiyo. 	<p>KulamaBanga ulwazi lwabafundi lokulinganisa luthuthukiswa ngokusebenzisa izinto eziphathetkayo nezimo, befunda izakhiwo zobude, zomthamo, zesisindo, zobungako bendawo kanye nesikhathi.</p> <ul style="list-style-type: none"> • Abafundi balinganisa izakhiwo zezimo, nezinto besebenzisa amayunithi angalinganisiwe njengezandla, amagxathu, izitsha njil. • Abafundi baqhathanisa izinto besebenzisa amagama okuqhathanisa njengokuthi kude kuna/kufishane kuna, kuyasinda kuna kulula kuna njil. • Abafundi bethulwa kumayunithi ahleliwe njengama gramu, khilogramu; ilitha, imililitha; imitha, isentimitha. <p>Imisebenzi ephathalene nesikhathi kufanele ihleliwe ngokwazi ukuthi abafundi banalo ulwazi ngokudlula kwesikhathi ngaphambi kokuba bafunde ngesikhathi.</p>

ULWAZI LWEZIBALO		
INGXENYE YOLWAZI	ULWAZI OLUVULELEKILE	ULWAZI OLUKHETHEKILE EMABANGENI APHANSI
Ukuqokelelwa kolwazi lwezibalo	<p>Ngesifundo sokuqokelelwa kolwazi, umfundu uthuthukisa amakhono oku:</p> <ul style="list-style-type: none"> • qoqa • hlela • khangisa; • ukuhlaziya nokuhumusha ulwazi alunikiwe. 	<p>Okugxilwa kukho uma kufundisa, kufundwa ngokuqokelelwa kolwazi emaBangeni aphansi kusekuhlelweni kwezinto nolwazi ngezindlela ezahlukene kube kuncike ezimpawini ezahlukene zezinto noma ulwazi.</p> <ul style="list-style-type: none"> • Kulindeleke ukuthi abafundi bahumushe baphinde bakhe igrafu yezithombe nebar grafu ngokukodwa nokukodwa okuhambisanayo olwazini olunikiye.

2.6 ISISINDO SEZINGXENYE ZOLWAZI

Isisindo sezingxenye zolwazi lwezibalo kunezhinloso ezimbili: eyokuqala isisindo seluleka ngobungako besikhathi esidingekayo ukufundisa ulwazi engxenyeni ngayinye ngokwanele; eyesibili isisindo seluleka ngokusabalalisa ulwazi ekuhlolweni. Isisindo sezingxenye zolwazi siyehlukahlukana ngokwamaBanga emaBangeni aphansi.

Ithebula 2.2 isisindo sezingxenye zolwazi emaBangeni aphansi

ISISINDO SEZINGXENYE ZOLWAZI			
Ingxenye yokuqukethwe	IBanga 1	IBanga 2	IBanga 3
Izinombolo, izimpawu kanye nobudlelwano bazo*	65%	60%	58%
Amaphethini, ukuxhumana kanye ne-aljebhra	10%	10%	10%
Indawo nesimo (Ijiyometri)	11%	13%	13%
Isilinganiso	9%	12%	14%
Ukuqokelelwa kolwazi lwezibalo	5%	5%	5%
	100%	100%	100%

* Ebangeni R-3, kusemqoka ukuthi izinombolo, ukusebenza kanye nobudlelwano bazo iyona esemqoka ohlelweni lwezibalo. Abafundi kufanele bakwazi ukusebenzisa izinombolo ngokukhululekile lapho sebeqede iBanga lesithathu. Inhloso ukuba abafundi bakwazi ukusebenzisa izinombolo ngokukhululeka nangokuzethemba. Ngalesizathu isikhathi sokufundisa izinombolo, ukusebenza kanye nobudlelwano bazo sesengeziwe. Umsebenzi omningi wamaphethini kufanele ubheke kakhulu ekwenzeni amaphethini ezinombolo ukuhlanganisa ulwazi lwabafundi lokusebenza ngezinombolo ngokuquhubekayo.

2.7 IZIBALO EMABANGENI APHANSI

Izibalo emaBangeni aphansi ziqinisekisa ukuxhumana kolwazi lwezibalo ebangi – R, empilweni ngaphandle kwesikole nasemaBangeni aphakeme emfundo. Abafundi emaBangeni aphansi kumele bakhonjiswe ulwazi lwezibalo oluzobanika amathuba okwenza, ukukhuluma, nokubhala imcabango yabo.

Isikhathi esisetshenziswa ekufundiseni izibalo yisona esiveza umphumela wokuthuthuka olwazini nasemakhonweni ezibalo. Imisebenzi enikwa abafundi kumele kube ezobakhulisa olwazini lwezibalo njengoba kubekiwe kunqubomgomu hayi umsebenzi nje.

2.7.1 Imigomo ephakanyisiwe yokuphatha ikilasi

Sonke isikhathi esibekelwe ukufundisa izibalo ngelanga kufanele sithathwe njengesifundo esisodwa. Ngesikhathi sokufundwa kwezibalo kufanele kwenzeke lokhu okulandelayo:

- **Umsebenzi wekilasi**
 - Izibalo zekhanda
 - ukuhlanganisa ubukeze ulwazi olufundiwe
 - ukuphatha kwekilasi (ukwabiwa komsebenzi ozimele,njll)
- **Ukufundisa abafundi ngamaqembu**
 - Ukubala
 - Ukuthuthukisa ulwazi lwezinombolo (ngokukhuluma nangokwenza)
 - Ukuxazulula izinkinga zezibalo (ngokukhuluma nangokwenza)
 - Umsebenzi wokubhala
 - Ukuthuthukisa amasu okubala (ngokukhuluma nangokwenza)
 - Amaphethini
 - Isimo neNdawo
 - Isilinganiso
 - ukuqokelelwa kolwazi lwezibalo
- **Umsebenzi abawenza ngokuzimela**

Abafundi bazokwenza bese behlanganisa babukeze ulwazi lwezibalo abalufunde beyikilasi nasemaqenjini.

Umsebenzi wekilasi: lapho kugxilwa khona kakhulu ezibalweni zekhanda, ukuhlanganiswa kolwazi nokwabiwa kwemisebenzi ezimele okungenani imizuzu engama 20 ngosuku ekuqaleni kwesifundo sezibalo.kulesikhathi uthisha uzophinda asebenze nekilasi lonke ukubona abhale (uma sekufanele)igama losuku,usuku, abafundi abakhona nabangekho, nesimo sezulu.izibalo zekhanda zifaka ukubala ngokushesha njengoku “inombolo engemuva/ngaphambili kwesi 8 ingu; 2 ngaphezulu/ngaphansi kwesi 8 ngu; 4+2; 5+2; 6+2” ngalesikhathi uthisha angahlanganisa ulwazi olubukhunyana.Futhi kubalulekile ukuthi uthisha anike ikilasi umsebenzi ojwayelekille wekilasi kanye nalowo msebenzi wokuzimela abazowenza ngokwabo ngesikhathi yena eqhubeka neqembu agxile kulo.

*Izifundo ezigxile emaqenjini:*zisebenza kahle kakhulu uma uthisha ethatha abafundi abayiqembu elincane (aBangaba 8 kuya e 12)abasezingeni elifanayo lokusebenza basebenze naye eceleni ngesikhathi amanye amaqembu esebenza ngokuzimela umsebenzi osufundiwe.kuleliqembu elinothisha benza umsebenzi wokukhuluma nokwenza emisebenzini efana nokubala, ukuqagela, ukuthuthukisa ulwazi lwezinombolo nokuxazulula izinkinga, kanye nemisebenzi ethinta amaphethini, isimo nendawo, isilinganiso kanye nokuqokelelwa kolwazi lwezibalo, okufanele kube kulungiselelwe ngokucophelela.

Ukuze ugcizelele ukufunda, umsebenzi wokubhala (incwadi yokusebenza, iphepha lokusebenzela, amakhadi okusebenza njll) kufanele ube yingxene yomsebenzi weqembu uma kungenzeka. Abafundi kumele babe nezinto zokubhala (izincwadi zokusebenza ekilasini, njll)zokwenza imisebenzi yokuxazulula izinkinga. Ngesikhathi sokusebenza ngamaqembu kumele abafundi basebenzisane bagquqquzelwe ukuba “benze,

bakhulume, batshengise bese bebhala ulwazi nemicaBanga yabo yezibalo”.

Othisha kufanele Bangababukeli phansi abafundi abathatha kancane;kufanele nabo banikwe imisebenzi ezobathuthukisa olwazini Iwabo.Kulula ukuqondanisa izinga lomsebenzi othe thuthu nabafundi uma iqembu uthisha asebenza nalo lisezingeni elifanayo lokusebenza.Kodwa-ke,iqembu elixube amazinga ahlukene okusaebenza lingasebenza kahle uma lenza imisebenzi efana nokwakha, isilinganiso ukwakha amaphethini noma imisebenzi yokuhlela, noma imidlalo.

Imisebenzi yomfundu ngamunye: Ngesikhathi uthisha esebezena neqembu agxile kulo,abanye abafundi bazokwenza imisebenzi eminingi eyahlukene yezibalo egcizelela ihlanganise ulwazi namakhono asefundie ngesikhathi sokufunda emaqenjini nothisha.Lemisebenzi yokuzimela kufanele ihlelwe ngokwehlukana kwamazinga abafundi abakuwo.Imisebenzi yokuzimela ingafaka:

- Incwadi yokusebenzela;
- Amaphepha/amakhadi okusebenzela asemazingeni ahlukene uma bebala, besebezena ngezinombolo, bexazulula izinkinga zezibalo ezilula ezisesimweni esejwayelekile(izinkinga zezeibalo zamagama), njll;
- Imidlalo yezibalo njenge Ludo,amadomino, amaphazili;kanye
- Imisebenzi efaka ukwakha, ukuhlela, ukwakha amaphethini noma isilinganiso.

Isikhathi sezibalo kufanele silekelele abafundi abanezinkinga ekufundeni kwabo,imisebenzi yokwandisa ulwazi kulabo abafunda ngokushesha, imisebenzi yokuhlola,njll.

Imisebenzi yezifundo yokuzimela neyamaqembu kufanele ibhekwe (ngokwenziwayo, nokuxoxwayo),imakwe bese ibhekwa uthisha njengemsebenzi yokuhlola ehleliwe nengahleliwe.

Ukubhekisia izimpendulo zabafundi (ngokukhuluma, ngokuxoxa, ngokwenza, ngokubhala) ezimweni zokufunda nokufundisa kusiza uthisha ukuba enze ukuhlola okuquhubekayo,ukubhekela inqubekela phambili yabafundi nokuhlela nokulekelela okufanele abafundi abanezinkinga ekufundeni kwabo.

2.7.2 Abafundi abanezingqinamba ekufundeni izibalo

Kusemqoka ukuthi abafundi abanezingqinamba banikwe umsebenzi yokwenza befunda.Izibonelo zokwenza usebenzisa izinto eziphathekayo nemisebenzi yokwenza kufanele yenziwe isikhathi esithe xaxa kunabanye abafundi, uma siqhubekela emsebenzini ofuna ukucatshangwa ungaholela ekudidekeni nasekudikibaleni. La bafundi Bangadinga ukunikezwa isikhathi esingaphezulu soku;

- qedela imisebenzi yokuhlola;
- ukuthola amakhono okucaBanga (amaqhingga akhe)

Inani lemisebenzi okufanele iqedwe kufanele ihambisane nezinga lokufunda lomfundu ngaphandle kokwehlisa izinga lolwazi namakhono.

2.7.3 Izibalo zekhanda

Izibalo zekhanda zinendima enku kwinqubomgomo yezibalo. Amabhondi ezinombolo namathebula okuphindaphinda okufanele abafundi bawazi noma bawakhumbule ngokushesha abhalwe ohlwini IweBanga neBanga. Ngapezulu kwalokho , izibalo zekhala zisetshenziswa kakhulu ukuthola uhla Iwezinimbolo oluphezulu ngokusebenzisa ukubalweqe izinombolo nokwenza imisebenzi efana “nokwehla wenyuka isitbhisi sezinombolo”,isib. Uthisha weBanga le 3 angabuza imibuzo exhumene “Qala ngo 796. Yenza kube kuningi ngokuyi 7.Yebo, kuwu 803. Yenza lokho kuke nga-

IZIBALO IBANGA R

phansi ngoku 5. Yebo, kuwu 798. Yenza lokho kube ngaphezulu ngoku 10...ngaphezulu ngoku 2....ngokungaphezu-lu noku 90... ngokungaphansi ngiku 5..." njll. Lemisebenzi isiza abafundi ukwakha umugqa wezinombolo sakuhuba.

Ngakhoke izibalo zekhanda zingena kakhulu kukona kokubili ukubala nokuthuthuka kolwazi Iwezinombolo ngokux-humana ngezinombolo namaphethini, kungenzeka futhi ngokulinganisa nemisebenzi yokuqokelewa kolwazi. Uma wenza izibalo zekhanda , uthisha akufanale aphaqe abafundi ukwenza izibalo zekhanda abangeke bakwazi ukuzik-hona –izinto zokubhala noma zokubala kufanele zihlale zikhona lezo abafundi aBangazidinga.

2.8 IBANGA R

Indlela yokufunda izibalo eBangeni – R kufanele incike emigomeni yokuhlanganisa konke abakwenzayo nasekufun-den i sakudlala. Uthisha kufanele akhuthale, njengomxhumanisi kunokuba umfundisi. Umxhumanisi wenza amathuba amanangi okufunda benganakile okwenzeka ngesikhathi benza imisebenzi eminingi yobuntwana njengokudlala ngokukhululeka ekhoneni labo lamaphupo noma esizindeni sokwakha amabholoki, imidlalo yesihlabathi namanzi elawulwa uthisha egxile olwazini Iwezibalo njengokubala, ukuthuthukiswa kolwazi Iwezinombolo, indawo nesimo, amaphethini, isikhathi nezinye imisebenzi ezingenelayo yezibalo. Umbala awusilo ulwazi Iwezibalo ngokuzimele, kodwa lungasetshenziswa ekuthuthukisweni kokukhuliswa kolwazi Iwezibalo emsebenzise efana nokuhlele, ukwen-za amaqqoqo nokuhlela ngendlela ethile.

Konke okufundwa eBangeni – R okufaka impilo yasekilasini nokufunda nokufundisa, kufanele kubasize, kubakhu-lige kwizingxene zonke zempilo. Ukuthuthukiswa kuyingxene kokwenzeka ezibalweni okufaka nokuthuthuka ngokwengqondo (ukuxazulula izinkinga, ukucaBanga ngendlela ehlelekile), ukuthuthukiswa kolimi (ulimi Iwezibalo) imicabango nemizwa kanye nokuthuthuka ngokwenhlalo. Konke lokhu kungathuthukiswa, ngezindaba, amaculo, imilolozelo, imidlalo Yeminwe neyamanzi, izinto zokudlala ezifundisayo okufaka kuzo imidlalo yamabhodi, yokwakha nokubona (isisindo, isikhathi, umthamo, isilinganiso, njll), imidlalo yemicabango, imidlalo yangaphandle" nemidlalo yasenkundleni". Izinhlobo eziningi zemidlalo zingafaka izingxene zezibalo, isibonelo: ukukala ngesikhathi sokukha-thi sokupheka noma ukubala ngesikhathi sokuthenga.

Ngamanye amagama ukufundwa kwezibalo zokuqala nolwazi oluhambisana nazo njengokufundisa okufanele, ku-hambisana nemigomo elanselayo lapho khona abantwana bedlula kuwona womathathu amazinga okufunda, lawa:

- Ukusetshenziswa komzimba (ukufunda ulwazi ngomzimba nemizwa);
- ukusetshenziswa kwezinsiza kufunda eziphathekayo (3-D, ukusetshenziswa kwezinhlobo ezahlukene zezinto njengamabholoki, izivalo zamabholdele, izinti zokubala nezinye izinto ezibazungezile); kanye
- Ukusetshensizwa komfanekiso osephepheni (imidwebo njengezithombe, amakhadi okuqondanisa njll)

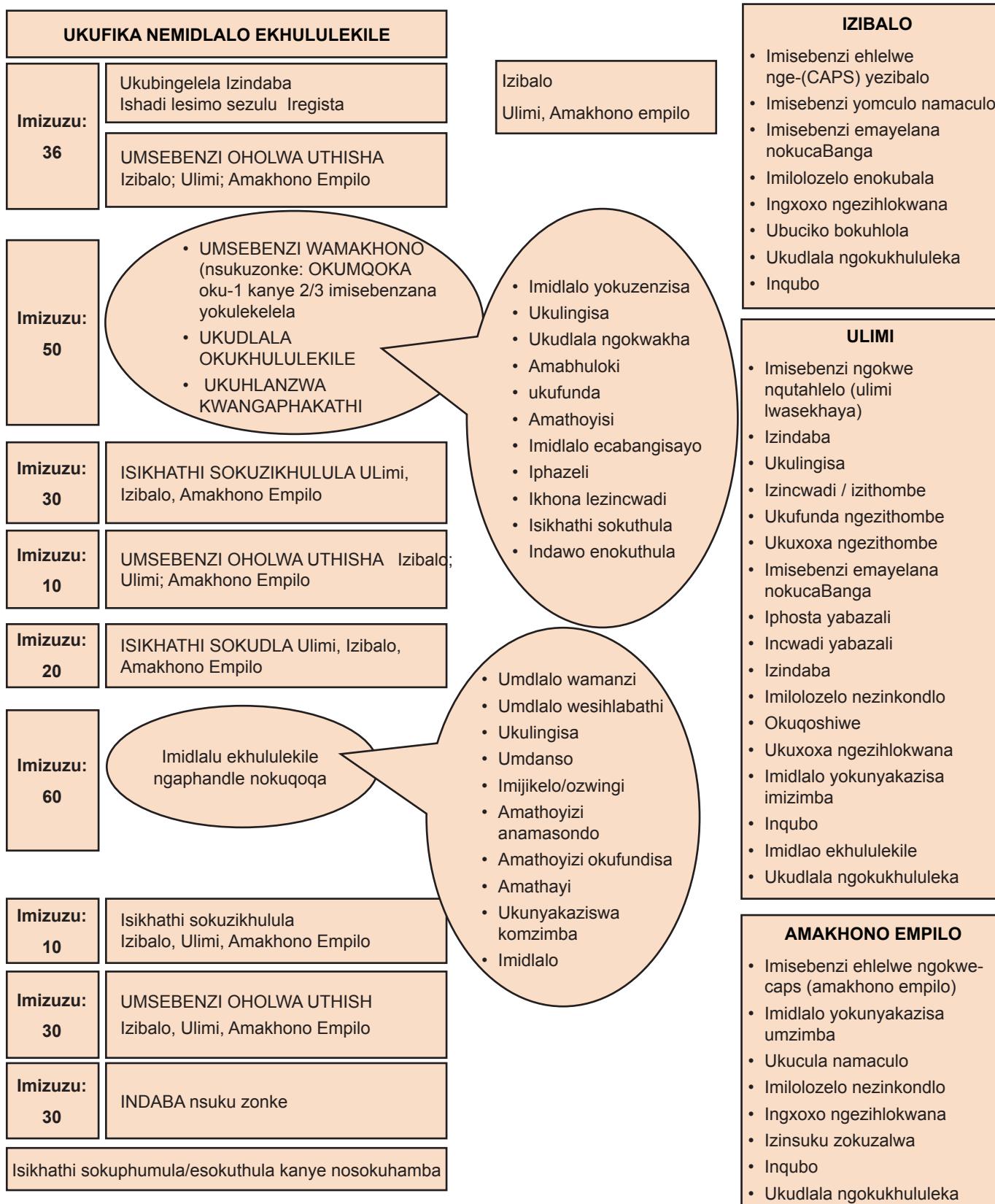
Onyakeni weBanga R uhlelo Iwesikhathi lubizwa ngokuthi uhlelo losuku (bheka umbhalo 1)Iwakhiwe izinhlaka ez-intathu ezibizwa:

- Imisebenzi eholwa uthisha;
- Imisebenzi yansukuzonke;kanye
- Imisebenzi esungulwa abafundi noma imidlalo ekhululekile.

Ukucizelela kukona konke kufanele kube sekusebenziseni lezi zingxene zohlelo losuku ukuthuthukisa ukufunda

UMBHALO 1: UHLELO LWANSUKU ZONKE IBANGA R

(UKUSUKA ± 7:30 – 13:00)



IZIBALO IBANGA R

izibalo zokuqala ngokuthokozisayo nokwenzeka kungalindelekile esimweni esejwayelekile. Isibonelo: ukufundwa kwezibalo ezilawulwa uthisha ngesikhathi seringi. Amaringi amanangi anganikwa isikhathi sokugxila ezibalweni. Iringi yasekuseni ngesikhathi sokubingeleta nokubizwa kwamagama kuniyeza amathuba okudlala ngezinombolo, njengokubala. Amanye amaringi, njengerengi yezibalo, amaringi emicabango, eminyakazo, umculo nobuchwepheshes zingagxila ekunikezeni izibalo.

Imisebenzi yokuzenzela ingagcizelela izibalo, kusetshenzisa izimo ezsazibalo mdwebo ezifana njengezindilinga, nezikwele ukwenza ikholaji noma ukwakha iphethini yokufaka isithombe. Ishadi lesimo sezulu, ikhalenda neringi yezinsuku zokuzalwa nacho kunika amathuba okuvaza ulwazi lwezibalo. Ulwazi lukathisha nokuzinikela olungenyusa izinga lokufunda.

- *Okwenziwa njalo*, Lapho abafundi befunda ngokwenza, njengesikhathi sokudla, ukufika, ukugoduka/ukuya ekhaya, nokuya endlini encane, kunganikwa ukugxilwa ezibalweni. Abantwana abagqoke okubomvu, isibonelo, baya endlini encane kuqala (umbala nenombolo esho isikhundla), umntwana ngamunye uthola ipuleti nesinkwa (okukodwa nokukodwa okuqondanayo), UThandi angathanda isinkwa sesibili, uSipho akasithandi esesibili. Lokhu kulekelela ekuboneni nasekufundiseni, Ngamanye amazwi kuba umxhumanisi wokufunda.
- Ngesikhathi *sokudla ngokukhululekile* uthisha angathuthukisa ulwazi lwezibalo zokuqala ngokuhlela kahle indawo yokudlala ngokukhululekile. Ukudlala okukhululekile okupandle okunjengokugibela isitebhisi esenziwe ngezingodo kungathuthukisa ulwazi lolimi lwezibalo olufana nophezulu/phansi, ngenhla/ ngenzansi, ukushesha / nokuhamba kancane, njll. Umdlalo wamanzi nesihlabathi kungathuthukisa ukuqonda ulwazi njenge isisindo, umthamo nokumumethwe. Yonke lemisebenzi izothuthukisa amakhono okusebenza kwengqondo, okuholela ekutholeni ukufunda okuhlelekile kolimi nezibalo. Izibonelo zalamakhono:
 - ukuthuthukiswa kolwazi lokuqonda isikhundla sakhe nendawo isib. Ngemuva, ngaphambili, ngaphansi noma eceleleni kwento (lokhu kunga xhumana nesikhundla senombolo ezibalweni); kanye
 - ukuqonda izinkomba kanye nezinhlangothi (lokhu kungaxhumana nezinombolo nokwakheka kwezinhlamu, kanye nokufunda kusukela kwesokudla kuya kwesobunxele)

Ukwenza okuchazwe ngenhla kuchaza indlela yokusebenza kweBanga -R ekuxazululen izinginga ekucaBangani okuhlelekile, kanye nemfundo yobuzwe egxile ekubambisaneni nasekuxoxisaneni. Ngokusebenza izikhathi zokufundisa uthisha angaggugquzelab antwana ukubheka izinqumo abazenzayo nokuqagela okungase kwenzeke, isib. Uma bebuka isitsha samanzi okudlala asetshenziswe emdlalweni wamanzi singamumatha amanzi amningi ukunanoma isiphi esinye isitsha.

Ngokwenza izincomo ezilekelelayo nokumenza umntwana ukuba acabange ngezinye izindlela zokuxazulula izinginga, uthisha angaggugquzelab antwana ukuba bacabange kabanzi ngalento nokuthola izizathu ezifanele zezinquomo ezifanele. Ngalendlela akuzona kuphela izibalo ezithuthukayo kodwa ukuthuthuka komntwana ngokuphelele nezizinda ezisekele amaCAPS ziyasebenza.

Ukuhlola eBangeni – R kumele kungabi okuhlelekile nabafundi Bangakuzweli ukuhlola. Ngakho – ke akukho ukuhlola eBangeni – R. Umsebenzi ngamunye kufanele ulungiselelw kahle ukuze kuthuthukiswe amakhono.

Ukuhlola eBangeni – R kwenzeka ngenkathi uthisha ebabuka benza bese ebhala phansi akubonile ngokwenza komfundu, kumele akwenze ngokusebenza uhlu lwezinto azibhekayo. Ngokuqhubea konyaka uthisha uzokwakha isithombe esiphelele somntwana, esiveza lokho akwazi ukukwenza nangakwazi ukukwenza. Lokhu kunika ithuba lokuthi lokhu angakwazi ukukwenza kubhekisiswe nalokho akwazi ukukwenza kuthuthukiswe.

Ikilasi leBanga – R elihlelw ngendlela yokubheka phambili, elilandela imigomo yokufunda ngendlela engaguuki

"nenemigomo emile" kufanele ligwenywe, njengoba ingavumeli ukutholakala kolwazi lwezibalo emntwaneni we-Banga –R. IBanga –R akufanele libe ikilasi elibukeka njengeleBanga-1. Linezinto zalo ezehlukile ezincike ekutheni abantwana baleliBanga bazibona kanjani izinto emhlabeni wobuntwana bebebethola nolwazi, amakhono, nezim-fundiso ezizobavumela ukwenyusa amathuba atholakala eminyakeni yokufunda okuhlelekile.

2.9 IZINSIZAKUFUNDISA EZINCONYIWE KUMABANGA APHANSI EKILASINI LEZIBALO

- Izinto zokubala
- Idayisi elikhulu
- Ibhodi lezinombolo elikhulu
- Ishadi lobude
- Igridi enkulu tezinombolo esukela 1-100 nesuka ku 101-200 (amashadi-100)
- Imigqa yezinombolo ehlukene (ovundlile nosuka phezulu uya phansi)
- Amafuladi khadi
- Imali yokudlala-ewuhlweza nengamaphepha
- Ikhalenda yalowo nyaka
- Iwashi elikhulu lezinti lasodongeni
- Isilinganiso sokuzimelela
- Amabhuloki okwakha
- Ubumba lokudlala
- Izinhlobo ezahlukene zamabhokisi ezinezimo nobungako obungafani ezitholakala emakhaya
- Amabhodlela ayiplastiki anhlobonhlobo nezitsha zokuchaza nokuqhathanisa okumemethwe
- Izibonelo ezinhle zokuyindilinga (lbhola), iprizimu ewunxande (ibhokisi), ikhiyubhu, ikhoni, iphiramadi nesilinda.uthisha angazenzela lezinto ngokwakhe.
- Izikwele ezingamaplasitiki noma ezingamakhadibhodi, onxande abahlukene, izindilinga, onxantathu abahlukene abawubungakho obuhlukene
- Imidlalo yezibalo, isib uLudo, Izinyoka nezitebhisi, amaphazili, amadomino, aTangrams njll.
- Okudingeka ebangeni R no 1
 - Izindawo zemidlalo yamanzi nesihlabathi
 - Izinto zokugibela, ezokuzimelela, ezokujikela nezokweqa
 - Isitolo sokudlala esinezinto zokuthengwa ngemali yokudlala
 - Izinhlobo zemidlalo ehlukene njengokuthi 'yini esesikweleni?
 - Amabhuloki

ISIGABA SESI – 3: UKUCACISA OKUQUKETHWE NOKUQONDWE NGQO

3.1 ISINGENISO

Emfundweni yamazinga aphansi kunezingxene ezinhlanu zolwazi Iwezibalo:

- Izinombolo, izimpawu kanye nobudlelwano bazo
- Amaphethini, ukuxhumana kanye ne-Aljebhra
- Indawo nesimo (Ijiyometri)
- Isilinganiso
- Ukuqokelelwa kolwazi Iwezibalo

Ezibalweni ingxene ngayinye yolwazi yehlukaniswe ngezihlok , njenge ndawo nesimo emaBangeni aphansi esinye isihloko singe zimo ezinhlangothi mbili. Isihloko ngasinye siluveza kahle ulwazi namakhono. Ingxene yesi-3 kumaBanga aphansi kumaCAPS ezibalo iveza iphinde icacise ngolwazi oludingekayo.

3.2 OKUQUKETHWE OKUQONDWE NGQO OKUKHOMBISA INQUBEKELA PHAMBILI

Ithebula lolwazi oluqukethwe emaBangeni aphansi luhkombisa ngqo inqubekela phambili yolwazi namakhono kusuka eBangeni R kuya eBangeni 3. Ithebula leBanga likhombisa inqubekela phambili yolwazi namakhono kuwona omane amathemu onyaka.

Kwezinye izihloko ulwazi namakhono kuyafana kwamanye amaBanga amabili noma amathathu alandelanayo. Incazeloyolwazi inika inqubomgom emayelana nokuthi inqubekela phambili izohamba kanjani kulamaBanga. Incazeloyenemininingwane yolwazi kufanele ifundwe ngokuhlanganyela nencazelo yolwazi.

Ulwazi jikelele emaBangeni aphansi luhkombisa ingqubekela phambili yengxene yolwazi; izinombolo, ukusebenza kanye nobudlelwano bazo, amaphethini, imisebenzi kanye ne-aljebhra, indawo nesimo, isilinganiso, ukuqokelelwa kolwazi Iwezibalo kumaBanga aphansi kusetshenziswa lelithebula elilandelayo:

ULWAZI JIKELELE EMABANGENI APHANSI**1. ZINOMBOLU, IZIMPAWU KANYE NOBUDLELWANO****INQUBEKELAPHAMBILI KWIZINOMBOLU, UKUSEBENZA KANYE NOBUDLELWANO**

- Inqubelela phambili ebalelekile kwizinombolu, ukusebenza kanye nobudlelwanu yenzeka ngenzindela ezintathu:
 - Uhlelo lwezinombolu luyakhula
 - Ukwethulwa kwezinhlolo ezalhukahlukene zezinombolu
 - Ukusintsha kwamasu okubala

- Ngesikhathi uhlelo lokuthuthukisa izinombolu lukhula kuze kufinyelele ebangeni le – 3, kulinndelete ukuthi abafundi bathuthuke kangcono kumasu okubala.
- Izinkinga ezisesimwani esejwayelekile kumele zithathe uha lwezinombolo zeBanga kanye nokubala kwabafundi okusezingeni elifanele.

ULWAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
UKUTHUTHUKISWA KOLWAZI LWEZINOMBOLU: Ukubala kusetshenziswa izinombolo eziphele				
1.1 Bala izinto eziphathetekayo	Bala izinto eziphathetekayo Qagela bese ubala izinto okungenani ezingama – 200 ngokuyikho nsukuzonke. Gqugquzelu ukubala ngamaqoqo.	Bala izinto eziphathetekayo Qagela bese ubala izinto okungenani ezingama – 1000 ngokuyikho nsukuzonke. Gqugquzelu ukubala ngamaqoqo.	Bala izinto eziphathetekayo Qagela bese ubala izinto okungenani ezingama – 1000 ngokuyikho nsukuzonke. Gqugquzelu ukubala ngamaqoqo.	Bala izinto eziphathetekayo Qagela bese ubala izinto okungenani ezingama – 1000 ngokuyikho nsukuzonke. Gqugquzelu ukubala ngamaqoqo.
1.2 Bala uye phambili nasemuva	Bala uya phambili uye emuva ngakunye kusukela koku 1 – 10; Sebenzisa imilolozelo efaka izinombolu kanye namaculo	Bala uya phambili uye emuva ngakunye kusukela kunkoma iyiphi inombolo phakathi kuka 0 – 100; Bala uye phambili:	<ul style="list-style-type: none"> Bala uya phambili ubuye uye emuva:<ul style="list-style-type: none"> • Ngakunye kusukela kunoma iyiphi inombolo phakathi kuka 0-kuya e – 200 <ul style="list-style-type: none"> Bala ngama -10 phakathi kuka -0 kuya e – 100 Bala ngokuyisi – 5 phakathi kuka -0 kuya e – 100 Bala ngaku -2 phakathi kuka 0-kuya e – 100 	<ul style="list-style-type: none"> Bala uye phambili ubuye uye emuva:<ul style="list-style-type: none"> • Ngakunye kusukela kunoma iyiphi inombolo phakathi kuka 0-kuya e – 1000 <ul style="list-style-type: none"> Bala ngama – 10 kusukela kunoma iyiphi inombolo phakathi kuka -0 kuya e – 1000 Bala ngokuyisi – 5 kusukela kunoma iyiphi inombolo phakathi kuka – 0 kuya e – 1000 Bala ngaku – 2 kusukela kunoma iyiphi inombolo phakathi kuka 0-kuya e – 1000 Bala ngaku – 3 kusukela kunoma iyiphi inombolo phakathi kuka – 0 kuya e – 1000 Bala ngaku – 4 kusukela kunoma iyiphi inombolo phakathi kuka – 0 kuya e – 200 Bala ngama – 20, 25, 50, 100 kuze kufike okungenani e – 1000

ULWAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
UKUTHUTHUKISWA KOLWAZI LWEZINOMBOLO: Okumele izinombolo eziphelele				
1.3 Izimpawu namagama ezinombolo	Buka, ukhombe ubuye ufunde izinombolo <ul style="list-style-type: none"> Buka, ukhombe ubuye ufunde uphawu lwezinombolo kusukela koku – 1 kuya e – 10. Buka, ukhombe ubuye ufunde amagama ezinombolo kusukela koku – 1 kuya e – 10 	Buka, ukhombe ubuye ufunde izimpawu zezinombolo <ul style="list-style-type: none"> Buka, ukhombe ubuye ufunde uphawu lwezinombolo kusukela ku koku – 1 kuya e – 100. Bhala izimpawu zezinombolo kusuka ko -1 kuya ema - 20 Buka, ukhombe ubuye ufunde amagama ezinombolo kusukela koku – 1 kuya e – 10. Bhala amagama ezinombolo kusukela koku – 1 kuya e - 10 	Buka, ukhombe ubuye ufunde izinombol <ul style="list-style-type: none"> Buka, ukhombe ubuye ufunde uphawu lwezinombolo kusukela ku – 0 kuya e – 200. Bhala izimpawu zezinombolo kusuka ko -1 kuya ema – 200 Buka, ukhombe ubuye ufunde amagama ezinombolo kusukela ku – 0 kuya e – 100. Bhala amagama ezinombolo kusukela ku – 0 kuya e – 100 	Buka, ukhombe ubuye ufunde izinombolo <ul style="list-style-type: none"> Buka, ukhombe ubuye ufunde uphawu lwezinombolo kusukela ku – 0 kuya e – 1 000. Bhala izimpawu zezinombolo kusuka ko -1 kuya ema – 1 000 Buka, ukhombe ubuye ufunde amagama ezinombolo kusukela ku – 0 kuya e – 1 000. Bhala amagama ezinombolo kusukela ku – 0 kuya e – 1 000
UKUTHUTHUKISWA KOLWAZI LWEZINOMBOLO: Chaza, qhathanisa uphinde uhlele izinombolo eziphelele				
1.4 Chaza, qhathanisa bese uhlele izinombolo	Chaza, qhathanisa bese uhlela izinto iqoqo lezinto kuyofika e-10. <ul style="list-style-type: none"> Chaza izinombolo eziphelele kuya e-10. 	Chaza, qhathanisa bese uhlela izinto kuyofika e-20. <ul style="list-style-type: none"> Chaza uqhathanisse iqoqo lezinto ngokuningi, okuncane, okulinganayo Chaza uhlele iqoqo lezinto kusukela kokuningi kuya kokuncane, nokuncane kuya kokuningi Qhathanisa lezinto ezimbili ozinikiwe ngobukhulu, ngobuncane, okuncane kunokunye, okungaphezulu kunokunye, okungaphansi kunokunye, okulinganayo, okuningi kakhulu, okuncane kakhulu, okumbalwa kuze kufike e-10. Hlela izinto eziqoqiwe ezingaphezu kokubili kusuka kokuncane kakhulu kuya kokukhulu kakhulu kuze kufike e-10. 		

ULWAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
1.4 Chaza, qhathanisa ubuye uhlele izinombolo	Chaza, qhathanisa bese uhlela izinombolo kuyofika e-20.	<p>Chaza, uqhatanise ubuye uhlele izinombolo kuya ema – 99</p> <ul style="list-style-type: none"> Chaza bese uqhatanisa izinombolo eziphelele ngokubancane ukunenye, enkulu ukunenye kanye neningi ukunenye, nengaphansi ukunenye, nelinganayo Chaza bese uhlela izinombolo kusukela kwencane kakhulu makwenkulu kwenkulu kakhulu makwenkulu kakhulu kuyofika kwencane kakhulu 	<p>Chaza, uqhatanise ubuye uhlele izinombolo kuya ema – 999</p> <ul style="list-style-type: none"> Chaza bese uqhatanisa izinombolo eziphelele kuze ufile ema – 999 usebenzisa okuncane kunokunye, okukhulu kunokunye, okungaphezulu kunokunye, okungaphansi kunokunye kanye nokulinganayo Chaza bese uhlela izinombolo eziphelele kuyofika ema-99 kusukela kwencane kakhulu kuyofika kwenkulu kakhulu makwenkulu kakhulu kuyofika kwencane kakhulu 	<p>Chaza, uqhatanise ubuye uhlele izinombolo kuya ema – 999</p> <ul style="list-style-type: none"> Chaza bese uqhatanisa izinombolo eziphelele kuze ufile ema – 999 usebenzisa okuncane kunokunye, okukhulu kunokunye, okungaphezulu kunokunye, okungaphansi kunokunye kanye nokulinganayo Chaza bese uhlela izinombolo eziphelele kuyofika ema-99 kusukela kwencane kakhulu kuyofika kwenkulu kakhulu makwenkulu kakhulu kuyofika kwencane kakhulu
		Sebenzisa izinombolo ezisho isikhundla ukukhombisa ukuhleleka, indawo noma isikhundla.	<p>Sebenzisa izinombolo ezisho isikhundla ukukhombisa ukuhleleka, indawo noma isikhundla.</p> <ul style="list-style-type: none"> Beka izintu emuggeni ngokulandelana kusukela kweyokuqala kuya kweyamashumi amabili noma eyokuqala kuya kweyokugina. Isib. Okokuqala, okwesibili, okwesithathu ... okweshumi 	<p>Sebenzisa izinombolo ezisho isikhundla ukukhombisa ukuhleleka, indawo noma isikhundla.</p> <ul style="list-style-type: none"> Sebenzisa, ufunde uphinde ubhale izinombolo ezimelle isikhundla Beka izintu emuggeni ngokulandelana kusukela kweyokuqala kuya kweyamashumi amabili noma eyokuqala kuya kweyokugina. Isib. Okokuqala, okwesibili, okwesithathu ... okwamashumi amabili
		Sebenzisa izinombolo ezisho isikhundla ukukhombisa ukuhleleka, indawo noma isikhundla.	<p>Sebenzisa izinombolo ezisho isikhundla ukukhombisa ukuhleleka, indawo noma isikhundla.</p> <ul style="list-style-type: none"> Thuthukusa ukugaphela izinombolo ezisho isikhundla isib. Okokuqala, okwesibili, okwesithathu kuyofika kwestithupha nokokugcina 	<p>Qala ukubona ubungako benani benombolo okungenani izinombolo ezingambili kufinyelela ema – 99</p> <ul style="list-style-type: none"> Hlakaza izinombolo ezihamba ezingambili kubalwa ngamashumi nangokukodwa /imivo. Ukuhomba ubuye usho ubungako benombolo ngayinye.
		UKUTHUTHUKISWA KOLWAZI LWEZINOMBOLO: Ubungako benani lenombolo	<p>Qala ukubona ubungako benani benombolo okungenani izinombolo ezingambili kufinyelela ema – 99</p> <ul style="list-style-type: none"> Hlakaza izinombolo ezihamba ezingambili kubalwa ngamashumi nangokukodwa /imivo. 	<p>Qala ukubona ubungako benani benombolo okungenani izinombolo ezingambili kufinyelela ema – 99</p> <ul style="list-style-type: none"> Hlakaza izinombolo ezihamba ezingambili kufinyelela ema – 99 kubalwa ngamashumi nangokukodwa /imivo. Ukuhomba ubuye usho ubungako benombolo ngayinye.
	1.5 Ubungako benani lenombolo			

ULWAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
XAZULULA IZINKINGA EZISESIMWENI ESEJWAYELEKILE				
1.6 Amasu okuxazulua izinkinga	Sebenzisa lamasu kuze kufike e – 10: • Izinsiza kufundisa eziphathetekayo, Isib. Izinto zokubala • Isitebhisi sezinhombolo esiphathetekayo	Sebenzisa lamasu alandelayo ukuxazulula izinkinga nokuchaza izixazululo zezinkinga: • Izinsiza kufundisa eziphathetekayo, isib. (izinto zokubala) Amatshe, ummbila, ubhontshisi njil. • Izithombe ukuze kudwetshwe izibalo zengxoxo	Sebenzisa lamasu alandelayo ukuxazulula izinkinga nokuchaza izixazululo zezinkinga: • Imidwebo noma izinsiza kufundisa eziphathetekayo, isib. (izinto zokubala) amatshe, ummbila, ubhontshisi • Ukwakha nokuhlakaza izinombolo • Ukpjhinda kabili nokuhlukanisa kabili ngokulingana • Umugqa wezinombolo • Sondezelaa emashumini	Sebenzisa lamasu alandelayo ukuxazulula izinkinga nokuchaza izixazululo zezinkinga: • Ukwakha nokuhlakaza izinombolo • Ukpjhinda kabili nokuhlukanisa kabili ngokulingana • Umugqa wezinombolo • Sondezelaa emashumini
1.7 Ukuhlanganisa nokususa	Xazulula izibalo zamagama (izibalo zengxoxo) ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa nokususa esinezimpendulo ezifinyelela e – 10.	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa nokususa esinezimpendulo ezifinyelela ema – 20.	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa nokususa esinezimpendulo ezifinyelela ema – 99	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa nokususa esinezimpendulo ezifinyelela ema – 99
1.8 Ukuhlanganisa okuphindaphindayo okuholela ekuphindaphindeni	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa okuphindaphindayo okunemiphumela efinyelela ema – 20.	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa okuphindaphindayo okunemiphumela efinyelela ema – 50	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa okuphindaphindayo okunemiphumela efinyelela ema – 50	Xazulula izibalo zamagama ngokwesimo esejwayelekile ubuye uchaze isixazululo sakho esifaka ukuhlanganisa okuphindaphindayo okunemiphumela efinyelela ema – 50
1.9 Ukuhlela ngamagoqo nokuhlanganisela okuholela ekwahukaniseni	Chaza uxazulule izisombulu ezimayelana nezibalo zamagama ngokwesimo esejwayelekile (izibalo zengxoxo) okufaka ukwahlukaniseana ngokulinganayo, ukuhlele ngamaqoqo ezinombolo eziphelele kuze kufike ema – 20 kanye nezimpendulo ezingafaka izinsalela.	Xazulula uchaze izixazululo zezinkinga eziphathetekayo kufaka ukwahlukanisela ngokulinganayo, uhlele ngamaqoqo kufinyelela ema – 50 kanye nezimpendulo ezingafaka izinsalela.	Xazulula uchaze izixazululo zezinkinga eziphathetekayo kufaka ukwahlukanisela ngokulinganayo, uhlele ngamaqoqo kufinyelela ema – 50 kanye nezimpendulo ezingafaka izinsalela.	Xazulula uchaze izixazululo zezinkinga eziphathetekayo kufaka ukwahlukanisela ngokulinganayo, uhlele ngamaqoqo kufinyelela ema – 50 kanye nezimpendulo ezingafaka izinsalela.

ULVAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
1.10 Ukuhlukaniselana okuholela kumaqhezu		Yazulula uchaze izixazulo ngezinkinga eziphathetekayo ezifaka ukwabelana ngokulinganayo okuholela kwizixazulu ezifaka ingxeny eydwa kokuphelele kanye nezingxeny ezingaphezu kweyodwa kokuphele.		Xazulula uchaze izixazulo ngezinkinga eziphathetekayo ezifaka ukwabelana ngokulinganayo okuholela kwizixazulu ezifaka ingxeny eydwa kokuphelele kanye nezingxeny ezingaphezu kweyodwa kokuphele.
1.11 Imali	Thuthukisa ulwazi lwemali esetshenziswa eNingizimu Afrika ewuhlwenza nengamaphepha.	<ul style="list-style-type: none"> Ukukwazi ukubona nokukhomba imali yaseNingizimu Afrika ewuhlwenza (5c, 10c, 50c, R1, R2, R5), nengamaphepha (R10, R20, R50) Ukuxazululu kwezinkinga zemali ezifaka isamba noshintshi kulemali – 20c, R20 Ukuxazululu kwezinkinga zemali ezifaka isamba noshintshi kulemali – 90c, R99 	<ul style="list-style-type: none"> Ukuwazi ukubona nokukhomba imali yaseNingizimu Afrika ewuhlwenza (5c, 10c, 50c, R1, R2, R5), nengamaphepha (R10, R20, R50) Ukuxazululu kwezinkinga zemali ezifaka isamba noshintshi kulemali – 90c, R99 Guquila imali ewuhlwenza ibe amaphepha; eyamaphepha ibe uhlwenza . 	<ul style="list-style-type: none"> Ukuwazi ukubona nokukhomba yonke imali ewuhlwenza nengamaphepha esetshenziswa eNingizimu Africa Ukuxazululu kwezinkinga zemali zemali ezifaka isamba noshintshi owuhlwenza nemali yamaphepha Guquila imali ewuhlwenza ibe amaphepha; eyamaphepha ibe uhlwenza .
UKUBALA OKUKHULULEKILE				
1.12 Amasu (izindlela noma amaqhingga)		Sebenzisa lamasu alandelayo uma ubala:	Sebenzisa lamasu alandelayo uma ubala:	Sebenzisa lamasu alandelayo uma ubala:
		<ul style="list-style-type: none"> Imidwebo nomu izinsiza kufundisa eziphathetekayo zokubala Ukwakha nokuhlakaza izinombolo Ukuphindra kabili nokuhlukanisa kabili ngokulingana Umugqa wezinombolo ohambisana nezinto eziphathetekayo. 	<ul style="list-style-type: none"> Imidwebo nomu izinsiza kufundisa eziphathetekayo zokubala Ukwakha nokuhlakaza izinombolo Ukuphindra kabili nokuhlukanisa kabili ngokulingana Umugqa wezinombolo 	<ul style="list-style-type: none"> Ukwakha nokuhlakaza izinombolo Ukuphindra kabili nokuhlukanisa kabili ngokulingana Umugqa wezinombolo Ukusondezelza emashumini
1.13 Ukuhanganisa nokususa	Xazulula ngomlomo izinkinga zokuhlukanisa nokuhanganisa ezinezixazulu eztifnyelela e-10.	<ul style="list-style-type: none"> Hlanganisa kuze kufike kuma – 20 Susa ema – 20 Sebenzisa izimpawu ezifanele (+, -, =, □) Yenza uphindelela amabhondi kuze kufike e – 10 	<ul style="list-style-type: none"> Hlanganisa kuze kufike kuma – 99 Susa ema – 99 Sebenzisa izimpawu ezifanele (+, -, =, □) Yenza uphindelela amabhondi kuze kufike e – 20 	<ul style="list-style-type: none"> Hlanganisa kuze kufike kuma – 999 Susa ema – 999 Sebenzisa izimpawu ezifanele (+, -, =, □) Yenza uphindelela amabhondi kuze kufike ema – 30

ULVAZI	IBANGAR	IBANGA 1	IBANGA 2	IBANGA 3
1.14 Ukuhlanganisa ngokuphindeleia okuholeia ezibalweni zokuphindaphinda		<ul style="list-style-type: none"> Hlanganisa inombolo efanayo ngokuphindeleia kufinyelela ema - 20 Sebenzisa izimpawu ezifanele (+, =, □) 	<ul style="list-style-type: none"> phindaphinda izinombolo kusukela kweyodwa kuya kweziishumi ngoku - 2,5,3 nangoku-4 kuze kufike ema - 50 Sebenzisa izimpawu ezifanele (x, X, =, □) 	<ul style="list-style-type: none"> Phindaphinda nomi iyiphi inombolo ngoku -2,3,4,5,10 kuze kufike e- 100 Sebenzisa izimpawu ezifanele (x, X, =, □)
1.15 Ukwahlukanisa				<ul style="list-style-type: none"> Hlukanisa izinombolo kufinyelela e - 100 ngalezi zinombolo: 2,3,4,5,10 Sebenzisa izimpawu ezifanele (÷, =, □)
1.16 Izbalo zekhanda	Ulwazi Iwezinombolo: Uhla olufinyelela e-10	<p>Ulwazi Iwezinombolo: uhla olufinyelela e – 20</p> <ul style="list-style-type: none"> Shono inombolo engaphambi nom emuva kwenombolo enikiwe. Hlela iqoqo olinikwe lezinombolo ezikhethiwe. Qhathanisa izinombolo kufinyelela ema-99 bese usho ukuthi iyiphi ema-20 usho ukuthi iyiphi enkulu nomi encane ngoku -1,2,3,4,5,10 	<p>Ulwazi Iwezinombolo: uhla olufinyelela e – 99</p> <ul style="list-style-type: none"> Hlela iqoqo olinikwe lezinombolo ezikhethiwe. Qhathanisa izinombolo kufinyelela ema-99 bese usho ukuthi iyiphi ema-20 usho ukuthi iyiphi enkulu nomi encane ngoku -1,2,3,4,5,10 	<p>Ulwazi Iwezinombolo: uhla olufinyelela e – 1000</p> <ul style="list-style-type: none"> Hlela iqoqo olinikwe lezinombolo ezikhethiwe. Qhathanisa izinombolo kufinyelela ema-1000 usho ukuthi iyiphi enkulu nomi encane ngoku -1,2,3,4,5,10
	Ulkhumbulu okusheshayo:	<p>Ulkhumbulu okusheshayo:</p> <ul style="list-style-type: none"> Imigomo yokuhlanganisa nokususa kufika ema-10. 	<p>Ulkhumbulu okusheshayo:</p> <ul style="list-style-type: none"> Imigomo yokuhlanganisa nokususa kufika ema-20 Susa nomi uhlanganise ubala ngokuyishumi kusukela ku-0 kuya e-100 Imigomo ylkuphindaphinda usebenzisa: <ul style="list-style-type: none"> Ithebulu lokuphindaphinda ngokubili kufika ema - 20 Ithebulu lokuphindaphinda ngokuyi - 10 kufika e – 100 	<p>Ulkhumbulu okusheshayo:</p> <ul style="list-style-type: none"> Khumbula imigomo yokuhlanganisa nokususa kufika ema-20 Susa nomi uhlanganise ubala ngokuyishumi kusukela ku-0 kuya e-100 Imigomo ylkuphindaphinda usebenzisa: <ul style="list-style-type: none"> Ithebulu lokuphindaphinda ngokubili kufika ema - 20 Ithebulu lokuphindaphinda ngokuyi - 10 kufika e – 100

ULWAZI	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
1.16 Izibalo zekhanda		<p>Amaqhingga okubala:</p> <p>Sebenzisa amaqhingga okuhlanganisa nokususa ngokuyikho:</p> <ul style="list-style-type: none"> Beka inombolo enkululu kuqala ukuze ubale uqhubekе noma ubala uya emumva. Umugqa wezinombolo. Ukuphindinda kabili nokuhlukanisa kabili ngokulingana Ukwakha nokuhlakaza izinombolo Sebenzisa ubudlelwano phakathi kokuhlanganisa nokususa. <p>Amaqhingga okubala:</p> <p>Sebenzisa amaqhingga okuhlanganisa nokususa ngokuyikho:</p> <ul style="list-style-type: none"> Beka inombolo enkululu kuqala ukuze ubale uqhubekе noma ubala uya emumva. Umugqa wezinombolo. Ukuphindinda kabili nokuhlukanisa kabili ngokulingana Ukwakha nokuhlakaza izinombolo Sebenzisa ubudlelwano phakathi kokuhlanganisa nokususa. 	<p>Amaqhingga okubala:</p> <p>Sebenzisa amaqhingga okuhlanganisa nokususa ngokuyikho:</p> <ul style="list-style-type: none"> Beka inombolo enkululu kuqala ukuze ubale uqhubekе noma ubala uya emumva. Umugqa wezinombolo. Ukuphindinda kabili nokuhlukanisa kabili ngokulingana Ukwakha nokuhlakaza izinombolo Sebenzisa ubudlelwano phakathi kokuhlanganisa nokususa. <p>Amaqhingga okubala:</p> <p>Sebenzisa amaqhingga okuhlanganisa nokususa ngokuyikho:</p> <ul style="list-style-type: none"> Beka inombolo enkululu kuqala ukuze ubale uqhubekе noma ubala uya emumva. Umugqa wezinombolo. Ukuphindinda kabili nokuhlukanisa kabili ngokulingana Ukwakha nokuhlakaza izinombolo Sebenzisa ubudlelwano phakathi kokuhlanganisa nokususa. 	<ul style="list-style-type: none"> Imigomo yokuhlukanisa izinombolo: <ul style="list-style-type: none"> - Hlukanisa ngokuyi – 10 kufinyelela e – 100 Sebenzisa lamaqhingga alandelayo: <ul style="list-style-type: none"> • Beka inombolo enkululu kuqala ukuze ubale uqhubekе noma ubala uya emumva. • Umugqa wezinombolo. • Ukuphindinda kabili nokuhlukanisa kabili ngokulingana • Ukwakha nokuhlakaza izinombolo • Sebenzisa ubudlelwano phakathi kokuhlanganisa nokususa. • Sebenzisa ubudlelwano phakathi kokuphindaphinda nokuhlukanisa. Sebenzisa bese usho ingxenyeyodwa kokuphelele kanye nezingxenyeyezingaphezulu kweyodwa kokuphelele kwizimo ezejwayelekile kufaka ohhafu, amakota, okukodwa kokuyishiyagalomibili, okukodwa kokuthathu, okukodwa kokuhlanu, okukodwa kokuyisithupha. Ukukwazi ukubona amaqhezu emidwebweni <ul style="list-style-type: none"> • Sebenzisa bese usho ingxenyeyodwa kokuphelele kwizimo ezejwayelekile ufaka ohhafu, amakota, okukodwa kokuthathu nokukodwa kokuhlanu. Ukukwazi ukubona amaqhezu <ul style="list-style-type: none"> • Sebenzisa bese usho ingxenyeyodwa kokuphelele kanye nezingxenyeyezingaphezulu kweyodwa kokuphelele kwizimo ezejwayelekile kufaka ohhafu, amakota, okukodwa kokuyishiyagalomibili, okukodwa kokuthathu, okukodwa kokuhlanu, okukodwa kokuyisithupha. • Ukwakha nokuhlakaza izinombolo • Sebenzisa bese usho ingxenyeyodwa kokuphelele kwizimo ezejwayelekile ufaka ohhafu, amakota, okukodwa kokuthathu nokukodwa kokuhlanu. • Bhala amaqhezu kahhafu 0-1 • Bhala amaqhezu njengohhafu, nokubili kokuthathu (Isib. ½)

ULWAZI JIKELELE EMABANGENI APIHANSI
2. AMAPHETHINI, UKUXUMANAKANYE NE-ALJEBHRA

Inqubekela phambili kumaphethini, imisebenzi kanye ne-Aljebhra

- Kumaphethini, Imisebenzi kanye ne-Aljebhra, abafundi bathola amathuba oku:
 - qedeta bese uqhubeka amaphethini lela ezahlukene, kanye
 - nokukomba nokuchaza amaphethini.
- Ukuchaza amaphethini kwenza isisekelo kubafundi bamaBanga Aphakathi (Intermediate Phase) ukuchaza imithetho yamaphethini. Lokho kuphenduka kube ngokuhleliwe emsebenzini wama-aljebhra kumaBangaa Aphezulu (Senior Phase).

IZILOKO	IBANGA- R	IBANGA-1	IBANGA-2	IBANGA-3
2.1 Amaphethini asazibalomdwabo	Kopisha bese uqhubeka Kopisha bese uqhubeka namaphethini alula usebenzisa izinto eziphathekayo nemidwebo (Isib: usebenzisa imibala nezimo).	Kopisha, uqhubeka bese uchaza Kopisha, uqhubeka bese uchaza <ul style="list-style-type: none"> • ngamagama • Amaphethini alula enziwe ngezinto eziphathekayo. • Amaphethini alula enziwe ngemidwebo yemigqa, izimo noma izinto Ukwakha amaphethini akho Akha amaphethini akho okusazibalo mdwebo <ul style="list-style-type: none"> • Ngezinto eziphathekayo • Ngokudweba imigqa, izimo noma izinto 	Kopisha, uqhubeka bese uchaza Kopisha, uqhubeka bese uchaza <ul style="list-style-type: none"> • ngamagama • Amaphethini alula enziwe ngezinto eziphathekayo. • Amaphethini axube izinto eziningi enziwe ngemidwebo yemigqa, izimo noma izinto Ukwakha nokuchaza amaphethini akho <ul style="list-style-type: none"> • Ngezinto eziphathekayo • Ngokudweba imigqa, izimo noma izinto 	Kopisha, uqhubeka bese uchaza Kopisha, uqhubeka bese uchaza <ul style="list-style-type: none"> • ngamagama • Amaphethini alula enziwe ngezinto eziphathekayo. • Amaphethini axube izinto eziningi enziwe ngemidwebo yemigqa, izimo noma izinto Ukwakha nokuchaza amaphethini akho <ul style="list-style-type: none"> • Ngezinto eziphathekayo • Ngokudweba imigqa, izimo noma izinto
2.2 Amaphethini ezinombolo		Amaphethini asizungezile Khomba, uchaze ngamagama ukopishe amaphethini okusazibalo mdwebo <ul style="list-style-type: none"> • emvelweni • kusuka empliweni yesimanje yansuku zonke, • kusuka emasikweni ethu ayigugu 	Amaphethini asizungezile Khomba, uchaze ngamagama ukopishe amaphethini okusazibalo mdwebo <ul style="list-style-type: none"> • emvelweni • kusuka empliweni yesimanje yansuku zonke. • kusuka emasikweni ethu ayigugu 	Kopisha, uqhubeka bese uchaza Kopisha, uqhubeka bese uchaza ukulandelana okulula kwezinombolo okungenani kufike e - 200 Ukwakha nokuchaza amaphethini akho

ULWAZI JIKELELE EmBaNgEni APHANSI
3. INDAWO NESIMO (JIYOMETRI)

Inqubekela phambili yendawo nesimo

Ingqubekela phambili ebalulekile kwindawo nesimo yenzeka ngoku:

- ngokugxila ezakhwi ni ezintsha nasezimpawini zezimo nezinto kumaBanga onke; kanye
- noukusuka ekufundeni ulimi lweisikhundla kanye nokuqondanisa ukubukeka okwahulkene kwezinto ezifanayo kuya ekufundeni nasekulandeleni izinkomba kumabalazwe angahlelekile.

IZILOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.1 Isikhundla, isimo nokubukeka kuento	Ulimi lweisikhundla Chaza isikhundla sento eyodwa kwenye. isib: phezu kwe-, phambi kwe;ngemuvu kwe-; kwasokunxele; kwesokudla; phezulu; phansi; eduze kwe-	Ulimi lweisikhundla Chaza isikhundla sento eyodwa kwenye. isib: phezu kwe-, phambi kwe;ngemuvu kwe-; kwasokunxele; kwesokudla; phezulu; phansi; eduze kwe-	Ulimi lweisikhundla Chaza isikhundla sento eyodwa kwenye. isib: phezu kwe-, phambi kwe;ngemuvu kwe-; kwasokunxele; kwesokudla; phezulu; phansi; eduze kwe-	Isikhundla nokubuka • Bona bese uqondanisa ukubukeka okwahulkene kwezinto ezifanayo zansuku zonke
		Isikhundla nokubuka • Bona bese uqondanisa ukubukeka okwahulkene kwezinto ezifanayo zansuku zonke	Isikhundla nokubuka • Bona bese uqondanisa ukubukeka okwahulkene kwezinto ezifanayo zansuku zonke	Isikhundla nokubuka • Bona bese uqondanisa ukubukeka okwahulkene kwezinto ezifanayo zansuku zonke
			Isikhundla nezinkomba • Landela izinkomba ulokhu uhamba ekilasini	Isikhundla nezinkomba • Landela izinkomba ulokhu uhamba ekilasini

IZILOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.2 Izinto ezinhlangothi ntathu (3-D)	Uhla lwezinto Bona uphinde ubize izinto ezinhlangothi ntathu (3-D) ekilasini nasezithombeni.	<p>Uhla lwezinto</p> <ul style="list-style-type: none"> Izinto ezsabholo (imbulunga) Izinto ezsabhhokisi (iphrizimu) isilinda 	<p>Uhla lwezinto</p> <ul style="list-style-type: none"> Izinto ezsabholo (imbulunga) Izinto ezsabhhokisi (iphrizimu) isilinda iphiramidi ikhoni 	<p>Uhla lwezinto</p> <ul style="list-style-type: none"> Bona uphinde ubize izinto ezinhlangothi ntathu (3-D) ekilasini nasezithombeni. Izinto ezsabholo (imbulunga) Izinto ezsabhhokisi (iphrizimu) isilinda iphiramidi ikhoni

IZIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
3.3 Izimo ezinhlangothi mbili (2-D)	Uhla lwezimo <ul style="list-style-type: none">Bona bese usho izimo ezinhlangothi mbili (2-D)indilingaunxantathuisikwele	Uhla lwezimo <p>Bona bese usho izimo ezinhlangothi mbili (2-D)</p> <ul style="list-style-type: none">indilingaunxantathuisikweleunxande Izimpawu zezimo <ul style="list-style-type: none">Chaza, hlela bese uqhatthanise izimo ezinhlangothi mbili (2-D) ngoko:bungakoimibalaamacala aqondileamacala ayindillinga	Uhla lwezimo <p>Bona bese usho izimo ezinhlangothi mbili (2-D)</p> <ul style="list-style-type: none">indilingaunxantathuisikweleunxande Izimpawu zezimo <ul style="list-style-type: none">Chaza, hlela uphinde uqhatthanise izimo ezinhlangothi mbili (2-D) ngoko:wobungakoisimoamacala aqondileamacala ayindillinga Dweba izimo <ul style="list-style-type: none">izindillingaonxantathuizikweleonxande	Uhla lwezimo <p>Bona bese usho izimo ezinhlangothi mbili (2-D)</p> <ul style="list-style-type: none">indilingaunxantathuisikweleunxande Izimpawu zezimo <ul style="list-style-type: none">Chaza, hlela uphinde uqhatthanise izimo ezinhlangothi mbili (2-D) ngoko:wobungakoisimoamacala aqondileamacala ayindillinga Dweba izimo <ul style="list-style-type: none">izindillingaonxantathuizikweleonxande
3.4 Okufana nse nxazombili		Okufana nxazombili <ul style="list-style-type: none">Ukubona ukuhulkana komzimba wakhe kabili izingxenyen ezipana nse.	Okufana nxazombili <ul style="list-style-type: none">Ukubona ukuhulkana komzimba wakhe kabili izingxenyen ezipana nse. Okufana nxazombili <ul style="list-style-type: none">Bona uphinde udwebe umugqa ohlukanisa izimo ezinhlangothi mbili ezsazibalo mdwebo nalezo ezingezona ijyometri.Bona uphinde udwebe umugqa ohlukanisa izimo ezinhlangothi mbili ezsazibalo mdwebo nalezo ezingezona ijyometri.	Okufana nxazombili <ul style="list-style-type: none">Bona uphinde udwebe umugqa ohlukanisa izimo ezinhlangothi mbili ezsazibalo mdwebo nalezo ezingezona ijyometri.Bona uphinde udwebe umugqa ohlukanisa izimo ezinhlangothi mbili ezsazibalo mdwebo nalezo ezingezona ijyometri.Thola umugqa ohlukanisa izinto phakathi zilingane ngokugoa iphepha phakathi nendawo ihlukane kabil.

ULWAZI JIKELELE EMABANGENI APHANSI
4. ISILINGANISO

Ingqubekela phambili ekulinganiseni

- Ingqubekela phambili ebalulekile ekulinganiseni kuwo wonke amaBanga yenzeka ngokwethulwa kwalokhu:
 - Izindlila ezintsha zokulinganisa;
 - Amathulusi amasha okulinganisa, kuqala emathulizini angahalelekile kuya kumathuluzi ahlelekile kumaBanga 2 no 3;
 - Izikali ezintsha zokulinganisa, ikakhulukazi kumaBanga 2 no 3,
- Ukubala nokuxazululuwa kwezinKinga zokulinganisa kumele kunakekekkelwe ukuthi kusetshe nziswe izinombolo esezifundiwe.

IZIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.1 Isikhathi	<p>Ukudlula kwesikhathi</p> <p>Ukuxoxa ngokudlula kwesikhathi</p> <ul style="list-style-type: none"> • Kuxoxwa ngezinto ezenzeke emini nasebusuku • Abafundi balandelanisa izigameko ezenzeke emini • Abafundi bahela izigameko ezenzeke njalo ezimpilweni zabo 	<p>Ukudlula kwesikhathi</p> <p>Ukuxoxa ngokudlula kwesikhathi</p> <ul style="list-style-type: none"> • Hlela izigameko ezenzeke ezimpilweni zabo. • Qhathanisa ubude besikhathi usebenzisa ulimi isib. side kuna, sifishane kuna, siyashesha kuna, sihamba kancane kuna. • Hlela izigameko usebenzisa ulimi njengokuthi izolo, namuhla, kusasa. 		

IZIHLOKO	IBANGAR	IBANGA 1	IBANGA 2	IBANGA 3
4.1	Isikhathi	Ukusho Isikhathi	Ukusho Isikhathi	Ukusho Isikhathi
		<ul style="list-style-type: none"> Chaza ukuthi into yenzeka nini ngokusebenzisa ulimi isib ekuseni, ntambama, ebusuku, ngaphambi kwesikhathi, ngemuva kwesikhathi. Shono bese ulandelanisa izinsuku zesonto nezinyanga zonyaka. Faka izinsuku zokuzalwa, ekhalendeni. 	<ul style="list-style-type: none"> Shono bese ulandelanisa izinsuku zesonto nezinyanga zonyaka. Faka izinsuku zokuzalwa, imugubho yezenkolo, amaholidi, izigameko zomlano, izigameko zesikole ekhalendeni. Isho isikhathi ngokwa mahora, isigamu sehora kanye nekota lehora. 	<ul style="list-style-type: none"> Funda izinsuku (umhlaka bani) ekhalendeni Faka izinsuku zokuzalwa, imugubho yezenkolo, amaholidi, izigameko zomlano, izigameko zesikole ekhalendeni. Isho isikhathi ngokwa <ul style="list-style-type: none"> - amahora - uhhaftu wehora - ikota lehora - amaminithi usebenzisa iwashi lezinti nelezinombolo nezinye izinto zokukala isikhathi isib. umakalekhukhwini <p>Bala ubude besikhathi nokudula kwesikhathi</p> <ul style="list-style-type: none"> Sebenzisa ikhalenda ukubala nokuchaza ubude besikhathi: <ul style="list-style-type: none"> - Ngezinsuku, - Ngamasonto Ngezinyanya Ukushintsha kusuka ezinsukwini kuya evikini Sebenzisa iwashi ukubala ubude besikhathi: <ul style="list-style-type: none"> - Ngamahora - Uhhaftu wehora

IZIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.2	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhlela ubude, ukuphakama nom a ububanzi bezinto ezmibili nom a ngaphezulu ngokuzibeka eduze kwenye. Sebenzisa ulimi ukukhuluma ngokughathanisa lsib. Okude kuna, okufushane kuna, okude kuna, okubanzi ngokuthe xaxa, Qagela, linganisa, qhathanisa, hela bese ubhala phansi ubude usebenzia ukukala okungenasilinganiso lsib. ngezandla, amagxathu, ubude bamapensela, nezinto zokubala Chaza ubude bezinto ngokubala bese usho ubude ngokwezikali ezingahlelekile. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhlela ubude, ukuphakama nom a ububanzi bezinto ezmibili nom a ngaphezulu ngokuzibeka eduze kwenye. Sebenzisa ulimi ukukhuluma ngokughathanisa lsib. Okude kuna, okufushane kuna, okude kuna, okubanzi ngokuthe xaxa, Qagela, linganisa, qhathanisa, hela bese ubhala phansi ubude usebenzia ukukala okungenasilinganiso lsib. ngezandla, amagxathu, ubude bamapensela, nezinto zokubala Chaza ubude bezinto ngokubala bese usho ubude ngokwezikali ezingahlelekile. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hela bese ubhala phansi ubude usebenzia ukukala okungenasilinganiso lsib. ngezandla, amagxathu, ubude bamapensela, nezinto zokubala Chaza ubude bentu ngokubala bese usho ukuthi kude kangakanani ngesikali esingahlelekile. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hela bese ubhala phansi ubude usebenzia ukukala okungenasilinganiso lsib. ngezandla, amagxathu, ubude bamapensela, nezinto zokubala Chaza ubude bentu ngokubala bese usho ukuthi kude kangakanani ngesikali esingahlelekile.

IZIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.3 Isisindo	Isilinganiso okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhela isisisindo sezinto ezimbili nom a ngaphezulu ngokuzizwa nom a usebenzise isikali sokuzimelela. Sebenzisa ulimi ukuqhathanisa, Isib. kulula, kuyesinda, kulula kuna, kusinda kune 	Isilinganiso okungahlelekile <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hleia, bese ubhala isisisindo usebenzise isikali sokuzimelela kanye nokukala okungenasilinganiso Isib. amabhulokisi, izitini. Chaza isisisindo sezinto ngokubala ukhombise isisisindo ngokwe zikali ezingahlelekile. Sebenzisa ulimi ukuqhathanisa, Isib. kulula, kuyesinda, kulula kuna, kusinda kune Ukwethulwa kokulinganisa okukuhlelekile <ul style="list-style-type: none"> Qhathanisa, hela uhale isisisindo sezinto ezithengisayo ezinessisindo esikaliwe esingama khilogram Isib.2 amakhilogramu elayis, 1 ikhilogramu ka fulawa. 	Isilinganiso okungahlelekile <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hleia, bese ubhala isisisindo usebenzise isikali sokuzimelela kanye nokukala okungenasilinganiso Isib. amabhulokisi, izitina. Chaza isisisindo sezinto ngokubala ukhombise isisisindo ngokwe zikali ezingahlelekile. Sebenzisa ulimi ukuqhathanisa, Isib. kulula, kuyesinda, kulula kuna, kusinda kune Ukwethulwa kokulinganisa okukuhlelekile <ul style="list-style-type: none"> Qhathanisa, hela uhale isisisindo sezinto ezithengisayo ezinessisindo esikaliwe esingama khilogram Isib.2 amakhilogramu elayis, 1 ikhilogramu ka fulawa. 	Isilinganiso okungahlelekile <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hleia, bese ubhala isisisindo usebenzise isikali sokuzimelela kanye nokukala okungenasilinganiso Isib. amabhulokisi, izitina. Chaza isisisindo sezinto ngokubala ukhombise isisisindo ngokwe zikali ezingahlelekile. Sebenzisa ulimi ukuqhathanisa, Isib. kulula, kuyesinda, kulula kuna, kusinda kune Ukwethulwa kokulinganisa okukuhlelekile <ul style="list-style-type: none"> Qhathanisa, hela uhale isisisindo sezinto ezithengisayo ezinessisindo esikaliwe esingama khilogram Isib.2 amakhilogramu elayis, 1 ikhilogramu ka fulawa.
4.4 Umthamo / okumumethwe	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhela umthamo woketshezi olusezitsiheni ezimbili ezibekwe ndawonye. Abafundi bazoiloa ngokuthi bathele uketshezi esitsiheni sesithathu. Qhathanisa bese uhela umthamo woketshezi olungamumathwa izitsha ezimbili uma zigcweli. Sebenzisa ulimi ukuqhathanise Isib. okuningi kunokunye, okuncane kunokunye, okugcwele, okungekho lutho. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhela umthamo woketshezi olusezitsiheni ezimbili ezibekwe ndawonye. Abafundi bazoiloa ngokuthi bathele uketshezi esitsiheni sesithathu. Qhathanisa bese uhela umthamo woketshezi olungamumathwa izitsha ezimbili uma zigcweli. Sebenzisa ulimi ukuqhathanise Isib. okuningi kunokunye, okuncane kunokunye, okugcwele, okungekho lutho. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhela umthamo woketshezi olusezitsiheni ezimbili ezibekwe ndawonye. Abafundi bazoiloa ngokuthi bathele uketshezi esitsiheni sesithathu. Qhathanisa bese uhela umthamo woketshezi olungamumathwa izitsha ezimbili uma zigcweli. Sebenzisa ulimi ukuqhathanise Isib. okuningi kunokunye, okuncane kunokunye, okugcwele, okungekho lutho. 	Ukukala okungahlelekile <ul style="list-style-type: none"> Qhathanisa bese uhela umthamo woketshezi olusezitsiheni ezimbili ezibekwe ndawonye. Abafundi bazoiloa ngokuthi bathele uketshezi esitsiheni sesithathu. Qhathanisa bese uhela umthamo woketshezi olungamumathwa izitsha ezimbili uma zigcweli. Sebenzisa ulimi ukuqhathanise Isib. okuningi kunokunye, okuncane kunokunye, okugcwele, okungekho lutho.

IZIHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
4.4 Umthamo / okumumethwe	<ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hlela bese ubhala umthamo wezitsha usebenzisa ukukala okungenasilinganiso lsib.zipuni kanye nezinkomishi. Chaza umthamo wesitsha ngokubala bese usho ukuthi ugcwala ngezikali ezingaki ezingahalelekile lsib.ibhodlela lithatha umthamo wezinkomishi ezine. 	<p>Ukuthulwa kokulinganisa okuhalelekile</p> <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, uhlele bese ubhala umthamo wezinto ezikaliwe ngamalitha. Qhathanisa, hlela bese ubhalea umthamo wezinto ezithengisayo ezikaliwe ezingamalitha lsib 2 amalitha obisi, 1 ilitha lesiphuzo, 5 amalitha kapende. 	<ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, hlela bese ubhala umthamo wezitsha (lsib.umthamo ongagcwala isitsha) usebenzisa ukukala okungenasilinganiso lsib. izipuni kanye nezinkomishi. Chaza umthamo wesitsha ngokubala bese usno ukuthi ugcwala ngezikali ezingaki ezingahalelekile lsib.ibhodlela lithatha umthamo wezinkomishi ezine. 	<p>Ukuthulwa kokulinganisa okuhalelekile</p> <ul style="list-style-type: none"> Qagela, linganisa, qhathanisa, uhlele bese ubhala umthamo wezinto ezikaliwe ngamalitha, uhhafu welitha nekota yelitha. Qhathanisa, hlela bese ubhala umthamo wezinto ezithengisayo ezikaliwe ezingamalitha lsib 2 amalitha obibs, 1 ilitha lesiphuzo, 5 amalitha kapende nom a ibhalwe ngamamillitha lsib 500 amamillitha wobisi, 340mamillitha wesiphuzo, 750 amillitha kawoyela Inkomishi yetye ejwayelekile ingamamillitha angama 250. Ithisipuni ejwayelekile ingamamillitha ama 5. (Ayikho inguquko edingekeyo phakathi kwamamillitha namalitha)
4.5 Ubude bengaphandle lento kanye nobubanzi bendawo				<p>Ubude bengaphandle lento</p> <p>Phenya iBanga lezimo ezinhlangothi mbili 2-D nezinto ezinhlangothintathu 3-D usebenzisa ukuphathanisa ngqo nom a isikali esingahalelekile.</p> <p>Ububanzi bendawo</p> <p>Phenya ububanzi bendawo ngokusebenzisa amathayela (aphansi / obondeni)</p>

**ULWAZI JIKELELE EMABANGENI APIHANSI
5. UKUQOKELELWA KOLWAZI LWEZIBALO**

Inqubekela phambili kokuqokelelwa kolwazi lwezibalo

- Inqubekela phambili ebalulekile ekujokeleleni kolwazi lwezibalo kumaBanga ahlikene yenzeka ngoku:
 - Ukusuka ekusebenzeni ngezinto uye ekusebenzeni ngolwazi, futhi
 - Usebenza ngezindilela ezintsha zokukhombisa ulwazi lwezibalo.
- Abafundi kufanele basebenze ngolwazi lwezibalo oluphelele okungenani kanye ngonyaka – lokhu kufaka ukuoqa kanye nokuhlela ulwazi, ukwethulwa kolwa, ukuhlaziya, ukuhumusha kanye nombiko wowlazi.
- Ezinye izingxenyen zolwazi olujokelelwe lungenzeka kweminye imisebenzi yezibalo.

IZHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
5.1 Ukuqoqa nokuhlela izinto	Ukuqoqa nokuhlela izinto Qoqa bese uhlela izinto eziphathhekayo zansukuzonke	Ukuqoqa nokuhlela izinto Qoqa bese uhlela izinto eziphathhekayo zansukuzonke		
5.2 Okumele iqoqo lezinto eziphathhekayo ezihlelekile	Beka okumele iqoqo lezinto eziphathhekayo ezihlelekile Dweba isithombe sezinto eziqoqiwe	Beka okumele iqoqo lezinto eziphathhekayo ezihlelekile Dweba isithombe sezinto eziqoqiwe		
5.3 Ukuxoxa nokubika ngeqoqo lezinto eziphathhekayo ezihlelekile	Xoxa ubike ngeqoqo lezinto eziphathhekayo ezihlelekile • Phendula imibuzo ngoku: - kuhlelwae kanjani okuqoqiwe - kudwetshwe kanjani okuqoqiwe	Xoxa nubilke ngeqoqo lezinto eziphathhekayo ezihlelekile • Niku izizathu ngokuthi okuqoqiwe kuhlelwae kanjani ; • Phendula imibuzo ngoku: - Zihlelwae kanjani izinto (indlela owenze ngayo) - Okuhleliwe kwaqqwa kubukeka kanjani • Chaza okuqoqiwe / umdwebo kuhlelwae kanjani		

IZHLOKO	IBANGA R	IBANGA 1	IBANGA 2	IBANGA 3
5.4	Ukuqoqa bese uhlela ulwazi	Qoqa uphinde uhlele ulwazi Iwezibalo <ul style="list-style-type: none"> Qoqa ulwazi ngekilasi nom isikole ukuze uphendule imibuzzo ethuliwa uthisha 	Qoqa uphinde uhlele ulwazi Iwezibalo <ul style="list-style-type: none"> Qoqa ulwazi ngekilasi nom isikole ukuze uphendule imibuzzo ethuliwa uthisha Hiela ulwazi olwethulwe uthisha noma incwadi yomfundu, noma yokusebenza Hiela ulwazi Iwezibalo kulothu: <ul style="list-style-type: none"> - Uhla - amathalisi - amathebula 	Qoqa uphinde uhlele ulwazi <ul style="list-style-type: none"> Qoqa ulwazi ngekilasi nom isikole ukuze uphendule imibuzzo ethuliwa uthisha Hiela ulwazi olwethulwe uthisha noma incwadi yomfundu, noma yokusebenza Hiela ulwazi Iwezibalo kulothu: <ul style="list-style-type: none"> - Uhla - amathalisi - amathebula
5.5	Ukubeka okumele ulwazi	Ukubeka okumele ulwazi <ul style="list-style-type: none"> Beka okumele ulwazi ngokusebenzisa igrafu yezithombe Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo. 	Ukubeka okumele ulwazi <ul style="list-style-type: none"> Beka okumele ulwazi ngokusebenzisa igrafu yezithombe Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo. 	Ukubeka okumele ulwazi <ul style="list-style-type: none"> Beka okumele ulwazi:<ul style="list-style-type: none"> - Ngokwenza igrafu yezithombe (Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo) - amabhaigrafu
5.6	Ukuhlaziya nokuhumusha ulwazi	Ukuhlaziya nokuhumusha ulwazi Phendula imibuzzo ngolwazi kwigrafu yezithombe <ul style="list-style-type: none"> Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo. 	Ukuhlaziya nokuhumusha ulwazi Phendula imibuzzo ngolwazi kwigrafu yezithombe <ul style="list-style-type: none"> Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo. 	Ukuhlaziya nokuhumusha ulwazi Phendula imibuzzo ngolwazi kwigrafu yezithombe <ul style="list-style-type: none"> Ngokwenza igrafu yezithombe (Sebenzisa igrafu yezithombe okukodwa nokukodwa okuhambisanyo) Bhagrafu

3.3 UKUCACISA OKUQUKETHWA

Kulengxene ye yokucaciswa kolwazi, othisha banikezwa lokhu:

- Ulwazi jikelele IweThemu IwamaBanga R - 3;
- Iziphakamiso zokulandelana kwezihloko ngokwamathemu: akuzona zonke izingxene ye zezihloko ezifundiswayo ithemu ngayinye; ezinye izingxene ye zezihloko kumele zifundiswe ngaphambili kwezinje izingxene ye zalezo zihloko.
- Iziphakamiso zezikhathi ezibekelwe izihloko onyakeni. Njengoba ezinye izingxene ye zolwazi zidinga isikhathi esiningi kezinye, ngakhoke ezinye izihloko zidinga isikhathi esiningi kunezinye; kanye
- NAmanothi Acacisayokanye nomhlahlandlela wokufundisa onezibonelo ezifanele.

Ingxene ye ngayinye yowlazi ihlukaniswe ngezihloko. Zonke izingxene ye zolwazi kufanele zifundiswe ngethemu. Uku-hleleka kwezihloko ngamathemu kunika umqondo wokusabalalisa nokubukeza izihloko kuwona wonke amathemu onyakeni. Akabalulekile ukufundisa zonke izihloko zendawo nesimo, isilinganiso kanye ukuqokelelwa kolwazi kuwo wonke amathemu. Kodwa ke akuqikelelwe ukuthi zonke izihloko ziyafundiswa ngonyaka.

Kwingxene ye – 2 (isigamu 2.6) unikeziwe isisindo sezingxene ye zolwazi. Uma kuhlanganiswa amahora anikeziwe onyakeni, ungakwazi ukubala isikhathi sokufundisa sengxene ye ngayinye yowlazi.

Othisha Bangakhetha ukuhlela ulwazi balwabele isikhathi ngokwehlukile kunalokho okuphakanyisiwe kule sahluko. Othisha Bangashintsha isikhathi esiphakanyisiwe sesahluko kancane Kodwa ke, kufanele kuqashelwe isisindo es-isondelene kanye namahora okufundisa izingxene ye zolwazi Iwezibalo emaBangeni aphansi.

- **Ebangeni R** izibalo zisemazingeni okuqala ngakhoke akumele zibe nezikhathi zokuzifundisa ezhleliwe. Uthisha weBanga R kufanele afake ukufundiswa kwezibalo emisebenzini yansuku zonke nakuba izikhathi uthisha kufanele abe nesikhathi lapho egxila khona emsebenzini yezibalo, ngaphandle kwalokho abafundi bangeke bathuthuke olwazini namakhono adingekayo ezibalweni.
- Izikhathi zamaBanga R – 3 zibekwe ngalendlela:
 - **Amahora ayisikhombisa kufanele asetshenziselwe izibalo ngesonto** (amasonto ayi -10×4 amathemu $\times 7$ amahora = 280 amahora ngonyaka).
 - Isifundo ngasinye sezibalo kufanele **sibe yihora eli-1 namaminithi angama 24 ngesonto kumaBanga 1 – 3.**
 - Lokhu kusho ukuthi kunamathemu amane anamasonto ayi 10 anezifundo ezinhlanu ngesonto (uMsombuluko kuya koLwesihlanu).
 - Banike isonto lokuqala ethemini ukuthi bajwayele futhi babukeze umsebenzi abawenzile, njengoba abafundi bavame ukukhohlwa ulwazi abalufundile ngesikhathi samaholide babuye bakhohlwe inqubo abayejwayele yesikole. Banike isonto lokugcina ethemini ukuba babukeze ulwazi abalufundile. Lokhu kunika $8 \times 4 \times 5 = 160$ izifundo.

3.4 ISIVININI NOKULANDELANISA OKUQUKETHWE

Amathebula alandelayo awamaBanga R – 3:

- Ukulandelana kwezihloko onyakeni (kukhombisa ukuhlelwa kwezihloko ngamathemu kanye nokuncoma ubude besikhathi isihlokweni ngasinye ingxene ye yokuqukethwe)

IZIBALO IBANGA R

- Ukulandelanisa kwezihloko onyakeni (kukhombisa ukuthi izihloko zifakwe kanjani ngamathemu nenqubekela phambili yilwazi namakhono ngamathemu)
- Amanothi Acacisayoishloko ngasinye - amathebhula anika incazeloylwazi nomhlahlandlela wokufundisa ngesihloko ngasinye ngokulandelana kwazo ngamathemu

Ukuhlelwa okuzofundiswa – Ukuhlelwa kwezihloko ngethemu

EmaBangeni aphansi isihloko sezinombolo yisona esisemqoka ekufundweni kwezibalo. Ezikhathini eziningi ezi-fundweni zezibalo ngesonto, ngethemu nangonyaka kugxilwa ekufundweni kwi - Izinombolo, Ukusebenza kanye Nobudlelwane bazo. Okungenani kathathu noma ngaphezulu ngesonto makugxilwe ezifundweni ze - Izinombolo, Ukusebenza kanye Nobudlelwane bazo. Isikhathi esisele asihlukaniselwe ezinye izingxenye zolwazi Iwezibalo.

INdawo neSimo kanye nokuLinganisa kudinga kunikwe isikhathi esiningi kunokuQokelelwa koLwazi, kanye namaPhethini, Imisebenzi kanye ne Aljebhra. Amathebula alandelayo akhombisa ukuthi zingaki izifundo okufanele zenziwe kwingxenye ngayinye yolwazi nesihloko ebangeni ngalinye kumaPhethini, Imisebenzi kanye neAljebhra; Indawo neSimo; Isilinganiso kanye noKuqokelelwa koLwazi.

- IBanga R: Ukuhlelwa kwezingxenye zolwazi nezihloko zezifundo

Izibalo **eBangeni R zisezingeni loqala kolwazi Iwezibalo**, ngakhone isikhathi esiphakamisiwe sokufundisa siset-shenziselwa ukufundiswa kwezibalo eziehleliwe nalezo ezixubene nezinye izifundo ezingahlelwe. Lokhu kwenzelwe ukukhombisa ukusebenzia lonke ulwazi olumele lufundiswe. Imisebenzi yezibalo zokuqala ingaba ukubala inani lamapuleti nezinkomishi abazokusebenzia, imidlalo yokubala abayidlala ngaphandle, imidlalo yasendlini njengama-domino namaphazili, njll. Uthisha kufanele ahlele imisebenzi, alungise izinsiza kufundisa kuye ngokwezidingo zabafundi.

Indawo neSimo iyingxenye esemqoka ekuthuthukisweni kokufundwa kwezibalo kubafundi abasebancane, okufanele isabalaliswe kwisonto lonke, lapho izingxenye ezithile ziholwa uthisha, kuthi amathuba amanangi okwakha, imidlalo yasesihlabathini nasemanzini yensiwe abafundi.

Isilinganiso kufanele kuhlanganiswe nemisebenzi yokubala, njengokuqagela nokubala uma kukalwa iBanga ngezandla, ngezinyawo namanyathelo.

Irejista yansukuzonke kanye neshadi lesimo sezulu kuniKeza abafundi ithuba lokusebenza **ngokuqokelela ulwazi**.

Ithebula lesi- 3.1: ukwabiwa kwesikhathi sengxene yeBanga loku-1 kwele-3

Ingxene yokuqukethwe	Izihloko	Isikhathi Esiphakanyisiwe
Izinombolo Izimpawu kanye nobudlelwane bazo	Ukubala Ukubona izinombolo Ukukhomba nokuchaza izinombolo Ulwazi Iwezinombolo Ukuxazulula izinkinga zezibalo	120 imizuzu
Amaphethini, Ukuxhumana kanye ne-Aljebhra	Ukukopisha, ukwandisa, ukwakha iphethini lakhe	80 imizuzu
Indawo neSimo (Ijiyometri)	Ukubona, ukukhomba nokusho izimo ezinhlangothi mbili/ izithombe Izibalomdwebo Ukwakha izinto ezinhlangothintathu ngokusebenzisa izinto eziphathekayo Ubudlelwane nendawo Izinkomba	80 imizuzu
Isilinganiso	Isikhathi Ubude Isisindo Umthamo	80 imizuzu
Ukuqokelelwa kolwazi	Qoqa, hlela, dweba, funda bese ubeka okumele ulwazi.	60 imizuzu
ISAMBA		420 imizuzu 7 amahora ngesonto

IBanga 1: Ukwabiwa kwezingxene zolwazi nezihloko ezifundweni zamaBanga loku-1 kwele-3

Okungenani izifundo ezintathu (phakathi kwamahora ama - 4 kuya kwa $4\frac{1}{2}$) ngesonto azosetshenziswa ukufundisa **Izinombolo, izimpawu kanye nobudlelwane bazo** emaBangeni oku-1, 2 nele-3. Izifundo ezimbili ezisele (phakathi kwamahora $2\frac{1}{2}$ kuya kwa -3) ahlukaniselwa izihloko zezinye izinxene zolwazi Iwezibalo njengoba kunconyiwe nge-zansi.

Ithebula lesi- 3.2: Inani lezifundo eliphakanyisiwe lengxene ngayinye yeBanga loku- 1

Ingxene yokuqukethwe	Izihloko	Inani Lezifundo				
		Ithemu 1	Ithemu 2	Ithemu 3	Ithemu 4	Isamba
Izinombolo kanye nobudlelwane bazo	Zonke izihloko zezinombolo kanye nobudlelwane bazo	22	30	28	25	105
Amaphethini, Ukuxhumana kanye ne-Aljebhra	Amaphethini ezinombolo	3	3	3	3	12
	Amaphethini ayizibalomdwebo	1	1	1	1	4
Indawo neSimo (Ijiyometri)	Izimo ezinhlangothi mbili		3		3	6
	Izinto ezinhlangothi ntathu	3		2	1	6
	Isikhundla, isimo nokubukeka kwento	2			1	3
	Okufana nse nxazombili			1	1	2
Isilinganiso	Isikhathi	2				2
	Ubude	2		2		4
	Isisindo	2			2	4
	Umthamo / okumumethwe	1	2		1	4
Ukuqokelelwa kolwazi	Ukuqoqa, ukuhlela, ukubeka okumele ulwazi nokuhlaziya izinto	2	1			3
	Ulwazi oluphelele			3		3
	Izingxene zolwazi oluphelele				2	2
Inani Lezifundo		40	40	40	40	160

IZIBALO IBANGA R

Ithebula lesi- 3.3: Inani lezifundo eliphakanyisiwe lengxenye ngayinye yeBanga lesi- 2

Ingxenye yokuqukethwe	Isihloko	Inani Lezifundo				
		Ithemu 1	Ithemu 2	Ithemu 3	Ithemu 4	Isamba
Izinombolo kanye nobudlelwane bazo	Zonke izihloko zezinombolo kanye nobudlelwane bazo	24	25	24	26	99
Amaphethini, Ukuxhumanakanye ne-Aljebhra	Amaphethini ezinombolo	3	3	3	3	12
	Amaphethini ayizibalomdwebo	1	1	1	1	4
Indawo neSimo (Ijiyometri)	Izimo ezinhlangothi mbili		3		3	6
	Izinto ezinhlangothi ntathu	3		2	1	6
	Isikhundla, isimo nokubukeka kwento		2	1		3
	Okufana nse nxazombili		1		1	2
Isilinganiso	Isikhathi	3	1	3	1	8
	Ubude	3			1	4
	Isisindo		3		1	4
	Umthamo / okumumethwe			3	1	4
Ukuqokelelwa kolwazi	Ukuqoqa, ukuhlela, ukubeka okumele ulwazi nokuhlaziya izinto					
	Ulwazi oluphelele	3		3		6
	Izingxenye zolwazi oluphelele		1		1	2
Inani Lezifundo			40	40	40	160

Ithebula lesi- 3.4: Inani lezifundo eliphakanyisiwe lengxenye ngayinye yeBanga lesi- 3

Ingxenye yokuqukethwe	Isihloko	Inani Lezifundo				
		Ithemu 1	Ithemu 2	Ithemu 3	Ithemu 4	Isamba
Izinombolo kanye nobudlelwane bazo	Zonke izihloko zezinombolo kanye nobudlelwane bazo	26	22	19	27	94
Amaphethini, Ukuxhumana kanye ne-Aljebhra	Amaphethini ezinombolo	3	3	3	3	12
	Amaphethini ayizibalomdwebo	1	1	1	1	4
Indawo neSimo (Ijiyometri)	Izimo ezinhlangothi mbili	2		2		4
	Izinto ezinhlangothi ntathu		3	3	1	7
	Isikhundla, isimo nokubukeka kwento		2	3		5
	Okufana nse nxazombili		2		1	3
Isilinganiso	Isikhathi	3	2	3	2	10
	Ubude		2	2		4
	Isisindo		2		1	3
	Umthamo	2			1	3
	Ubude bengaphandle lento				1	1
Ukuqokelelwa kolwazi	Ulwazi oluphelele	3		3		6
	Izingxenye zolwazi oluphelele		1		1	2
	Inani Lezifundo	40	40	40	40	160

ULWAZI JIKELELE LWEBANGA R
1. ZINOMBOLU, IZIMPAWU KANYE NOBUDDELIWANO BAZO

UKUBALA	INGXENYE YOKUQUKETHWE	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
1.1	Bala izinto - (Qagela bese ubala izinto ukuthuthukisa ulwazi lwezinombolo)	<p>Uhla Lwezinombolo: 1 - 5</p> <ul style="list-style-type: none"> Okukodwa nokukodwa okuhambisanayo: <p>Thula ishadi labasizi nendlela izidlo ezizolandelana ngayo</p> <ul style="list-style-type: none"> Bala ngakunye - Izinsiza kufunda eziphathekayo - Izingxenye zomzimba - Shaya izandla - Gxoba ngezinyawo - Gibela izitebhisi / Eqa izinto • Ukubala ngokuphimisa imilolozeo namaculo ezinombolo 	<p>Uhla Lwezinombolo: 1 - 7</p> <ul style="list-style-type: none"> Okukodwa nokukodwa okuhambisanayo: <p>Gcizeleta ishadi labasizi nsukuzonke</p> <ul style="list-style-type: none"> Bala ngakunye - Izinsiza kufunda eziphathekayo - Izingxenye zomzimba - Shaya izandla - Gxoba ngezinyawo - Gibela izitebhisi / Eqa izinto • Ukubala ngokuphimisa imilolozeo namaculo ezinombolo 	<p>Uhla Lwezinombolo: 1 kuya 10</p> <ul style="list-style-type: none"> Okukodwa nokukodwa okuhambisanayo: <p>Gcizeleta ishadi labasizi nsukuzonke</p> <ul style="list-style-type: none"> Bala ngakunye - Izinsiza kufunda eziphathekayo - Izingxenye zomzimba - Shaya izandla - Gxoba ngezinyawo - Gibela izitebhisi / Eqa izinto • Ukubala ngokuphimisa imilolozeo namaculo ezinombolo 	<p>Uhla Lwezinombolo: 0 kuya 10</p> <ul style="list-style-type: none"> Okukodwa nokukodwa okuhambisanayo: <p>Gcizeleta ishadi labasizi nsukuzonke</p> <ul style="list-style-type: none"> Bala ngakunye - Izinsiza kufunda eziphathekayo - Izingxenye zomzimba - Shaya izandla - Gxoba ngezinyawo - Gibela izitebhisi / Eqa izinto • Ukubala ngokuphimisa imilolozeo namaculo ezinombolo
1.2	Bala uye phambil ubuye uye emumva	<p>Uhla Lwezinombolo: 1</p> <p>Ukubala unganakile usebenzisa imilolozeo, amaculo,izinto zokubala izinto ezi 3-D, ukubala unyakazisa umzimba.</p>	<p>Uhla Lwezinombolo: 1 kuya 4</p> <p>Ukubala unganakile usebenzisa imilolozeo, amaculo,izinto zokubala izinto ezi 3-D, ukubala unyakazisa umzimba.</p>	<p>Uhla Lwezinombolo: 1 kuya 7</p> <p>Ukubala unganakile usebenzisa imilolozeo, amaculo,izinto zokubala izinto ezi 3-D, ukubala unyakazisa umzimba kanye neshadi lesitebhisi sezinombolo.</p>	<p>Uhla Lwezinombolo: 0 kuya 10</p> <p>Ukubala unganakile usebenzisa imilolozeo, amaculo,izinto zokubala izinto ezi 3-D, ukubala unyakazisa umzimba kanye neshadi lesitebhisi sezinombolo</p> <p>Bala:</p> <ul style="list-style-type: none"> ngakunye

INGXENYE YOKUQUKETHWE	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
UKUBONA IZINOMBOLO				
1.3.	<p>Uhla Iwezinombolo:</p> <ul style="list-style-type: none"> Izimpawu zezinombolo: 1 Amagama ezinombolo: kunye - Usebenzisa ukunyakazisa umzimba. - Usebenzisa izinto ezinezimo ezinhlangothintathu ezifaka izinombolo 1. - Usebenzisa umfanekiso wokubonakalayo ofaka unombolo 1. - Usebenzisa umfanekiso wokubonakalayo ofaka izinombolo 2, 3, kanye ne- 4. - Usebenzisa umfanekiso wokubonakalayo ofaka izinombolo 2, 3, kanye ne- 4. - Isithombe esiwumfanekiso wokuphathekayo okufaka amakhadi anamachashaza afaka izinombolo – 2, 3, kanye ne-4. - Isithombe esiwumfanekiso wokuphathekayo okufaka amakhadi anamachashaza afaka izinombolo – 1. • Gcizelela ulwazi olutholiwe kufaka inombolo -1 	<p>Uhla Iwezinombolo:</p> <ul style="list-style-type: none"> Izimpawu zezinombolo: 2 kuya 4 Amagama ezinombolo: kibili, kuthathu, kune - Usebenzisa ukunyakazisa umzimba. - Usebenzisa izinto ezinezimo ezinhlangothintathu ezifaka izinombolo 2, 3, kanye ne – 7. - Usebenzisa umfanekiso wokubonakalayo ofaka izinombolo 5, 6, kanye ne – 7. - Usebenzisa umfanekiso wokubonakalayo ofaka izinombolo 5, 6, kanye ne – 7. - Isithombe esiwumfanekiso wokuphathekayo okufaka amakhadi anamachashaza afaka izinombolo –5, 6, kanye ne – 7 • Gcizelela ulwazi olutholiwe kufaka inombolo 1 – 7 	<p>Uhla Iwezinombolo:</p> <ul style="list-style-type: none"> Izimpawu zezinombolo: 5 kuya 7 Amagama ezinombolo: iqanda, yisishiyagalombili, yisishiyagalolunye, yishum - Usebenzisa ukunyakazisa umzimba. - Usebenzisa izinto ezinezimo ezinhlangothintathu ezifaka izinombolo 0, 8, 9 kanye ne – 10. - Usebenzisa umfanekiso wokubonakalayo ofaka izinombolo 0, 8, 9 kanye ne – 10. - Isithombe esiwumfanekiso wokuphathekayo okufaka amakhadi anamachashaza afaka izinombolo 0 –8, 9 kanye ne – 10 • Gcizelela ulwazi olutholiwe kufaka inombolo 0 – 10 	

INGXENYE YOKUQUKETHWE	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
1.4 Chaza, qhathanisa bese uhlela izinombolo (Sebeniza izinombolo ezimweni eziwayelekile)	<p>Ukusebenzisa izinombolo ezimweni eziwayelekile</p> <ul style="list-style-type: none"> Umfundi akayazi iminyaka yakhe. <p>(Sebeniza izinombolo ezimweni eziwayelekile)</p> <ul style="list-style-type: none"> Ukugcwaliwa kwerejista yansukuzonke. Ukusebenzisa izindlela ezahlukene ukubiza uha lwamagama kwi rejista nsukuzonke. Isibonejo: - Ukhona yini umfundi onophawu lwabhanana namuhla? - Ukhona yini umfundi onegama eliwuSipho namuhla? - Ukhona yini umfundi onegam eliwuSipho Vusumuzi, isibongo Madala namuhla? 	<p>Ukusebenzisa izinombolo ezimweni eziwayelekile</p> <ul style="list-style-type: none"> Umfundi akayazi inombolo yomuzu wakubonekheli lakubo <ul style="list-style-type: none"> Gcizelela ukusebenzisa izinombolo ngokugcwaliwa irejista yansukuzonke njangakwi themu yokuqata. Isibonejo: - Ukhona umfundi ohlala endlini ewunombolo 123 namuhla? - Ukhona umfundi oha kunombolo 123 emgwaqaweni ulMzwili namuhla? - Ukhona umfundi onocingo olunenombolo ewu 082 1234567 namuhla? 	<p>Ukusebenzisa izinombolo ezimweni eziwayelekile</p> <ul style="list-style-type: none"> Umfundi makayazi inombolo yocingo lwasekhaya nenombolo kamakhalekhukhwini yabazali. <ul style="list-style-type: none"> Gcizelela ukusebenzisa izinombolo ngezindlela ezahlukene. Isibonejo: Bangaki abafundi abangekho namuhua esikoleni? <ul style="list-style-type: none"> - Qagela; - Bala izihlalo ezingenamunt - Bala izitsha ezingadlelanga; 	<p>Ukusebenzisa izinombolo ezimweni eziwayelekile</p> <ul style="list-style-type: none"> Gcizelela ulwazi oluphathelene neminyaka, inombolo yendlu, ikheli, inombolo yocingo/ umakhalekhukhwini. <ul style="list-style-type: none"> Gcizelela ukusebenzisa izinombolo ngezindlela ezahlukene. Isibonejo: Bangaki abafundi abangekho namuhua esikoleni? <ul style="list-style-type: none"> - Qagela; - Bala izihlalo ezingenamunt - Bala izitsha ezingadlelanga; <ul style="list-style-type: none"> Ukhona yini umfundi ozalwa namuhla izinsuku ziyi-16 Mashi? <ul style="list-style-type: none"> Ukukhomba izinombolo ezithombeni nasemakhadini anamachashaza Ukudlala umdlalo wamakhadi anezinombolo. Khomba izinombolo ezisezikhangisweni nomu emaphepheni nakumakhadi amadala. Khomba izinombolo emabhuwini.

INGXENYE YOKUQUKETHWE	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
ULWAZI LWEZINOMBOLO (UBUDLELWANO)				
1.4 Chaza, qhathanisa bese uchela izinombolo (Khomba bese uchaza izinombolo eziphele)	<p>Uhla lwezinombolo: 1</p> <ul style="list-style-type: none"> Khomba bese uchaza izinombolo eziphele kufika ku – 1. <p>Qhathanisa iqoqo lezinto ezimbili ozinikwe ukuthi:</p> <ul style="list-style-type: none"> Okukhulu nokuncane Okukhulu ngokuthe xaxa kanye nokuncanyana Okukhulu kakhulu nokuncane kakhulu (yethula ulwazi) Hlela amaqoqo amabilii ezinto ozinikiwe kusuka kokuncane kakhulu kuya kokukhulu kakhulu kanye nokukhulu kakhulu kuya kokuncane kakhulu <p>Okungaphezulu kunokunye</p> <p>Okungaphansi kunokunye</p> <p>Okulinganayo (kuyafana)</p>	<p>Uhla lwezinombolo: 1 kuya 5</p> <ul style="list-style-type: none"> Khomba bese uchaza izinombolo eziphele-2,3, kanye noku-4 Gcizelela izinombolo-1 kuya koku-4 	<p>Uhla lwezinombolo: 1 kuya 7</p> <ul style="list-style-type: none"> Khomba bese uchaza izinombolo eziphele 5,6, no -7 Gcizelela izinombolo-1 kuya kokuy-7 	<p>Uhla lwezinombolo: 0 kuya 10</p> <ul style="list-style-type: none"> Khomba bese uchaza izinombolo eziphele-8,9,10, no-0 Gcizelela izinombolo-0 kuya e-10

INGXENYE YOKUQUKETHWE	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
Izinombolo ezisho isikhundla	<p>Thuthukisa ngokuqaphela ukufunda ngokunganakile izinombolo ezisho isikhundla: Isib. okokuqala, okwesibili, okwesithathu . . . okulandelayo, okokugcina</p> <ul style="list-style-type: none"> Kungenise ngesikhathi sezidlo nangesikhathi sokuya ngasese – owokuqala, owesibili, okokugcina, okulandelayo. 	<p>Thuthukisa ngokuqaphela ukufunda ngokunganakile izinombolo ezisho isikhundla: Isib. okokuqala, okwesibili, okwesithathu . . . okulandelayo, okokugcina</p> <ul style="list-style-type: none"> • Yethula izinombolo ezejwayelekile – eyokuqala, eyesibili, eyesithathu kuya kweyesithupha 	<p>Thuthukisa ngokuqaphela ukufunda ngokunganakile izinombolo ezisho isikhundla: Isib. okokuqala, okwesibili, okwesithathu . . . okulandelayo, okokugcina</p> <ul style="list-style-type: none"> • Gcizelela ukufundwa ngokunganakile izinombolo ezejwayelekile ngesikhathi sokuya ngasese. • Kusebenzise futhi ngesikhathi kufundwa isifundo sokuthuthukiswa kwezicubu zomzimba • Nangesikhathi sokuthuthukiswa kwezicubu zomzimba nangesikhathi sokufunda ezobuciko. 	<p>Thuthukisa ngokuqaphela ukufunda ngokunganakile izinombolo ezisho isikhundla: Isib. okokuqala, okwesibili, okwesithathu . . . okulandelayo, okokugcina</p> <ul style="list-style-type: none"> • Gcizelela ukufundwa ngokunganakile izinombolo ezejwayelekile ngesikhathi sokuya ngasese. • Gcizelela ukufundwa ngokunganakile izinombolo ezejwayelekile ngesikhathi sokuya ngasese. • Kusebenzise futhi ngesikhathi kufundwa isifundo sokuthuthukiswa kwezicubu zomzimba • Nangesikhathi sokuthuthukiswa kwezicubu zomzimba nangesikhathi sokufunda ezobuciko.
1.6 Amaqhinga okuxazulula izinkinga (Sebenzisa lamaqhinga namasu alandelayo)	<p>SEBENZISA AMAQHINGA ESIWWENI ESEJWAYELEKILE UKUXAZULULA IZINKINGA:</p> <p>Sebenzisa lamaqhinga alandelayo</p> <ul style="list-style-type: none"> Izinsiza kusebenza eziphathekayo, Isib. izivalo zamabhoodla, amtshe njil 	<p>Sebenzisa lamaqhinga alandelayo</p> <ul style="list-style-type: none"> Izinsiza kusebenza eziphathekayo, Isib. izivalo zamabhoodla, amtshe njil 	<p>Sebenzisa lamaqhinga alandelayo</p> <ul style="list-style-type: none"> Izinsiza kusebenza eziphathekayo, Isib. izivalo zamabhoodla, amtshe njil Ishadi lesitebhisi sezinombolo 	<p>Sebenzisa lamaqhinga alandelayo</p> <ul style="list-style-type: none"> Izinsiza kusebenza eziphathekayo, Isib. izivalo zamabhoodla, amtshe njil Ishadi lesitebhisi sezinombolo

INGXENYE YOKUQUKETHWE	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.7 Ukuhlanganisa nokususa (Kukhulunywa kuxazululwa izinkinga zezibalo zamagama (zengxoxo) uchaze izixazuluo kufaka lokhu okulandelayo: Ukuhlanganisa nokususa okufaka izimpendulo kufinyelela e – 10)	<ul style="list-style-type: none"> Sebenzisa izinsiza kubala ubuye uxazulule izinkinga ezifaka lezinombolo: 2, 3 kanye 4. Gcizelela ukuxazululwa kwezinkinga ezifaka lezinombolo:1 kuya kokwi –4 	<ul style="list-style-type: none"> Sebenzisa izinsiza kubala ubuye uxazulule izinkinga ezifaka lezinombolo: 5 , 6, kanye ne – 7 Gcizelela ukuxazululwa kwezinkinga ezifaka lezinombolo:1 kuya kokwi – 7 	<ul style="list-style-type: none"> Sebenzisa izinsiza kubala ubuye uxazulule izinkinga ezifaka lezinombolo: 8, 9, 10 kanye no – 0 Gcizelela ukuxazululwa kwezinkinga ezifaka lezinombolo: 1 kuya e – 10 	

INGXENYE YOKUQUKETHWE	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.11 Imali	<p>Imali</p> <ul style="list-style-type: none"> Ukuthuthukisa ulwazi lweni ewuhlweza esetshenziswa ezweni lethu eNingizimu Afrika. 20c, 50c, R1, R2, R5 Ukubona umbala nesilwane esisemalini ewuhlweza. Ukubona okufanayo nokuhulkile emalini ewuhlweza. Isibonele: umdalo wokuhlukanisa imali ngemibalwa nangobukhulu. Nikeza imali yokudala egunjini lezinto zasekhaya. 	<p>Imali</p> <ul style="list-style-type: none"> Ukuthuthukisa ulwazi lweni engamaphhepha yaseNingizimu Afrika. R10, R20, R50, R100, R200, Ukubona okufanayo nokuhulkile emalini engamaphhepha. Isibonele: umdalo wokuhlukanisa imali ngemibalwa nangobukhulu Nikeza imali yokudala egunjini lezinto zasekhaya. 	<p>Imali</p> <ul style="list-style-type: none"> Nikeza imali yokudala egunjini lezinto zasekhaya. 	
BALA USEBENZISA:	<p>1.13</p> <p>Ukuhlanganisa nokususa</p> <p>(Xazulula Ukuhlanganisa ukuhlanganisa nokuhlukanisa okuneziaxazululo ezifinyelela e – 10)</p>	<p>Xazulula izinkinga zokuhlanganisa nokususa ezinezimpendulo ezifinyelela koku – 4.</p>	<p>Xazulula izinkinga zokuhlanganisa nokususa ezinezimpendulo ezifinyelela koku – 7.</p>	

IZIBALO IBANGA R

Izinhlobo zezinkinga zeBanga R

Izinkinga ezisetshenziswa kubafundi beBanga R kumele zisebenzise kuphela izinto ezitholakala ekilasini, isib. Izinto zokubala, abantwana , izicathulo, kodwa hhayi lezizibonelo, amaswidi, onogwaja, izimbali njll. Akubona bonke abantwana abasebancane abangenza sengathi izinto zokubala noma iminwe ingaba onogwaja – badinga izinto uqobo.Uthisha angasebenzisa kuphela izithombe engxenyeni yesibili yonyaka.Izinto eziphathuka yo kufanele ukuba sihlale zitholakala/ zikhona – izithombe ngezokwengeza, akuzona ezokubamba isikhundla sezinto eziphathekayo. Izinti zokubala uthisha angazisebenzisa uma engenazo izinsiza ezanele.

Lezinkinga ezilandelayo ziveza izinhlobo zezinkinga, kanti kumele zishintshwe uthisha ukuze zilungele izinga lokuqonda kwabafundi.

Ukwenza amaqoqo

Lapha kunamakhekhe 8 (uthisha upakisha izinto zokubala 8, noma akhombise isithombe samakhekhe ayisishiyag-lombili.) UNobuhle uthola amaklhekhe amabili nsukuzonke. Uzothola amakhekhe amangaki usuku ngalunye?

Ukwabelana

Kunamakhekhe ayisithupha. (uthisha upakisha izinto zokubala eziyisithupha, noma akhombise isithombe samakhekhe ayisithupha.) izingane ezintathu kumele zabelane ngalamakhekhe ukuze bonke bathole amakhekhe anenani elilinganayo. Iyinye ingane izothola amakhekhe amangaki?

Ukuhlanganisa, ukususa, ukuhlanganisa ngokuphindelela

Izingane ezimbili zinamehlo amangaki?

izingane ezine zinezindlebe ezingaki?

isandla esisodwa sineminwe emingaki?

izandla ezimbili zineminwe emingaki?

ULinda unezinto zokubala eziyisithupha.Wanika uSihle izinto zokubala ezimbili.Zingaki izinto zokubala asenazo manje?

Uthisha kufanele azihlanganise izinkinga zezibalo zansukuzonke.Kumele baqhubeke isibalo sezinombolo abazise-benzisayo ezinkingeni zezibalo Bangavele bacabange ukuthi abafundi angeke bakhone ukwenza izibalo ngezinombolo ezinkulu

ULWAZI JIKELELE LWEBANGA R 2. AMAPHETHINI NEMISEBENZI		ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
ULWAZI					
2.1 Amaphethini okusazibalomdwebo (Kopela ukhulise amaphethini alula aphindaphindayo usebenzisa izinto eziphathetekayo kanye nemidwebo.) (Qamba awakho amaphethini aphindaphindayo)	<ul style="list-style-type: none"> Khomba amaphethini empahleni, ezintweni kanye nase nhlalweni yendawo. Kopela uqedele amaphethini. Kopela, qedela bese ugamba awakho amaphethini omsindo / umculo otalelwayo. Kopela iphethini oyinikiwe usebenzisa imali ewuhlwenza Kopela amaphethini oyinikiwe usebenzisa imali ewuhlwenza Kopela, andisa bese ugamba awakho amaphethini anezithombe. Diala umdlalo wamaphethini (gxa / hop scotch) 	<ul style="list-style-type: none"> Kopela, qedela bese ugamba awakho amaphethini. Kopela iphethini oyinikiwe usebenzisa imali ewuhlwenza 	<ul style="list-style-type: none"> Kopela, andisa bese ugamba awakho amaphethini omsindo / umculo otalelwayo. Kopela amaphethini oyinikiwe usebenzisa imali ewuhlwenza 	<ul style="list-style-type: none"> Kopela, andisa bese ugamba awakho amaphethini omsindo / umculo otalelwayo. Kopela amaphethini oyinikiwe usebenzisa imali ewuhlwenza 	<ul style="list-style-type: none"> Kopela, andisa bese ugamba awakho amaphethini omsindo / umculo otalelwayo. Kopela amaphethini oyinikiwe usebenzisa imali ewuhlwenza

ULWAZI JIKELELE LWEBANGA R			
3. INDAWO NESIMO (JIYOMETRI)			
ULWAZI	ITHEMU 1	ITHEMU 2	ITHEMU 3
3.1 isikhundla indawo nokubukeka kwayo Chaza isimo ezinhlangothi nitathu ngokuhlobana kwaizo (Isib.ngaphambili nangemuva)	<p>Ubudlelano nendawo akuyo Ukuma kwezinto ngazimbili nangaphezelu kunendawo umfundii akuyo.</p> <ul style="list-style-type: none"> Ngaphambi kwenye nasemuva Ngaphezu,phezu kwe,ngaphansi kanye nangaphansi Phakathi kanye nangaphandle Ngenhla nangezansi Eduze kwe kanye naphakathi. <p>Ukubaluleka kwemidlalo yaphandle.Kungasetshenziswa kwejangijimu ukugcizela: Isib. zazo</p> <ul style="list-style-type: none"> Ulwazi iwezbalo Ubuciko bokuzenzela Ukuthuthukiswa kokunyakaza komzimba 	<p>Ubudlelano nendawo akuyo Ukuma kwezinto ezimbili nangaphezelu kunendawo umfundii akuyo.</p> <ul style="list-style-type: none"> Ngaphambi kwe kanye nasemuva Ngaphezu,phezu kwe;ngaphansi kanye nangezansi Eduze kwe Phakathi nendawo Kwesobunxele kanye nesokudla umsebenzi wepeksibodi. <p>Ukunikeza imiqondoo eyahlukene nyezinto,Isib.unodoli,indlu ngaphambili,ngasemuva,</p> <ul style="list-style-type: none"> Ngaphambi kwe kanye nasemuva phezu kwe; ngaphansi kanye nangezansi phezulu kanye nargaphansi eduze kwe;okuphakathi kwezinto kanye nokumaphakathi Kwesobunxele kanye nesokudla. 	<p>Ubudlelano nendawo akuyo Ukuma kwezinto ezimbili nangaphezelu kunendawo umfundii akuyo.</p> <ul style="list-style-type: none"> Ngaphambi kwe.. kanye nasemuva Phezu kwe...ngaphansi nom ngezansi ngaphezelu kwe.. nangaphansi kwe.. eduze kwe;okuphakathi kwezinto kanye nokumaphakathi Kwesobunxele kanye nesokudla. <p>Ubudlelano bezinto ezimbili nangaphezelu ngokwezikhunda zazo</p> <ul style="list-style-type: none"> Ngaphambi kwe kanye nasemuva phezu kwe; ngaphansi kanye nangezansi phezulu kanye nargaphansi eduze kwe;okuphakathi kwezinto kanye nokumaphakathi Kwesobunxele kanye nesokudla. <p>Inkombandela-phambili/emuva</p> <ul style="list-style-type: none"> Ishadi lemicibisholo Ukweqa izinto eziyinqinamba – ulalendela imiyalelo Imisebenzi yokuthuthukiswa kwezicubu zomzimba kanye nomculo
			<p>Inkombandela-phambili/emuva</p> <ul style="list-style-type: none"> Ishadi lemicibisholo Ukweqa izinto eziyinqinamba – ulalendela imiyalelo Imisebenzi yokuthuthukiswa kwezicubu zomzimba kanye nomculo

ULWAZI	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
3.2 Izinto ezinhlangothi ntathu (3-D) (Bona,khomba uphinde usho izinto ezinhlangothi ntathu elikasini: a) amabholo b) Amabhokisi	<ul style="list-style-type: none"> Amabholo:yethula ubuye udiale ngamabholo. amabhokisi: yethula ubuye udiale ngamabhhokisi 	<p>3.2 Izinto ezinhlangothi ntathu (3-D)</p> <p>Chaza,hela ubuye uqathanise izinto ezinhlangothi ntathu 3-D nezimo ezinhlangothimbili 2-D ngoloku:</p> <ul style="list-style-type: none"> Ngenisa ishad ikuuqqa (ukuuqqa amathoyisi) Ubungako: hela izinto ezinhlangothi ntathu Umbala: hela izinto ezinhlangothi mbili nantathu ngokwemibala eyisisekelo Izimo: hela izinto ezinhlangothi mbili nantathu ngokwezimo. a)ubungako (okukhulu / okuncane) b) a umbala (obomvu, oluhlaza okwesibhakabhabka, oliphuzi, oluhlaza okusatishani) c)izimo (indilinga, unxantathu, isikweli, unxande) d)izinto eziginqikayo e)izinto ezishelelayo 	<ul style="list-style-type: none"> Hela ngokufana nangokuhluuka kwezinto Ubungako: hela ngobungako bezinto ezinhlangothi ntathu Umbala: hela izinto ezinhlangothi ntathu kanye nezimo ezinhlangothi mbili ngokwemibala. Izimo: hela izinto ezinhlangothi ntathu kanye nezimo ezinhlangothi mbili ngokwezimo. 	<ul style="list-style-type: none"> Ubungako: hela ngobungako bezinto ezinhlangothi ntathu umbala: hela izinto ezinhlangothi ntathu kanye nezimo ezinhlangothi mbili ngokwemibala. Izimo: hela izinto ezinhlangothi ntathu kanye nezimo ezinhlangothi mbili ngokwezimo.

ULWAZI	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
Yakha izinto ezinhlangothi ntathu 3-D usebenzisa izinto eziphathekayo (Isib.anabhuholi okwakha)	<p>Okuqhubebekayo</p> <ul style="list-style-type: none"> Nikeza abafundi amabloki Okwakha nanoma eziphi izinto zokudlala nhokwakha ngesikhathi sokudlala ngokukhuleuka nsuku zonke Abafundi badlala ngamabloki okwakha 	<p>Okuqhubebekayo</p> <ul style="list-style-type: none"> Nikeza abafundi amabloki Okwakha nanoma eziphi izinto zokudlala nhokwakha ngesikhathi sokudlala ngokukhuleuka nsuku zonke Abafundi badlala ngamabloki okwakha Abafundi bakha izakhwi zabo ngokukopela kwisibonelo sesakhwi abasinkeziwe. Kopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe. Gcizelela ukukopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe. 	<p>Okuqhubebekayo</p> <ul style="list-style-type: none"> Nikeza abafundi amabloki okwakha nanoma eziphi izinto zokudlala nhokwakha ngesikhathi sokudlala ngokukhuleuka nsuku zonke Abafundi bakha izakhwi zabo ngokukopela kwisibonelo sesakhwi abasinkeziwe. Kopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe. Gcizelela ukukopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe. 	<p>Okuqhubebekayo</p> <ul style="list-style-type: none"> Nikeza abafundi amabloki okwakha nanoma eziphi izinto zokudlala nhokwakha ngesikhathi sokudlala ngokukhuleuka nsuku zonke Abafundi bakha izakhwi zabo ngokukopela kwisibonelo sesakhwi abasinkeziwe. Kopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe. Gcizelela ukukopela isimo sokwakha esifanayo ususela kumdwewebo othize noma isithombe.
3.3 Izimo ezinhlangothi mbili (2-D)	<p>Bona,khomba uphinde usho izinto ezinhlangothi mbili ekilasini nasezithombeni kufaka:</p> <ol style="list-style-type: none"> izimpawu zabafundi igama eikilasi <p>Akhiwa kanjani amaphazile ngobuncane obuwu:</p> <ol style="list-style-type: none"> (ithemu 1: izingcezu eziyi- 6) (ithemu 2: izingcezu eziyi-12) (ithemu 3: izingcezu eziyi-18) (ithemu 4: izingcezu eziyi-24) 	<p>uvumela abafundi ukuzikhela amakhadi anezimpawu ngosuku lokuqala.</p> <ul style="list-style-type: none"> Khombisa uphawu / isithombe somfundsi esikhathini esiyizinyanga ezi-3 zokuqala onyakeni. Yethula igama lekilasi ngokuseberiza isithombe noma igama lembali / ithoyizi. Bhala igama likathisha emnyangweni wekilasi. Bhala okukhombisa iBanga (iBanga -R) 	<p>Ngezinyanga ezintathu zokuqala onyakeni khangisa izimpawu / amagamalizithombe zabafundi.</p> <p>Kuyaqhubecka</p>	<p>Ngezinyanga ezintathu zokuqala onyakeni khangisa zokugcina zonyaka khangisa amagama abafundi.</p> <p>Kuyaqhubecka</p>
Yakha izinto ezinhlangothi ntathu 3-D usebenzisa izinto eziphathekayo (Isib.anabhuholi okwakha)	<p>Amaphazili (ayaqhubecka)</p> <ul style="list-style-type: none"> Nikeza abafundi izinhlobo nhlobo zamaphazili ngesikhathi sokudlala ngokukhuleuka nsuku zonke Kufanele abafundi baqede okungenani izingcezu eziyi-18 ekupheleni kwethemu -2 Benza baqede amaphazili abo anizingcezu ezi -4 	<p>Amaphazili (ayaqhubecka)</p> <ul style="list-style-type: none"> Nikeza abafundi izinhlobo nhlobo zamaphazili ngesikhathi sokudlala ngokukhuleuka nsuku zonke Kufanele abafundi baqede okungenani izingcezu eziyi-12 ekupheleni kwethemu -2 Benza baqede amaphazili abo anizingcezu eziyi-6 	<p>Amaphazili (ayaqhubecka)</p> <ul style="list-style-type: none"> Nikeza abafundi izinhlobo nhlobo zamaphazili ngesikhathi sokudlala ngokukhuleuka nsuku zonke Kufanele abafundi baqede okungenani izingcezu eziyi-18 ekupheleni kwethemu -3 Benza baqede amaphazili abo anizingcezu ezi -5 	<p>Amaphazili (ayaqhubecka)</p> <ul style="list-style-type: none"> Nikeza abafundi izinhlobo nhlobo zamaphazili ngesikhathi sokudlala ngokukhuleuka nsuku zonke Kufanele abafundi baqede okungenani izingcezu eziyi-18 ekupheleni kwethemu -3 Benza baqede amaphazili abo anizingcezu ezi -5

ULWAZI	I THEMU 1	I THEMU 2	I THEMU 3	I THEMU 4
3.3 Ukubona izinto ngokuqonda phakathi kwezinye Okusazibalomdwebo a) indilinga b) unxantathu c) isikwele d) unxande e) ukulondolozwa kwezimo (isimo esingashintshi)	<ul style="list-style-type: none"> Fundisa ukubona izinto ngokuqonda phakathi kwezine (yethula- "ngibona ngamehlo ami amancane") Gcizelela indilinga. Yethula indilinga. Yethula unxantathu Yethula isikwele 	<ul style="list-style-type: none"> Gcizelela ukubona izinto ngokuqonda phakathi kwezinye ngokwenza imisebenzi yokuhela, imisebenzi yokuhathanisa nokwenza amaqoqo kanye nokuqqa Gcizelela unxantathu Ukulondolozwa kwezimo (isimo esingashintshi unxantathu) 	<ul style="list-style-type: none"> Gcizelela ukubona izinto ngokuqonda phakathi kwezinye ngokwenza imisebenzi yokuhela, imisebenzi yokuhathanisa nokwenza amaqoqo kanye nokuqqa Gcizelela isikwele Ukulondolozwa kwezimo (izimo esingashintshi ezifundiwe) 	<ul style="list-style-type: none"> Gcizelela ukubona izinto ngokuqonda phakathi kwezinye ngokwenza imisebenzi yokuhela, imisebenzi yokuhathanisa nokwenza amaqoqo kanye nokuqqa Gcizelela indilinga, unxantathu, isikwele kanye norxande. Ukulondolozwa kwezimo (izimo esingashintshi ezifundiwe)
3.4 Okufana nse nxazombili (Ukubona umugqa ohlukanisa kabili kuyena kufane nse kanye nezinjo ezsendaweni aphila kuyo.)	<ul style="list-style-type: none"> Abafundi bafunda ngezicubu zomzimba (uzibale), Khanda, amehlo, ikhala, umlomo isilevu, amahlombe, ingalo, isandia, iminwe, isifuba, umlenze, idolo, unyavo, izinzwane Ulmzimba unezinlangithi ezimbili Gcizelela ukuthi umzimba unezinlangothi ezimbili, olunye uhlangothi lungakwesokudla olunye ngakwesonxole Kufundwa izibalongo kubala okungenhla kungenziwa ngesikhathi sesifundo sokuthuthukisa izicubu zomzimba, Kusetshenziswa imilolozelo namaculo . 	<ul style="list-style-type: none"> Kufundwa izibalo kuphanjaniswe izandla ngesikhathi sesifundo sokuthuthukisa izicubu zomzimba 	<ul style="list-style-type: none"> Kufundwa izibalo kweqiwa ulayini ebhodini ngesikhathi sesifundo sokuthuthukisa izicubu zomzimba Kufundwa izibalo ngokubala ngesikhathi samafundo sakhono empilo (ukunyakazisa umzimba) Kusetshenziswa imilolozelo namaculo . Ngesikhathi sobuciko bokwenza 	<ul style="list-style-type: none"> Thuthukisa ulwazi lwezinto ezifana nse nxazombili. Kufundwa izibalo ngokubala ngesikhathi samafundo sakhono empilo (ukunyakazisa umzimba)

ULWAZI		4. ISILINGANISO		ITHEMU 4	
ITHEMU 1		ITHEMU 2		ITHEMU 3	
4.1 Isikhathi: Chaza isikhathi sosuku ngemini nobusuku: Ukulandelana kwezehlakalo ezenzekayo ezimpilweni zabo.	<ul style="list-style-type: none"> Abafundi bafunda ukugonda isikhathi: ngemini nobusuku, ngokukhanya / nobumnyama Ekuseni, ntambama, ebusuku - (betunda benganakile uma kufundwa ishadi lesimo sezulu) 	<ul style="list-style-type: none"> Ukuthulwa kohlelo Iwansukuzonke <ul style="list-style-type: none"> Abafundi bafunda ngokuhlela izehlakalo zosuku. Kukhangiswa izithombe kusukeka kwesonxele kuya kwesokudla ukuthuthukisa ukufunda ngezininkomba. Umholi wosuku ugudluwa umcibisholo ohiakeni Iwansukuzonke ngokuhubeka kwemisebenzi yosuku. 	<ul style="list-style-type: none"> Ukuthulwa kohlelo Iwansukuzonke <ul style="list-style-type: none"> Kugcizelelwaa ukuhlelwaa kwezehlakalo zosuku ngokohlaka Iwansukuzonke. 	<ul style="list-style-type: none"> Ukuthulwa kohlelo Iwansukuzonke <ul style="list-style-type: none"> Kugcizelelwaa ukuhlelwaa kwezehlakalo zosuku ngokohlaka Iwansukuzonke. 	<ul style="list-style-type: none"> Ukuthulwa kohlelo Iwansukuzonke <ul style="list-style-type: none"> Kugcizelelwaa ukuhlelwaa kwezehlakalo zosuku ngokohlaka Iwansukuzonke.
a) Uhelo Iwansukuzonke b) Ishadi lesimo sezulu	<ul style="list-style-type: none"> Ukuthulwa kohlelo Iwansukuzonke <ul style="list-style-type: none"> Abafundi bafunda ngokuhlela izehlakalo zosuku. Kukhangiswa izithombe kusukeka kwesonxele kuya kwesokudla ukuthuthukisa ukufunda ngezininkomba. Umholi wosuku ugudluwa umcibisholo ohiakeni Iwansukuzonke ngokuhubeka kwemisebenzi yosuku. 	<ul style="list-style-type: none"> Fundisa ishadi lesimo sezulu (nsukuzonke) <ul style="list-style-type: none"> Uthisha usiza abafundi ukusho usuku, ilanga nenyanga besebenzisa imilozezo, izingqwembe zamagama kukhangiswe izimpawu nalebuli ekhalendeni yesonto Qaphela ngokufundwa kwestikhathi. Khombisa izinsukuzokuzalwa, zokuvakasha, izinsuku ezikhethelile, izinsuku zokuphumula Sebenzisa iculo ukuhlela izinyangga zonyaka ngeculo 	<ul style="list-style-type: none"> ishadi lesimo sezulu (nsukuzonke) <ul style="list-style-type: none"> Uthisha usiza abafundi ukusho usuku, ilanga nenyanga besebenzisa imilozezo, izingqwembe zamagama kukhangiswe izimpawu nalebuli ekhalendeni yesonto 	<ul style="list-style-type: none"> ishadi lesimo sezulu (nsukuzonke) <ul style="list-style-type: none"> Uthisha usiza abafundi ukusho usuku, ilanga nenyanga besebenzisa imilozezo, izingqwembe zamagama kukhangiswe izimpawu nalebuli ekhalendeni yesonto 	<ul style="list-style-type: none"> ishadi lesimo sezulu (nsukuzonke) <ul style="list-style-type: none"> Uthisha usiza abafundi ukusho usuku, ilanga nenyanga besebenzisa imilozezo, izingqwembe zamagama kukhangiswe izimpawu nalebuli ekhalendeni yesonto

ULWAZI	THEMU 1	THEMU 2	THEMU 3	THEMU 4
4.1 Isikhathi: a) izinsuku zesonto b) Ishadi izikhathi zonyaka	<ul style="list-style-type: none"> • Izinsuku zesonto <p>- Uthisha ufundisa abafundi izinsuku zesonto esebeenzisa amaculo noma imilozezo.</p> <p>- Sebenzissa iculo ukuhlela izinsuku zesonto</p> <ul style="list-style-type: none"> • Ishadi izikhathi zonyaka <p>- Yethula ishadi ukukhombisa izikhathi zonyaka:</p> <ul style="list-style-type: none"> o Ihlobo o Ikwindla o Ubusika o intwahlobo 	<ul style="list-style-type: none"> • Izinsuku zesonto (kuyaqhubeka) <p>- Uthisha ufundisa abafundi izinsuku zesonto esebeenzisa amaculo noma imilozezo nsukuzonke uma kuxoxwa ngesimo sezulu.</p> <ul style="list-style-type: none"> • Ishadi izikhathi zonyaka <p>- umcibisholo okhomba isikhathi sonyaka uyashintsha uma kushintsha iskhathi sonyaka.</p> <ul style="list-style-type: none"> - Ngosuku lokuqala esikoleni emuva kwamaholidi abafundi baxoxa ngabakwenzile ngesikhathi samaholidi 	<ul style="list-style-type: none"> • Izinsuku zesonto (kuyaqhubeka) <p>- uncibisholo okhomba isikhathi sonyaka uyashintsha uma kushintsha iskhathi sonyaka.</p> <ul style="list-style-type: none"> - Ngosuku lokuqala esikoleni emuva kwamaholidi abafundi baxoxa ngabakwenzile ngesikhathi samaholidi <ul style="list-style-type: none"> • Ishadi izikhathi zonyaka <p>- umcibisholo okhomba isikhathi sonyaka uyashintsha uma kushintsha iskhathi sonyaka.</p> <ul style="list-style-type: none"> - Ngosuku lokuqala esikoleni emuva kwamaholidi abafundi baxoxa ngabakwenzile ngesikhathi samaholidi <ul style="list-style-type: none"> • Ishadi izikhathi zonyaka <p>- thuthukisa ulwazi lwabafundi lokwazi izinto okufanele bazenze uma bevuka kuze kufike isikhathi sokuya esikoleni</p> <ul style="list-style-type: none"> - thuthukisa umfundi ,ngesikhathi sesidlo sasebusuku kanye nesokulala. <ul style="list-style-type: none"> • Yethula ishadi lezinsuku zokuzalwa • Abafundi kufanele bazi iminyaka yabo • Thuthukisa uqwashise ngokufundwa kwezininkombandela • Abafundi kufanele bazi izinsuku zokuzalwa kwabo (usuku nenyanga) 	<ul style="list-style-type: none"> • Izinsuku zesonto (kuyaqhubeka) <p>- uncibisholo okhomba isikhathi sonyaka uyashintsha uma kushintsha iskhathi sonyaka.</p> <ul style="list-style-type: none"> - Ngosuku lokuqala esikoleni emuva kwamaholidi abafundi baxoxa ngabakwenzile ngesikhathi samaholidi <ul style="list-style-type: none"> • Kuyaqhubeka

ULWAZI	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
4.2 Ubude	<p>Qhathanisa uholele izinto eziphathekayo usebenzisa ulwazi magama ukuchaza ubude</p> <ul style="list-style-type: none"> Okude nokufishane, okude ngokuthe xaxa, okude kahulu (bebuka) Fundisa ngobude Ishadi lokukala ubude kusetsenziswa izandia / izinyawo Fundissa ishadi lokukala ubude - usebenzisa izandia (bebona futhibefunda benganakile - Sebenzisa izinyawo ukukala (bebona futhibefunda benganakile). - Kala usebenzise isikali bude (bebona futhibefunda benganakile) - kude, kufishane, Kudana, kufishane - Kuphakeme, kupha - keme kakhudiwana, kuphakeme kakhlulu (okubonakalayo) - ukuqagela 	<p>Ubude</p> <ul style="list-style-type: none"> Okude kakhulu kanye nokufishane kakhulu, okude ngokuthe xaxa kanye nokufishane kunokunye. (Sebenza ngobude) Gcizelela okufundwe ngobude ubude ukubheka ukukhula kwabafundi. <p>(<i>abatundi baqhathanisa ubude babo nezinto ezisekilasini Isib. ikhabethe</i>)</p>	<p>Ubude</p> <ul style="list-style-type: none"> Qagela ubude bezinto eziphathekayo ezahlukene. Qagela bese ukala ubude bezinto ezahlukene: Isib. Usebenzisa izandia, izinyawo, isinqamu sentambo njil. 	<p>Ubude</p> <ul style="list-style-type: none"> Kala ubude babafundi usebenzisa intambo yokukala (<i>shintsha izandia ngentambo yokukala</i>)

ULWAZI	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
4.3 Iisisindo Qhathanisa uholele izinto usebenzise ulwazi lamagama ukuchazza lokhu okulandelayo: a) Okulula, okusindayo b) Okulula kakhulu nokusinda kakhulu c) Qhubeka ukale ngesikhathi sokudala ngamanzini nenhabathi		Iisisindo <ul style="list-style-type: none">• Fundisa abafundi ngesisindido ngokuhathannisa izisindo zezinto eziphathetekayo ezahlukene lsib.<ul style="list-style-type: none">- Okulula / okusindayo<ul style="list-style-type: none">- Okulula kakhulu /okusinda kakhulu• Gcizelela ukufundwa kwesisindo. (Okulula kakhulu /okusinda kakhulu)		
	4.4 Umthamo Qhathanisa uholele izinto usebenzise ulwazi lamagama ukuchazza lokhu okulandelayo: a) Okungenalutho, okugcweli, b) okuningi, okuncane c) okuncane kunokunye, okungaphetzulu kunokunye, d) Qhubeka ukale ngesikhathi sokudala ngamanzini nenhabathi		Umthamo <ul style="list-style-type: none">• Fundisa abafundi ukukala umthamo ngokuhathannisa umthamo wezitsha ezinhlobonhlobo lsib.- okungenalutho /okugcweli"<ul style="list-style-type: none">- "okuningi kunokunye/okuncane kunokunye"- Okuningi/okuncane<ul style="list-style-type: none">• Kughubeka ngesikhathi somdlalo wesihabathi namanzi.	

ULWAZI JIKELELE LWEBANGA R: 5. UKUQOKELEWA NOKUHLELWA KOLWAZI LWEZIBALO				
ULWAZI	THEMU 1	THEMU 2	THEMU 3	THEMU 4
5.1 Qoqa uholele izinto Qoqa ulwazi Qoqa izinto eziphathhekayo zohlobo oluiodwa (eyedwa noma eyilunga leqembu noma laBangani) isib. Amaqabunga ayishumi, izimo ezilishumi	<ul style="list-style-type: none"> Yethula ulwazi lokugoqwa kolwazi ngokuqoqa ulwazi isib, mangaki amantombazana, Bangaki abafana ekilasini. 	<ul style="list-style-type: none"> Qoqa izinto (izindukwana ezinobungako obungalingani) 	<ul style="list-style-type: none"> Buza umbuzo: "Ngabe amagama anezinhlavu eziyisithupha iwnona ajwayelekile?" Qoqa ulwazi ukuphendula umbuzo usebenzisa amakhadi amagama ellilandelayo isib. Oluhlaza satishani, oluhlaza njengesibhakabhaka, oliphuzi. 	<ul style="list-style-type: none"> Sebenzisa ishadi lezinsuku zakuzalwa ukuthola ukuthi ubani ozalwayo kuleyonyang'a Qoqa ulwazi kubafundi ukuthola umbala wobumba lokudala oluzosethenziswa ngesonto ellilandelayo isib. Oluhlaza satishani, oluhlaza njengesibhakabhaka,
5.2 Hiela ulwazi Hiela izinto eziphathhekayo ngokwesimo esisodwa isib. Ubungako bamaqabunga	<ul style="list-style-type: none"> Hiela izinto eziqoqiwe (izindukwana ezinobungako obehlukene) Hiela ulwazi ngokuthi abafundi benze umugga wabafana nowamantombazane 	<ul style="list-style-type: none"> Hiela izinto eziqoqiwe (izindukwana ezinobungako obehlukene) 	<ul style="list-style-type: none"> Hiela amakhadi amagama ngokwenani lwezinhlavu zamagama egameni ngalinye. Hiela ulwazi oluqoqiwe (abahamba ngezinyawo, imoto, imoto yabazali, itekisi noma ibhasi) 	<ul style="list-style-type: none"> Hiela ulwazi ngokwenyanya zakuzalwa zomfundi ngamunye Umfundsi ngamunye ukhetha ibhuloki eyodwa emele umbala wobumba lokudala ngalelosonto. Hiela ulwazi oluqoqiwe (abahamba ngezinyawo, imoto, imoto yabazali, itekisi noma ibhasi)
	<ul style="list-style-type: none"> Yeza igrafu emele izinto eziqoqiwe usebenzisa amabhuloki noma izimo. 	<ul style="list-style-type: none"> Dweba igrafu yezinto eziqoqiwe (izindukwana eziyilinganiso ezechukene) 	<ul style="list-style-type: none"> Dweba igrafu emele izinsuku zakuzalwa zabafundi inyanga ngayinye. Sebenzisa izinto eziphathhekayo ukwenza igirafu njengamabhluki, kaLegnoDuo, amakhiyubhu apakishwayo amele umbala wobumba ofisa ukulwenza isib. Oluhlaza njengesibhakabhaka, ophuзи, oluhlaza njengotshani. 	<ul style="list-style-type: none"> Dweba igrafu yezithombe emele (inani labafundi abahamba ngezinyawo, imoto, imoto yabazali, itekisi noma ibhasi)

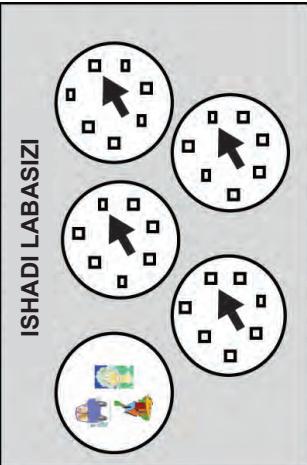
ULWAZI	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
5.3 Xoxa ngezinto ezhleliwe Funda bese uhumusha amagrafu. Baphendula imibuzo ngezithombe zabo noma izinto abazihlelle. (Isib.mangaki amaqabunga amakhulu owadweble? Amaphi amanangi, amakhulu noma amancane?)	<ul style="list-style-type: none"> Bafunda bese behumusha igirafu ngokusebenzisa ubumba lokudlala ukumeia inani labafana kanye namantombazana ekilasini. 	<ul style="list-style-type: none"> Bafunda bese behumusha igirafu besebenzisa imibuzo. 	<ul style="list-style-type: none"> Bafunda bese behumusha ngokubala inani lamakhadi ezinombolo esikhaleni ngasinye ukuze bafinyelele esiphethweni. 	<ul style="list-style-type: none"> Bafunda bese behumusha igirafu besebenzisa imibuzo. Ngokozikhethela kwabafundi umbala ozosebenza ngesonto Isib.obonvu. Funda bese behumusha igirafu (Bangaki abahamba ngezinyawo,imoto, imoto yabazali,itekisi noma ibhasi)

3.5 INCAZELO YOLWAZI LWEBANGA R

ITHEMU 1 YEBANGA R				
Isonto 1 Ukujwayeza	Izikhathi Zokufunda Eziphakanyisive: Umsebenzi kathisha olungiselelewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko Isikhathi	4.1 Ukulandelanisa izehlakalo zansuku zonke ezimpilweni zabo <ul style="list-style-type: none"> Ukwethula Uhelo Lwansuku zonke Ukuthuthukisa ukulandelana kwezehlakalo ezenziwa ngosuku. Ukubeka izithombe kusukela kwesobunxele kuya kwesokudla. Umholi weqembu uzohambisa uncibisholo uska kwesokudla uya kwesobunxele ngokuhamba kohielo losuku. Abafundi babona ukulandelana kwemisebenzi yosuku- 	Uhelo Losuku Lukhonjiswe ngezithombe	Uhelo Losuku Lukhonjiswe ngezithombe	Okwenziswa nsukuzonke emva kokwethulwa kwako
UHLELO LWANSUKU ZONKE OLUPHAKANYISIVE				
Ukfufika	Ukubizwa kwerejista, izinsuku zokuzalwa, isimo sezulu, izinda zansuku zonke	Uhelo lukathisha lwemisebenzi yekilasi, okubunjwajo, ukudweba, nokupenda, isikhathi sokudala esikhakathi ekilasini	Ukuqoqa	Umsebenzi oholwa uthisha wekilasi
Isikhathi sokudla	Ukudiala okukhululekile ngaphandle kwekilase kanye nokuqoqa	Uhelo lokuya endlini encane	Uhelo Lokuya endlini encane	Isikhathi sokuhamba

Isonto 1 Ukujwayeza	Izikhati Zokufunda Eziphakanyisive: Umsebenzi kathisha olungiselelw iklasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishihioko	<p>Amanothi:</p> <ul style="list-style-type: none"> • Ukuithulwa kolwazi kuncike esikhathini esibekiwe ohlwlweni losuku. • Uhlelo losuku ungalushintsha luvumelane nesimo , isibonelo , isikhathi sokuya endlini encane singashintshwa sibekwe kwesinye isikhathi kuya ngesimo sesikole. • Khombisa wonke amashadi ohlelo losuku uma sebekhonjiwe abafundi. • Uhlu lwamanothi achazayo awabhalie ngokulandelana kwemisebenzi yosuku , kodwa ngokwengxeny ye yowlazi.Ngakhoke kufanele unqume ilanga ozokwenza ngalo umsebenzi othini. • Kwamanye amassonto kunemisebenzi engaphezelu kwemihlanu.Uhlelo belenzewle ukuthi ubemisebenzi eminingi ongakkhetha kuyo. Akusho ukuthi kufanele uyenze yonke lemisebenzi efakiwe. 	<p>1.4 Chaza, qhathanissa bese uhlela izinombolo</p> <ul style="list-style-type: none"> • Thula uhlelo lokuya endlini encane (sebenzisa izinombolo ezisho isikhundla ukutshengisa ukulandelana ,indawo nomu isikhundla) - Fundisa ulwazi lokulandelana ohlwlweni lokuya endlini encane, isib izinombolo ezimele isikhundla (qala usebenzise indlu encane, geza izandla, vala umpompi bese usula izandia njil). - Thula ulwazi lwezinimbolo ezimele isikhundla, njengokuthi uLinda owokuqala, Jabu owesibili njalonjalo. 	<p>Emva kokuthula uhlelo lokuya endlini encane (sebenzisa izinombolo ezisho isikhundla ukutshengisa ukulandelana ,indawo nomu isikhundla)</p> <p>Indlu encane amanzi</p>	<p>Insipho, indwangu yokugeza,</p>

Isonto 1 Ukujwayeza Ishiloko	Izikhathi Zokufunda Eziphakanyisive: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto) 3.2 Izinto ezinhlangothi ntathu (3-D)	Amanothi Acacisayo • Thula ishadi lokuqoqa: - Enza amaqoqo amancane abafundi. - Gquqquzelua ukubekwa kwezinto ngendlela efanele enobunono. Hlukanisa abafundi balingane izindawo ezyiyishiyagalombili ezifuna ukuqoqwa. Iqembu ngalinye alioqe indawo ethile ngosuku bese beya kwenye ngesonto eliandelayo. Chaza , uhlele bese uqhatthanisa izinto ezinhlangothi ntathu (3-D) ngoko: • ubungako • imibala • izinto eziginqlikayo • izinto ezishibiliikayo												
Isikhathi Esilinganisiwe	Izinsiza kufundisa ezinconyiwe	Ishadi lokuqoqa												
<p>Emva kokuba uhlelo lokuqoqa seluthuliwe, kufanele lwenzwiwe zonke izinsuku.</p>	<p>Ishadi lokuqoqa</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>							<p>Ishadi lokuqoqa</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>						
														
														

Isonto 1 Ukujwayeza	Izikhathi Zokufunda Eziphakanyisive: Umsebenzi kathisha olungiselelewe iklasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishilo	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Izikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Thula ishadi labasizi nendlela okukhishwa ngayo ukudla <p>Qagela bese ubala izinto ezizothuthikisa ulwazi Iwezinombolo ngoku;</p> <ul style="list-style-type: none"> - Sebenzisa ishadi labasizi, lisiza ukukhombisa abasizi bosuku ukuze basize etafuleni ngesikhathi sokuda. - Izindilinga ezinhanu eziseshadini labasizi zimele amaqoqo amahlanu abafundi, njengokuthi kunamaqoqo anikwe amagama ngemibala: elibomvu, elliluhazaokwesibhakbhaka, eliphuzi, elisawolintshi neliluhaza rijengotshan, ungasebenzisa amagama ezithelo, ezilwane, izithuthi nokunye. - Ingane ngayinye inikwa uphawu olufakwa ngaphakathi kwe kwendilinga yeqembu nomu iqoqo. - Ngokuphendula uncibisholo osuka phakathi nendawo nesiyingi ukhombe lowo ozoba omholi weqembu. Ubuholi buyajikeleza zonke izinsuku ukuze bonke abafundi bathole ithuba lokuba abaholi. - Umholi weqembu ubala abafundi nezitsha zokudla kuye ngesibalo sabafundi abakuleloqembu ngalelolanga (okukodwa okuhambisanayo). 		Ishadi labasizi	<p>Uma ishadi labasizi sethuliwe, ukudia kuyonikwa ngalendlela zonke izinsuku.</p>	
3.3 izimo ezinhlangothi mbili (2-D)	<p>Bona, khomba, bisa ngegama izimo ezinhlangothi mbili noma izithombe ezise kilasini</p> <ul style="list-style-type: none"> - Uphawu lomfundu • Vumela umfundu ngamunye azikhetheli elakhe uphawu. <ul style="list-style-type: none"> - Lungiselela umbukiso wemidwebo onophawu lomfundu ngamunye I (ungasebenzisa isithombe sakhe umfundu). - Namathisela uphawu lomfundu ekhabetheni lakhe. - Umfundu akakhombe ikhabethi lakhe ngokubona uphawu. - Faka uphawu negama ezimpahlensi zomfundu.. - Umfundu makakhombe olwakhe uphawu kanye nalololomngane wakhe ngokudlala umdialo obagquqzeza ukukhomba amakhadi ezimpawu ezhlukene. Isibonele: Abafundi benza isilkokela uthisha eendiale zonke izimpawu bese bekhomba izimpawu zabo.. - Izithombe ezincane zabafundi zingasetshenziswa njengezimpawu, uma zikhona. - Igama lekilasi • Gugquzelu ukuthi abafundi bazi ukuthi Bangamalunga eqembu elikhulu lekilasi ngokunika igama lekilasi ,njengokuthi "Onodoli/ izimoto". <p>Igama abizwa ngalo ekilasini</p>	<p>Amakhadi anophawu lomfundu ngamunye.</p> <p>Akha izithombe zalolu phawu lo mfundi ngamunye. Amakhabethe, amabhokisi , nasenawukwini okugaxa izinto zakhe.</p> <p>Ilebuli leBanga R</p> <p>Isithombe segama lekilasi sasemnyango ilebuli elinegama likathisha nesibongo</p>	<p>Ngesikhathi abafundi befika ngosuku lokuqala</p>		

Isonto 1	Izikhathi Zokufunda Eziphakanyisive: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ukujwayeza Isihloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe

Amanothi:

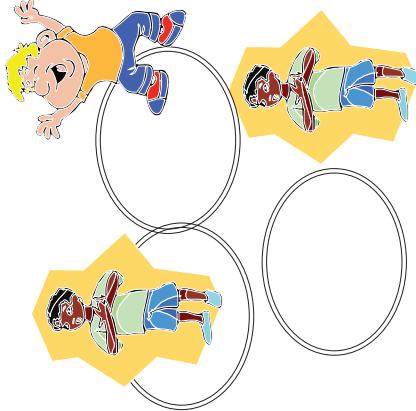
- Khombisa uphawu nomu isithombe somfundi ezinyangeni ezintathu zokuqala zonyaka.
- Khombisa uphawu nomu isithombe somfundi negama ezinyangeni ezintathu ezilandelayo.
- Khombisa igama lo mfundi kwilebuli ezinyangeni eziyisithupha zokugcina zonyaka.
- Ilebuli lekilasi , ligure lisemnyango unyaka wonke.
- Gcina ilebuli elinegama likathisha.
- Gcina ilebuli lekilasi ieBangar R

Isonto 2	Izikhathi esinconyiwe sokurunda: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ukuzijwayeza Isihloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe

1.1

Bala izinto	Qagela bese ubala izinto zansuku zonke ngokuyikho Ukubala kwansuku zonke	Amaculo nemilozelo yezinombolo
	<ul style="list-style-type: none"> Ukubala sakuhuba kusuka ku-1- 5 Cula amaculo ezinombolo nemilozelo <p>Noma abafundi befika bengazi ngolwazi lwezinombolo kwi Banga R kufanele bagquqzelweukucula amaculo nemilozelo ezinombolo babuye babale sakuhuba zonke izinsuku.</p>	Nsuku zonke

Isonto 2 Ukuziwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelw iklasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe Usuku olu-1
1.4 Isihloko Chaza, qhathanisa bese uhlela izinombolo	Qhathanisa ukuthi iliphi kulamaqoqo amabili ellkhulu nelincane Thula ulwazi lokukhulu nokuncane Ukusebenzisa umzimba <ul style="list-style-type: none"> - Abafundi bathola ulwazi lokukhulu nokuncane ngokusebenzisa imizimba yabo bazenze babe bancane bese bezinweba bazenze babekakhulu. - Abafundi abaqhathanise izandla zabo babone ukuthi ubani onesandla esikhulu, ubani futhi onesandla esincane. - Qhathanisa isandla sikathisha nesomfundii. - Qhathanisa ingalo kathisha neyomfundii. Chaza, uhlele bese uqhathanisa izinto ezinhlangothi ntathu (3-D) nezimo ezinhlangothi mbili (2-D) ngobungako bazo Ukusebenzisa izinto ezi 3-D <ul style="list-style-type: none"> - Bakha amabhola amabhola obumba amakhulu namancane - Thola izinto ezincane rezinkulu ekilasini. Faka uphawu olubomvu kulezo zinto ezinkulu bese kuthi ezincane uzifake uphawu oluphuzi. Khulumu ngokwehlukana kwenzinto ngobukhulu. - Hela izinto ngobukhulu nobuncane bazo. Sebenzisa imifanekiso nomu izithombe ezi 2-D: Sebenzisa ulwazi olusho okukhulu nokuncane gesikhathi sokwenza izinto zobuciko. <ul style="list-style-type: none"> - Buka izithombe zezinto ezinkulu nezincane. Sika lezi zithombe. - Abafundi abadwebe izandla zabo ephepheni bese belisika la maphepha ezzandla. Thatha iphepha lesandla elliodwa ulibeka phezulu kwelinye. Buka ukuthi ubani onesandla esikhulu kunomunye. - Hlukanisa iphepha ka -2. - Namathisela zonke izinto ezincane kwingxeye eyodwa yephepha, bese unamathisela izinto ezinkulu kule enye ignxene yephepha. 			

Isonto 2 Ukuziwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelw iklasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe Usuku olu-1
3.1 Isikhundla, isimo nokubukeka kuento.	<p>Chaza eyodwa noma ezimbala izinto ezingonhlangothi ntathu uma uziqhathanisa enye kwenye ngaphakathi nangaphandle</p> <p>Ukusebenzaisa umzimba</p> <ul style="list-style-type: none"> - Nika umfundsi ngamunye ihla huphu. Uthisha uzobabonisa abafundi ngokudlala ebe esho amagama athi “phakathi phandle”. Kufanele bagxume bangene phakathi babuye bagxume baphume ngokomyalelo kathisha. - Ina ngomlenze owoدوا ngaphakathi kwihiula hupha kutti omunye umlenze ungaphandle kwehula hupha. - Thathha ibhokisi , abafundi abagxume bangene phakathi baphinde bagxume baphume. Abafundi abasho ukutti uphakathi noma ungaphandle. - Gxuma ungene phakathi ethayini uphinde ugxmme uphume .Lokhu kuyisifundo sokunyakazisa umzimba. - Gxuma ungene phakathi uphinde ugxmme uphume kwihiula huphu ubi uvale amehlo. <p>Ukusebenzisa izinto ezi3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Babeke udoli phakathi babuye bawukhiphe embheseni. - Phosa ibhola kwihiula hupha noma ethayini. - Sebenzisa ubumba ulwenzze ibhola bese uyalicindezel lube isicaba, ulwenzze lube isidleke semyon. Sebenzisa ubumba ukwenza amaqanda amancane ozowafaka ubuya uwakhiphe esidlekeni ngokomyalelo kathisha. <p>Ukusebenzisa imifanekiso noma izithombe ezi 2-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Babuke izithombe bathole ukuthi Bangazisebenzisa kanjani ukukhuluma ngokungaphakathi nokungaphandle. - Abadwebe bona bengaphakathi nalapho bengaphandle kwezinto ezithize. 			

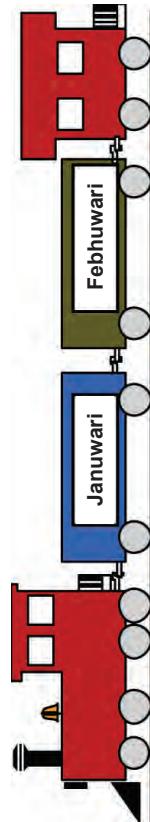
Isonto 2 Ukuzijwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelw iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko 3.2 izinto ezinhlangothi ntathu usebenzisa izinto eziphathekayo • Bheka izindlela ezahlukene zokusebenzisa amabhuloki ngesikhathi sikudala okukhululekile.	<p>Akha izinto ezinhlangothi ntathu usebenzisa izinto eziphathekayo</p> <ul style="list-style-type: none"> • Bheka izindlela ezahlukene zokusebenzisa amabhuloki ngesikhathi sikudala okukhululekile. <ul style="list-style-type: none"> - Umsebenzi kathisha ukusiza ukuqhuba lomdalo. - Ukuhheka izindlela zokusiza abafundi basebenzise amabhulok i ukwenza okuvundile njengesicaba nalokho okusuka pnezulu kuya phansi (umbhoshongo). - Hela bese ulandelanisa amabhuloki ahlukene ngokuwabeka ngokwesimo. - Hela bese ulandelanisa izimo ezaahlukene ngokuzibeka ngobukhulu. - Hela amabhuloki ngobukhulu; amancane namakhulu ngokuhukana. - Umfundu ngamunye uthola amabhuloki amathathu angunxande awabeke ngezindlela ezahlukene ningokuwabeka enze ulayini, awabeke aye phezulu njalonjalo. Abafundi Bangaqhathanisa futhi bakopele kwabanye izindlela zokubeka amabhuloki. - Khuthaza abafundi bapakishe amabhuloki ngendlela ebhaliwe eshalofini lawo ngokuwaqondanisa nomugqa ofanayo. 	<p>Amabhuloki awapakishe eshalofini elikhombisa uhlilo lwawo ngasemuva. Izinsiza kufundisa azibe ziningi njenge zithombe ezincane zezmoto, zeziwane, izimpawu zomgwaoqo nokunye kuhalie kukhona.</p>	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Amabhuloki awapakishe eshalofini elikhombisa uhlilo lwawo ngasemuva. Izinsiza kufundisa azibe ziningi njenge zithombe ezincane zezmoto, zeziwane, izimpawu zomgwaoqo nokunye kuhalie kukhona.</p>	<p>Usuku olu-1 bese ukuphind ngesikhathi sokwenza imidalo ekhulekile nsukuzonke</p>

Isonto 2 Ukuzijwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>3.2 izinto ezinhlangothi ntathu (3-D)</p> <p>Chaza, hlela bese uqhathania isinto ezinhlangothi ntathu 3-D nezimo ezinhlangothi mbili 2-D ngokwemibala engaxutshiwe: obomvu, ophuzi, oluhlaza okwesibhakbhaka.</p> <p>Khombisa umbala owodwaa ngesikhathi.</p> <p>Ungakhombisi umbala kwisimo esisodwa kuphetla. Usebenzise umbala nakwezinye izimo.</p> <p>Hlukanisa abafundi baba amaqembu ama -5.</p> <p>Nika iqembu elliodwainqwababayezinto ezinhlangothi ntathu nezimo ezinhlangothi mbili.</p> <ul style="list-style-type: none"> - Uthisha akathule umbala ngamunye ngokuphakamisa ikhadi lombala lowo afuna abafundi bawazi ngalesosikhathi. Enza kanjalo nakuwo yonke eminye imibala. - Abafundi abahlele izinto ezi 3-D kanye nezimo ezi 2-D ngendlela abekwe ngayo amakhadi <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Choma izindilinga ezinemibala ehlekene (obomvu, ophuzi, oluhlaza okwesibhakbhaka), ezsikwe ephepheni eliqinile , estifubeni somfundi ngamunye. - Abafundi abazihiele ngemibala yabo ehlekene. <p>Ukusebenzisa izinto ezi-3-D eziphathetkay</p> <ul style="list-style-type: none"> - Uthisha ubiza abafundi abahlau beze phambili anike ngamunye umfundu into enhlangothi ntathu ayiphathie esandleni. - Abanye abafundi bahlale emaqenjinji abo nenqwaba yezinto ezinhlangothi ntathu phezulu kwetafula . - Umfundu wokuqala phambili uphakamisa into ayiphethie isib. Bhuloki axhunywayo aliluhlaza nomu indilinga elogi ephuzi nomu amaphazie. - Abafundi ematafuleni abo bahlela izinto ngokubona lokhu okuphakanyisiwe. <p>Ukusebenzisa imifanekiso noma izithombe izimo ezi2-D</p> <p>3.3 izimo ezinhlangothi mbili (2-D)</p>	<p>Izinto ezahlukene ezinhlangothi ntathu 3-D nezimo ezinhlangothi mbili 2-D njengezithombe, izivalo zamabhodiela, amabhuli ki anombal a, izimo ezinombala, amakhadi anombal a, opuzi, obomvu, oluhlaza okwesibhakbhaka.</p> <p>Izimo ezahlukene ezi2-D nezinto ezi3-D</p> <p>Izindilinga ezibomvu, eziphuzi, eziluhlaza njengesibhakbhaka zonke zilungiswe ngaphambi kwesikhathi uthisha.</p> <p>Qoqa izinto ezi3-D uzibekе etafuleni leqembu neqembu.</p>	<p>Izinto ezahlukene ezinhlangothi ntathu 3-D nezimo ezinhlangothi mbili 2-D njengezithombe, izivalo zamabhodiela, amabhuli ki anombal a, izimo ezinombala, amakhadi anombal a, opuzi, obomvu, oluhlaza okwesibhakbhaka.</p> <p>Izimo ezahlukene ezi2-D nezinto ezi3-D</p> <p>Izindilinga ezibomvu, eziphuzi, eziluhlaza njengesibhakbhaka zonke zilungiswe ngaphambi kwesikhathi uthisha.</p> <p>Qoqa izinto ezi3-D uzibekе etafuleni leqembu neqembu.</p>	<p>Uhla lwezinto ozozisebenzisa uma wenza upende weminwe.</p> <p>1 inkomishi kafulawa</p> <p>1 inkomishi kashukela</p> <p>3 amaconsi esitthako sokuphendula ukudla umbala</p> <p>5 izinkomishi zamanzi abilayo (faka amanzsi kancane kancane)</p>

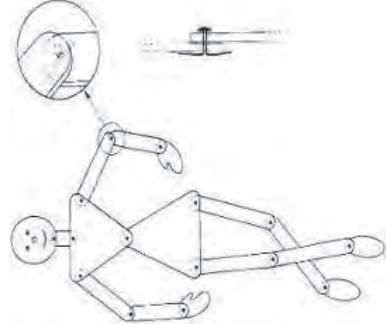
Isonto 2 Ukuziwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko				
4.1 Isikhathi	<p>Ukulandelansia izehlakalo ezenzeke nsukuzonke ezimpliweni zabo</p> <ul style="list-style-type: none"> - izinyanga zonyaka - isikhathi <p>Thula ishadi losuku lokuzalwa</p> <ul style="list-style-type: none"> - Dweba ishadi losuku lokuzalwa elinombala, njengesitimela esinezinqola ezi 12.(inyanga ngayinye) –izinyanga zibhalwa kusukela kwesobunxele kuya kwesokudla lwezinqola.. Bhala igama lo mfundi kanye nophawu kuleyonyanya azalwa ngayo. - Bafundise ulwazi lwestikhathi ne zinyanga zonyaka ngokucula amaculo ezinyanga zonyaka ube ulokhu ukhomba amagama ezinyanga. Bafundise ulwazi lokufunda usuka kwesobunxele uya kwesokudla. - Ukuthuthukisa ulwazi lokubona izinkombandla isib, khombisa igama lenyanga ngayinye onyakeni zibe ngumugqa osuka kwesobunxele kuya kwesokudla. - Abafundi abakhombe uphawu lwabo bazazi sakuhuba inyanga abazalwa ngayo. - Bagquqquzele ukuthi bazi iminyaka yabo. - Phinda izikhashana ukwenza lokho. <p>Ishadi losuku lokuzalwa elinezinyanga eziyi 12 onyakeni alibekwe ekilasini.</p> <p>Umqhele nomu isithombe sekhekhe losuku lokuzalwa kulkhom bisa usuku lokuzalwa osewadlu. Olusazofika alunazo lzinto.</p> <p><i>Iculo: Zakhele eyakho indlela.</i></p> <p><i>“Januwari, Febhuwari, Mash. Ephireli, Meyi, Juni, Julayi. Agasti, Septembra, Okuthoba Novemba, Disemba.</i></p> <p>bazolicula njalo uma kunomfundi ozawayo ngalelo langa.—</p>			

Amanothi:

- Usuku lokuzalwa iuyisehlakalo esisemqoka , makube nesikhathi ngalonusuku lapho kuzoculwa iculo iculo yibo bonke abafundi bese beshaya ihlombe izikhathi ezilingana iminyaka yallowo ozalwa ngalilo langa.
- Umfundsi ngamunye akadwebe isithombe sakhe , uthisha uzozihanganisa ndawonke enze ibhuku lezithombe zalowo ogubha usuku lokuzalwa..
- Uthisha angenza umqhele wasekhanda abafundi bawuhobise ngezinto ezahlukene.
- Lomsebenzi kufanele uphindaphindwe unyaka wonke uma kugujwa usuku lokuzalwa.



Isonto 3 Ukuzijwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe
1.1 Bala izinto	<p>Qagela bese ubala ngokuyikho izinto zansuku zonke.</p> <ul style="list-style-type: none"> Ukubala ngokuphimisa kwantsuku zonke <ul style="list-style-type: none"> - Ukubala sakuhuba kusuka koku 1-5 - Cula amaculo ezhinombolo nemilolozeo <p>Noma abafundi befika bengazi ngolwazi lwezinombolo kwi Banga R kufanele bagquqzelwe ukucula amaculo nemilolozeo ezhinombolo babuye babale ngokuphimisa zonke izinsuku.</p>	<p>Amaculo nemilolozeo yezinombolo</p> <p>Amaphazili/imidlalo eveza abantu abahlukene nemifanekiso yemizimba Imidlalo yamakhadi</p> <p>Abafundi</p>
	<p>Khomba bese ubala izingxeny ezaahlukene zomzimba</p> <p>Ukubala nsuku zonke ngokuphimisaku 1 - 5</p> <p>Ukusebenzia umzimba (Kuxhumanise nesifundo Samakhono Empilo)</p> <ul style="list-style-type: none"> - Thuthukisa ulwazi lwezinombolo ngokubala izitho zomzimba ezaahlukene. - Ngikhombise ikhala lakho bese uyalibala. Mangaki amakhala akho? - Ngikhombise izindlebe zakho bese uyazibala. Zingaki izindlebe onazo? - Ngikhombise izandla zakho. Zingaki? Asizibale. Yini enye esiyibonayo ezandleni zethu? Ungayibala? Asibale isandla esisodwa immwe yakhona: 1, 2, 3, 4, 5. - Mangaki amehlo akho? Bala izindlebe namehlo. Thinta izindlebe namehlo ngesikhathi ubala. - Hlala nomngane wakhe nibhekane bese ubala izingxenyen zomzimba wakhe. Qala uthinte bese uyakubala. Uthisha uzosiza ukulkwenza lokhu. - Khomba isitho somzimba lapho sihamba ngasodwa njengekhala, umlomo, isilevu <p>Ukusebenzia izimo nezithombe ezi 2-D</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Bazibuka esibukweni baziidwebe - badweba uhlaka lwemzimba yabo ephepheni bahlobise ngokuyikho . Badweba umugqa ohlukanisa umzimba kabili - Sika izithombe zamalunga ahlekene omzimba uwasika kumaphephabbhuku noma kuzikhangisi uqedele ubuso. - Sika ubuso ephephabbhukwini bese udweba wonke amalunga omzimba. 	<p>Usuku olu-1</p> <p>Amaphazili/imidlalo eveza abantu abahlukene nemifanekiso yemizimba Imidlalo yamakhadi</p> <p>Abafundi</p> <p>Isibuko esilingene ubude babo Iphepha eli-A4, amakhilayoni Amabhu, izikhangisi, izikelo</p>

Isonto 3 Ukuziwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.4 Okufana nse nxazombili	<p>Ukubona umugqa ohlukanisa kufane nse nxazombili kuyena Thuthukisa ulwazi lokuthi umzimba womuntu unezinhlangothi ezimbili Ukusebenzisa umzimba</p> <p>Gcizelela ulwazi lohlangathi olulodwa kanye nolunye. Uthisha ukhuluma nabafundi ngengaphambili nengemuva lomzimba kanye nengenha nengezansi lomzimba.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bazibuke esibukweni lapho bezobona wonke umzimba wabo. - Khomba izingxenyе zomzimba emzimbeni yazo ezisolhangothini olulodwa zikhona nakulolu olunye uhlangothi. - Thinta izitho zomzimba njengoba kushiwо. "Thinta izinzwanе, thinta izinyawо, thinta inilenze. Abafundi Bangayenza lento nomа becimezile. - Thinta isitho somzimba ngesinye.. "Thinta idolo ngekhala" njll. (kanye nomsesbenzi ngomugqa onqamula phakathi nendawo <p>Isibuko esinobude obuphelele</p>	 <p>Abafundi</p>	Usuku olu-1	
3.2 izinto ezinhlangothi ntathu (3-D)	<p>Bona, khomba bese unika amabholo</p> <ul style="list-style-type: none"> - Abafundi badlala ngamabholo bakhombise izinto aBangazenza ngebholo. Bebe bezisho lezi zinto abazenzayo. Uthisha uye oqala ingxoxo. - Khomba zonke izinto ezikwazi ukugingqika: njengokuthi ucaBanga ukuthi ibhuloki liyakwazi ukugingqika? Ake sibone.. - Gingqa zonke izinto bese uyabheka ukuthi ziywazi yini ukugingqika isib. Amathini agingqika ohlangothini olulodwa. - Sebenzisa ubumba wenze amabholo angakwazi ukugingqika ngesikhathi sokudala okukhulekile.. - Ngesikhathi sesifundo sokuzivocavoca abafundi abazigingqe imizimba yabo njengamabholo. 	<p>Uthisha angenza umuntu wezinti nezimo.</p> <p>Uthla lokwenza inhiama yokudala:</p> <ul style="list-style-type: none"> 1 inkomishi kafulawa ¹ ² inkomishi kasawoti 1 inkomishi yamanzi 2 amathisipuni kawoyela wokupheka <p>Hianganisa konke</p>	<p>izinto ezizindilingga njengamawolintshi, amaphula, amabholo, amathini.(yenza amabholo ngezinto ezilahliwe isib. Amaphphepha amabholo afakwe amasokisisi amadala)</p> <p>izinto ezizikweliwe isib. Amabhuloki.</p> <p>Uthla lokwenza inhiama yokudala:</p> <p>1 inkomishi kafulawa</p> <p>¹ ² inkomishi kasawoti</p> <p>1 inkomishi yamanzi</p> <p>2 amathisipuni kawoyela wokupheka</p> <p>Hianganisa konke</p> <p>Amathonsi ambalwa okwenza umbala ekudleni</p>	Usuku olu-1

Isonto 3 Ukuzijwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselewe ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 izimo ezinhlangothi mbili (2-D)	<p>Bona, khomba, bese unika lgama lezimo ezinhlangothi mbili ezise klasini nasezithombeni - indillinga</p> <ul style="list-style-type: none"> Thula indillinga <p>Uma uthula indillinga okokuqala, izinto ezisetshenziswayo kufanele zifanencamashi ngazozonke izindela.(Ubukhulu, umbala, ubunjalo)</p> <p>Ukusebenzisa umzimba</p> <p>Uthisha udweba indillinga phansi. Abafundi abahambe phezulu komugqa wendilinga elokhu "ngizungeza indillinga".</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bambanani ngezandlanenze indillinga. - Enzani indillinga ngemizimba yenu. - Bahamba belandela ismo sendillinga becula "singamasotscha enkos" - Hlala nenz indillinga bese nidluisa into ethile isuke komunye iye komunye bebe becula " sizofuna umuntu wethu, umuntu wethu,umuntu wethu, sizofuna umuntu wethu namhlanje". Umfundu okophela iculo ephethe into , uyongena phakathi endlingeni. 	<p>Iculo : "singamasotscha enkos!"</p> <p>Umdlalo: "sizofuna umuntu wethu, umuntu wethu, umuntu wethu, sizofuna umuntu wethu namhlanje".</p>	<p>Iculo : "singamasotscha enkos!"</p>	Isikhathi Esilinganisiwe
Isihloko	<p>Ukusebenzisa izinto ezi-3-D</p> <p>Uthisha ukhombisa izingane ihula huphu bese echaza ukuthi isimo sayo siyindilinga. Indilinga ayinamakhona.</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Phatha ihula huphu e-3-D ube uhambisa uhambisa iminwe uzungeze. - Thola izinto ekilasini ezi-3-D ntathu ezinesimo esifanayo nendilinga. <p>Hela bese uqhathanisa izinto ezinhlangothi ntathu ngobungako nombala</p> <p>Uthisha unika abafundi izinto ezinhlangothi ntathu 3-D kanye nezimo ezinhlangothi mbili 2-D ezinobungako obuhukene ,okukhulu nokuncane, imibala, okhaza okwesibhakabha,obomvu,ophuzi.</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Hela izinto ngobukhulu nobuncane. - Beka izinto ngamaqoqo emibala ehlukene. 	<p>Amahula huphu</p>	<p>Usuku olu-1</p> <p>Izinto ezehlukene ezizindilinga ezi-3-D njengambhola okudala itenisi, izimabuli amabhaloni njil.</p> <p>Izimo ezi-2-D njengamaplastiki ezisikwe zabazindilinga</p>	

Isonto 3 Ukuziwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko	4.1 isikhathi	<p>Thula ishadi lesimo sezulu nekhalaenda</p> <p>a) Isikhathi b) Izinsuku zesonto c) Ukulandelana kwezehlakalo zosuku d) Ukuvala</p> <ul style="list-style-type: none"> - Ishadi lesimo sezulu kufanele kube elesonto, izinsuku ezi 5, kuhlelwe kusukela kwesobunxele kuya kwesobunxele kusukela kutesokudla esikhathini esiyizinyanga ezi-6 zokuqala zonyaka. - Isimo sezulu siyensiwa zonke izinsuku. - Utthisha uye osiza abafundi ukusino igama losuku, ukuthi zingaki izinsuku, nokuthi iyiphi inyang'a, esebeenzisa amakhadiadneithombe nomu imidwebo nemibhalo. Emva kwestikhathi abafundi bazoziikhethela ngokwabobo amakhadi bawafake ngokufanele. - Umholi weqembu uphumela phandle abheke ukuthi isimo sezulu sinjani bese ebuya ezotisheha abanye egerinji njengokuthi liya, libalele, linamafu njalonjalo. - Utthisha ukhombisa akuthollie okusemakhadini bese ubeka amakhadi esimo. - Ngokwenza njalo abafundi bafunda ngezinsuku zaphakathinesonto kanye nalezo zempelasonto. - Bafunda ngezikhayhi; namuhla, izolo, kusasa. - Abafundi bathola amathuba okubala kusukaka ku 1 kuya koku 5. Bangabala izinsuku zokushisa, okwakunomoya, njalonjalo. - Beka uphawu lomfundu onosuku lokuzalwa ngalelosonto. - Beka yonke imisebenzi ezokwenziziwa ngalelosonto njengokuya epaki ngikubeka isithombe sepaki. 	<p>Ishadi kufundisa ezinconyiwe</p> <p>Izinsiza kufundisa ezinconyiwe</p> <p>Isikhathi Esilinganisiwe</p>
-------------------------	---	---------	------------------	---	--

Isonto 3 Ukuzijwayeza	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwé ikilasi , utlhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	Isibonelo seshadi lesimo sezulu	Isimo sezulu	Juni 2012	
4.1 Isikhathi	<p>Landelanisa izehlekalo ezenzekayo njalo ezimplilweni zabo.</p> <ul style="list-style-type: none"> Izinsuku zesonto Uthisha ufundisa abafundi iculo nomu umlolozelo ngezinsuku zesonto. Aliphindwe leliculo zonke izinsuku ngesikhathi kwensiwa isimo sezulu. <i>Zisikhombisa izinsuku zesonto x 3 njalo, njalo njalo umpsombuluko, ulwesibili, ulwesthathu, ulwesine, ulwesihlanu uMqibelo kanye neSonto</i> Thula ishadieikhombisa izikhathi zonyaka, khombisa ngomcibisholo ukuthi isiphi isikhathi sonyaka:<ul style="list-style-type: none"> - Isiphi isikhathi sonyaka esikuso njengamanje? - Isiphi isikhathi sonyaka esisanda kudlula? - Isiphi isikhathi sonyaka esizayo? - Beka isithombe esikhombisa isikhathi sonyaka kanye nezinyanga ezhambisana nalesosikhathi njengo Januwari - Mashi ihambisane nesithombe sasehlobo. 	<p>Iculo: Izinsuku zesonto. Qamba iculo ngezinsuku zesonto</p> <p>Amakhadi amane anesithombe eskhombisa isikhathi sonyaka ngasimye.</p> <p>Izikhathi zonyaka</p> <p>Shintsha uma izikhathi zonyaka zhintsha</p> <p>Izikhathi zonyaka</p> <p>Ihlobo Ikwinda Intwasahlolo Ubusiika</p>		

Amanothi:

Ulwazi ouasha kufanele lwethulwe ngokulandela lezizindela:

Ukusebenzisa umzimba (ukufunda usebenzisa umzimba nemizwa)

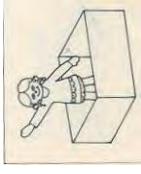
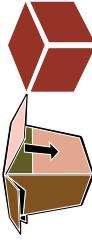
Ukusebenzisa izinto eziphathekayo (izinto ezingonhlangothi ntathu)

Ukusebenzisa imidwebo, izithombe amakhadi (izimi ezingonhlangothi mbili)).

Isonto 4 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselewi ikilasi , uthatha imizuzu okungenanana engama 30 (okungenanani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>Khomba bese uchaza izinombolo</p> <p>Thula okuchazzwa inombolo 1</p> <p>Ukubala ngokokusakuhuba kwansukuzonke kusuka kuoku 1-5</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khomba izitho zomzimba njengekhala elliodwa. - Yuma sakuhuba kanye, shaya ngonyawo kanye, gxuma kanye nokunye. - Phakamisa umunwe awodwa, isandla esisodwa,unyawo olulodwa. - Enza inombolo 1 ngomzimba wakho. - Bhala inombolo 1 emoyeni/ bhala phansi. - Shaya izandla kanye <p>Ukusebenzisa izinto ezi3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khomba into eyodwa ekilasini njengebhuloki. - Akha inombolo 1 ngobumba <p>Ukusebenzisa izimo nom a izithombe ezi 2-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khomba isithombe esinento eyodwa emakhadini ahlukene. - Qhathanisa ikhadi elinesithombe esinento eyodwa nalelo elinechashaza elliodwa. - Qhathanisa ikhadi elinesithombe esisodwa, nalelo elinechashaza elliodwa kanye rezinto zokubala ezfanayo, isib. Pakisha izinto ezinenombolo efana namachashazi. - Uma usuyithulile inombolo 1, beka ikhadi lalenombolo obonden ikuze abafundi balibone zonke izinsuku. 	<p>Amaculo nemilolozelo teznombolo</p> <p>Amakhadia amaningi ezithombe</p> <p>1 Into yokubala eyodwa yomfundi</p> <p>Amakhadia amaningi ezithombe</p>		Usuku olu-1
1.1 Ukubala izinto				

Isonto 4 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiseleliwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenanani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>2.1 Amaphethini okusazibalomdwabo</p> <ul style="list-style-type: none"> Khomba iphetthini ezintweni ezikhona eduze nasezingubeni zabafundi. <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Abakhulum ngamaphethini abawabona ezintweni ezikhona kulendawo nalawo asezingubeni zabo. - Imaphi amaphethini anemigqa, nalawo anamabhuloki? - Ayafana yirini amaphethini? Yini okufanayo futhi yini okwehlukile? - Yini eyenza iphetthini? - Iphethini ukuphindaphinda –kwemigqa/amabhuloki/zimo. <p>Kopela bese uqhubeka nephethini</p> <p>Ukusebenzisa umzimba</p> <p>Uthisha akafake abafundi abane amaribhoni aluhlaza okwesibhakabhabka kanye nabomvu ezingalweni.Wakha iphetthini ngokubeka umfundi ofake iribhoni elibomvu phambili, abe esethi ofake elluhlaza akalandele, kanjalo kanjalo kuqhubeka iphetthini.</p> <p>Ukusebenzisa izinto ezi-3-D</p> <ul style="list-style-type: none"> - Uthisha wakha iphetthini ngezivalo zamabhdlela ezintantu eziluhlaza okwesibhakabhabka nezintathu ezibomvu. - Abafundi abenze iphetthini kathisha. 			Usuku olu-1

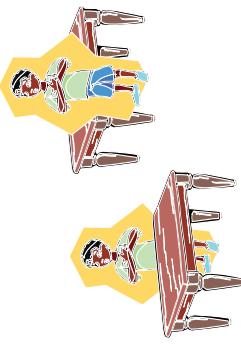
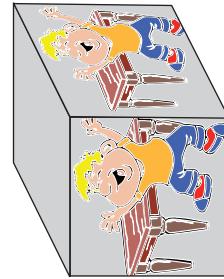
<p>Isonto 4 Qala ukwethula izinombolo</p> <p>3.2 Izinto ezinhlangothi ntathu (3-D)</p>	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselewi ikilasi , uthatha imizuzu okungenanana engama 30 (okungenanani ka 5 ngesonto)</p> <p>Bona, khomba bese usho amagama ezinto ezi 3-D kanye nezimo ezi2-D ekilasini Thuthukisa ulwazi lokuhlukanisa phakathi kwezinto “ezisobala” nezinto “ezizungezile”</p> <p>Ukusebenzisa izinto ezi3-D</p> <p>3.2 Izimo ezinhlangothi mbili (2-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khombisa izinto ezahlukene ekilasini njengenzinto zokhuni, izinto ezibomvu, ezepulasitiki nokunye. - Bheka izinto ezithile ekilasini njengomlayelo kathisha njengokuthi, ibhola elisebhokisini lamabhuloki, imoto esekhabetheni, ipensela elisethinini - Funa izinto ejfanayo njengezincknobho ezyindilinga phakathi kwezinkinobho eziyzikwele nokunye. - Hela izinto ngokwakhiwa kwazo njengobungako, umbala, isimo. - Dlala umdialo wokuqagela: ”Ngibona ngamehlo ami into eyindilinga.....” - Funa into ethile kulendawo okuyo njengokulayelwa uthisha, njengokuthi iribhoni elisesihlahleni ,isilwane esihlahleni - Ekhaya kufanele abafundi bathunywe ukuoqa izipuni, izimfoloko nokunye. <p>Ukusebenzisa imifanekiso noma izithombe izimo ezi 2-D</p> <p>Khombisa abafundi isithombe bese ubuza imibuzo ephathelene nabo Isibonelo:</p> <ul style="list-style-type: none"> - Intombazane iphetheri esandleni? - Bangaki abantu abasesikebheni? - Ukwakhiwa kwamaphazili namakhadi anezithombe kuyasiza ukufundisa abafundi ukuhlukanisa phakathi kwezinto ezsobala nezungezile. 	<p>Isikhathi Esilinganisiwe</p> <p>Amanothi Acacisayo</p> <p>Izinsiza kufundisa ezinconyiwe</p> <p>Izinto ezahlukene ekilasini nangaphandle Usuku olu-1</p> <p>Izinto ezahlukene ekilasini kanye nangaphandle enkundleni yokudala.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khombisa izinto ezahlukene ekilasini njengenzinto zokhuni, izinto ezibomvu, ezepulasitiki nokunye. - Bheka izinto ezithile ekilasini njengomlayelo kathisha njengokuthi, ibhola elisebhokisini lamabhuloki, imoto esekhabetheni, ipensela elisethinini - Funa izinto ejfanayo njengezincknobho ezyindilinga phakathi kwezinkinobho eziyzikwele nokunye. - Hela izinto ngokwakhiwa kwazo njengobungako, umbala, isimo. - Dlala umdialo wokuqagela: ”Ngibona ngamehlo ami into eyindilinga.....” - Funa into ethile kulendawo okuyo njengokulayelwa uthisha, njengokuthi iribhoni elisesihlahleni ,isilwane esihlahleni - Ekhaya kufanele abafundi bathunywe ukuoqa izipuni, izimfoloko nokunye. <p>Izithombe esikhulu sokuxoxa (iphosta)</p> <p>Amaphazili</p> 
--	--	---

Isonto 4 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathis ha olungiselewi ikilasi , uthatha imizuzu okungenenana engama 30 (okungenenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>3.2 izinto ezinhlangothi ntathu (3-D)</p> <p>Bona,khomba bese usho igama lezinto ezi 3-D ngokubheka izimo nobungako</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Ngena phakathi bese ubuye uphumé ebbokisini elikhulu. - Bheka ingaphakathi lebhokisi bese niyaxoxa njengokuthi ibhokisi linamacala amane, limesivalo njalonjalo. - Livule ibhokisi ukuze ubone izimo zonke ezikhona. <p>Ukusebenzisa izinto ezi3-D</p> <ul style="list-style-type: none"> - Sebenzisa amabhokisi ukwakha izinti ezithile njengendlu, igaraji nokunye. - Nikka abafundi izinto ezahlukene njengezinkinobho izivalo zamabhodlela nokunye. <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Hlela izinto zibe ngamaqoqo ezinto ezifanayo. - Bheka ukuthi yini umehluko phakathi kwezinto. - Bheka ukuthi yiziphi izinto eziyizikwele nezyiyingdinga. - Hlela izinto ngokwemibala yazo. 	 <p>Amabhokisi ahlukene amakhulu namancane (awezitofu neziqandisi)</p> 	<p>Usuku olu-1</p>	

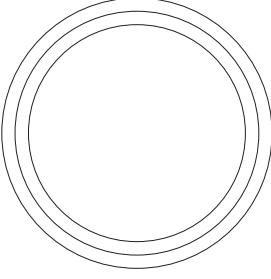
Isonto 4 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiseleliwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenanani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 izimo ezinhlangothi mbili (2-D)	<p>Bona, khomba bese usho igama lezimo ezinhlangothi mbili 2 –D ekilasini</p> <p>- unxantathu</p> <p>Thula unxantathu</p> <p>Uma uthula unxantathu okokuqala izinto ezisetshenziswayo kufanele zifane nse - ukuma, umbela,. Unxantathu wakkithu izinhlangothi eziqondile ezintathu. Yingakho kuthiwa unxantathu.</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benza isimo ngemizimba yabo njengokwenza unxantathu abafundi abathathu behlangana sakuhuba nezinyawo belele phansi. - Besebenzisa imnwé ukwenza unxantathu. - Benza unxantathu ngobumba ,ngezintambo - Bahamba phezulu komugqa kanxantathu. Ngesikhathi behamba bayasho ukuthi izinhlangothi.Kunye, kubili, kuthathu izinhlangothi. Zintathu izinhlangothi.Kunye, kubili, kuthathu amakhona. - Ukuthinta izimo ungaziboni. Sebenzisa izimi ezinkulu nomafaka izimo esikhwameni. Umfundu uzothinta ezwe izimo ezahlukene. Uma esetholile ukuthi isiphi isino uzobe esesiqhathanisa nekhadi elinomdwебeo wsesimo. - Dweba unxantathu emoyeni, phansi bese begcina ukudweba ephepheni. <p>Chaza, hlela bese uqhatthanisa izinto ezi-3-D kanye nezimo ezi-2-D</p> <p>Ukusebenzisa izinto ez-i3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Hlela amabhułoki ngokwezimo njengokuthi indillinga,unxantathu; ubukhulu njengokuthi kukhulu, kuncane; nombala njengokuthi kubomvu, kuphuzi. - Bheka onxantathu ekilasini nakullendawo okuyu. 	<p>Imidalo yamakhadi isiza ukufundisa izimo.</p> <p>Iwuli ubumba</p> <p>Isikhwama esinezimo ezahlukene</p> <p>Amakhadi adwetshwe izimo</p> <p>Iphepha elingu A4</p> <p>amakhirayoni</p> <p>amabhułoki</p> <p>izinto ezahlukene ezisekilasini nangaphandle.</p>	<p>Usuku olu-1</p>	

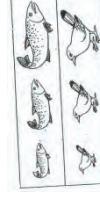
Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonto)								
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe						
1.1 Bala izinto	<p>Chaza bese ukhomba izinombolo eziphelele Gcizelela ulwazi olufunde kwisonto 4 oluphathelene nenombolo 1</p> <p>Ukubala uphimisa kusukela ku 1 kuya 5</p> <p>Ukusebenzia umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Umsindo owerenziwa ukushaywa konzimba njengokushaya izandla kanyé. - Uthisha ukhombisa ikhadi elinenombolo 1 bese abafundi bephakamisa umunwe owodwa, isandla esisodwa njalonjalo. <p>Ukusebenzia izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Thola into eyodwa ekilasini. - Bala into yokubala eyodwa. <p>Ukusebenzia izimo noma izithombe ezi-2-D</p> <ul style="list-style-type: none"> - Qhathanisa izithombe ezineto eyodwa kanye nekhadi elinechashaza elliodwa. - Qhathanisa izithombe ezineto eyodwa nekhadi elinechashaza elliodwa kanye nekhadi elinophawu lwenombolo 1 - Qhathanisa inombolo 1kanye negama lenombolo elisekhadini. - Akha iphazili unike abafundi baqhubeke.isib. 	<p>Amaculo ezinombolo nemilozelo</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sento eyodwa</td> <td style="text-align: center;">1</td> <td style="text-align: center;">kunye</td> </tr> </table> <p>Amakhamdi anesithombe esiscodwa nawanechashaza elliodwa.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sento eyodwa</td> <td style="text-align: center;">1</td> <td style="text-align: center;">kunye</td> </tr> </table>	Isithombe sento eyodwa	1	kunye	Isithombe sento eyodwa	1	kunye	<p>Usuku olu-1</p>
Isithombe sento eyodwa	1	kunye							
Isithombe sento eyodwa	1	kunye							

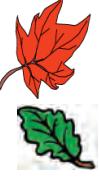
Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenanana engama 30 (okungenanani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.4 Okufana nse nxazombili	<p>Gcizelela ukuthi umzimba unezinhlangothi ezimbili njengokuthi iloluhlangothi nololuya hlangothi. Nokuthi kukhona olusesandleni sokudla nolusesandleni sobunxele.</p> <p>Ukusebenzisa umzimba</p> <p>Uthisha uchaza izinhlangothi ezimbili zomzimba.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Ima ngomlenze owoedwa bese ubuye ume ngomunye. - Uhyakaza uhambisana nesigqi sikakhehlekhehle uya ohlangothini lwekilasi. Uma ukhehlekhehle uthula, abafundi baya kolunye uhlangothi lwekilasi. <p>Ukusebenzisa izinto ezi-3-D</p> <p>Umfundi ngamunye unkwa isakana lokudala (bean bag).</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Beka isakana lokudala phansi eduze kwabo. - Susa isakana lokudala uliyise kolunye uhhlangothi usebenzisa izinzwanne nomu isandla. - Beka isakana lokudala phansi eduze kohlangothi olulodwa lwabafundi bese kuthi kamuya abekwe kolunye uhhlangothi. - Gcizelela loluwazi ngokuthi abafundi badwebe umvemvana. <p>(Goga iphepha phakathi nendawo. Consisela amaconsi ambalwa kapende ohlukene emqgeni lapho kuhulkana khona iphepha. cindezelia ingxeny ephephha kwenye. Livule bese uyabuka.-uzobona izingxeny ezbifanayo. Uvemvane lunezinhlangothi ezimbili ezifana nse</p>	<p>Ukhehlekhehle angenziwa ekhaya, kusetszenziswa isitssha esincane esinesivalo, safakwa amatshe amancane.</p> <p>Isakana lokudala</p>	<p>Usuku olu-1</p>	
3.2.1 Izinto ezinhlangothi ntathu (3-D)	<p>Bona, ukhombe bese ubiza igama lezinto ezi-3-D.</p> <p>Thula, bese nibukisisa izinto ezikwazi ukgingqika</p> <ul style="list-style-type: none"> - Xoxa ngobundilinga bezinto.Faka izinti ezinlingi ezahlukene esikhwameni sokuzwa izimo ‘feely Bag’. Abafundi bakhiphra into ngayinye bese bechaza ubundilinga bayo. - Abafundi bayatshengisa ukuthi izinto ezahlukene zigingqika kanjani. 		<p>Isikhwama esifakwe amabbola angalingani ,izimabula, amathini eziphuzo, izivalo zamabholela</p>	<p>Usuku olu-1</p>

Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.1 Isikhundla, isimo nokubukeka kuento	<p>Isikhundla sezinto ezimbili noma ngaphezelu kuqhathaniswa nomfundu</p> <ul style="list-style-type: none"> - ngaphambili / ngemuva <p>Ukusebenzisa umzimba:</p> <p>Uthisha ukhetha abafundi ababili .</p> <ul style="list-style-type: none"> - Ubeka izihalo ezimbili phambili kwekilasi. - Abafundi ababili bazokhombisa ulwazi lokuba phambili nokuba ngemuva, isib. o Sipho ima phambili kwesitulo o Celiwe ima ngemuva kwesitulo - Uthisha uphakamisa ikhadi, bese abafundi benza iminyakazo besebenzisa izitulo zabo. - Lokhu kungenziva ngokusebenzisa abafundi abathathu. o U-Awande ume ngemuva ku ka Sipho, kodwa uCeliwe umi ngaphambili kuka Awande. <p>- Uthisha unika abafundi idayisi elikhulu etenezhithombe ezahlukene ezikhombisa “ngaphambili nangemumva” ezinhlangothini zonke..isib. onezinwele ezinde umi phambili, ogqoke ibhulukwe ume ngemuva; unlei ngemuva komunye nil.</p> <p>- Abafundi bazodlala umdalo wedayisi emaqenijni abo ngokuphosa idayisi bese benza lokhu okukholijswe esithombeni esivelle.</p>	 	Izihalo Abafundi Amakhadi anezithombe ezikhombisa ungaphambili kanye nongemuva.	Usuku olu-1

Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungengana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.2 izinto ezinhlangothi ntathu (3-D)	<p>Qhathanisa ezimbili ezinikeziwe ezi: enkulu nencane</p> <ul style="list-style-type: none"> • Gcizelela ulwazi luka kukhulu kuna no kuncane kuna <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benza imizimba yabo ibe mikhulu ngokulula izingalo zifike ngaphezelu kwekhanda. - Benza imizimba yabo ibe mincane ngokugobisa bagozigoqe. - Bathole ukuthi inkulu yini inji kunegundane <p>Ukusebenzisa izinto ezi-3-D</p> <p>Beka izinto zibembili ukuze uzighathanise.</p> <ul style="list-style-type: none"> - Qhathanisa ubukhulu bezinto ezifanayo nienga mabhuholi, amatafula, amapuleti, izihlalo nokunye, bese uyasho ukuthi iziphi izinto ezinkulu nomu ezinkulu/ ezinkulu; ezinkudlwana/ ezincanyana; ezinkulu kakhulu/ ezincane kakhulu.. - Ukwakha izakhiwo ngamabhuholi bese abafundi beqhatthanisa ukuthi esabani isakhwiwo esikhulu kunazozonke, naleso esincane kunazozonke. <p>Ukusebenzisa izimo noma izithombe ezi-2-D</p> <ul style="list-style-type: none"> - Qhathanisa izithombe ezichaza ulwazi lwezintu ezinkulu nezincane kanye nezinkudlwana nezincanyana. - Sebenzisa ulwazi lokukhulu nokuncane ngesikhathi sobuciko bokwenza. 	<p>Isithombe segundane nenja (isithombe senja sibe sikhulu kunesegundane)</p>	<p>Usuku olu-1</p>	

Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungnenana engama 30 (okungenani ka 5 ngesonoto)	Ishloko	Amanothi Acacisayo	Isikhathi Esilinganisiwe
3.2 izinto ezinhlangothi ntathu (3-D)	<p>Qhathanisa usho ukuthi kulokhu okubili yikuphi oku:</p> <ul style="list-style-type: none"> - Okukhulu nokuncane - Okukhulwana nokuncanyana - Okukhulu kakkhulu nokuncane kakkhulu <p>Ukusebenzisa unzimba</p> <p>Uthisha udweba indilinga encane esihlabathini, nomu phansi.</p> <ul style="list-style-type: none"> - Abafundi bahamba phezulu kwemigqa yendilinga <p>Uthisha udweba indilinga enkulu ngaphandle kwe ndilinga encane.</p> <ul style="list-style-type: none"> - Abafundi bahamba phezulu komugqa wendilinga enkulu. <p>- Uthisha uyabuza:</p> <ul style="list-style-type: none"> o lyiphi indilinga encane kakhulu? o lyiphi indilinga enkulu kakhulu? o Hamba phezulu kwendilinga encane. o Hamba phezulu kwendilinga enkulu. <p>Uthisha udweba indilinga enkudlwana ngaphandle kwendilinga ekhona.</p> <ul style="list-style-type: none"> - Abafundi bahamba phezulu kwendilinga enkulu kunazozzonke. <p>- Uthisha ubuza imibuzo:</p> <ul style="list-style-type: none"> o lyiphi indilinga enkulu kakhulu? o lyiphi indilinga encane kakhulu? 		Izinsiza kufundisa ezinconyiwe Indilinga enkulu nencane edvetshwe esihlabathini nomu phansi	Usuku olu-1

Isonto 5 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonoto)	Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Esilinganisiwe
	<p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Abafundi bahlela bese beqhatthanisa izinto ezahlukene ngobukhulu, (kukhulu kuna; kuncane kuna) njenga:</p> <ul style="list-style-type: none"> - Izinkinobho ezinkulu kwezinccane - Izipuni ezinkulu kwezinccane - Amabhokisi amakhulu kwamancane <p>Lo msebenzi ungenziwa nangaphandle ngesikhathi sokudala emanzini nasesihlabathini, lapho abafundi bekwazi ukuqhatanisa bakhulumne ngezinto basho ukuthi le incanyana / inkudwana; incane kakhulu / inkulu kakhulu.</p> <p>Ingafundwa ngesikhathi sekvenziwa imisebenzi yokupenda nokudweba nalapho kwenziswa isithombe esakhwiwe ngezidwedwe namaphepha nokunye, lapho besebenzisa izinto ezincane nezinkulu.</p> <p>Ukusebenzisa izimo nomu izithombe (izimo ezinhlangothi mbili(2-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Badala imidalo yamakhadi bebebekhomba okuncane, okukhulu nokukhulu kakhulu ezithombeni. - Ubuzza imibuzo efana: Imuphi ufishi wokuqala? Noma Imuphi ufishi wokugcina? Imuphi ufishi ophakathi nendawo?   		<p>Amabhuloki okwakha namabholha anobukhulu obungalingani Izinkinobho,izipuni, amabhokisi emithi, amabhokisi ezicathulo, amakhotini obisi, izitsha ezingenalutho zemithi, njii.</p>	

Isonto 6 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izimsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>1.1 Bala izinto</p> <p>Qagela bese ubala izinto ezejwayelekile ngokuyikho</p> <p>Ukubala kwansukuzonke</p> <ul style="list-style-type: none"> - Ngokukhuluma: Ukubala okusakuhuba kusukela ku 1 - 5 - Ukucula amaculo ezinombolo nemilozelozelo <p>2.1 Amaphethini okusazibalo mdwebo</p> <p>Kopisha bese uqhubua iphethini usebenzisa umsindo wokushaya umzimba</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha ukhombisa abafundi iphethini lokushaya umzimba bese abafundi bayaykopisha iphethini. <p>Isibonele: ihlombe, ihlombe, qhwaba, qhwaba, gxoba, gxoba..</p> <p>Ukusebenzisa izinto ezinhlangothi ntathu(3-D)</p> <p>Kopisha iphethini usebenzisa izinto:</p> <ul style="list-style-type: none"> - Amaqabunga angafani - Izimo ezingafani - indilinga, indilinga, unxantathu, indilinga..... - Izinto ezingafani - iphekisi elibomvu, iphekisi eliuhlaza okwesibhakabbhaka, iphekisi eliphuzi, iphekisi elibomvu..... <p>Ukusebenzisa imitānekiso noma izithombe (izimo ez12-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benza iphethini labo ngamakhadi anezithombe njengembali, iqabunga, iqabunga,imbali,..... - Bakha awabo amaphethini ngamakhadi anemibala njenga elibomvu, eliuhlaza, elibomvu,..... - Ngesikhathi sokupenda nokudweba bese benza amamaphethini ezimo besebenziisa iziponji. 	   	<p>Amaculo ezinombolo nemilozelozelo</p> <p>Abafundi</p>	<p>Nsukuzonke</p> <p>Usuku olu-1</p> <p>Izimo ezilogi Ibhodi lamaphekisi</p> <p>Nika abafundi amakhadi ezithombe Amakhadi emibala Uthisha wenza izimo ngeziponji</p>

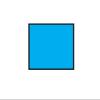
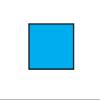
Isonto 6	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>3.3 Izimo ezinhlangothi mibili (2-D)</p> <p>Bona, khomba bese usho igama lesikwele</p> <p>Thula isikwele</p> <p>Uma uthula isikwele okokuqala kufanelle usebenzise izinto ezifanayo ngombala, ngobukhulu, nangokwakhiwa. Isikwele sinamacala amane.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Abafundi abasukume benze isikwele. - Abafundi abahambe phezelu kwentambo eyakhe isikwele. Ngesikhathi behamba bayasho bathi: Ngihamba phezelu kwesikwele, icala lokujala,icala lesibili, icala lesithathu, elesine.Wonke amacala ayalingana.” - Amaqembu abafundi akha izikwele ezincane. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <ul style="list-style-type: none"> - Uthisha ukhombisa umehluko phakathi kwendillinga nesikwele ngokuphakamisa isivalo sethini kanye nethayili. - Isivalo sizwakala siyindillinga uma usithinta ,kanti ithayili lineziphetno namakhona. <p>Ukusebenzisa izimo noma izithombe (izimo ezinhlangothi mbili (2-D)</p> <ul style="list-style-type: none"> - Uthisha udweba azungeze isivalo kanye nethayili. - Isivalo silkhombisa indilinga, ithayili likhombisa isikwele. - Abafundi abadwebe ngamakhilayoni bazungeze isivalo nethayili. <p>Hlela izinto ezi 3-D nemifanekiso noma izithombe (izimo ezi 2-D)</p> <p>Hlukanisa abafundi babe amaqoqo.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Hlela izinto ezi-3-D nezimo ezi-2-D ozinkwe uthisha ngobukhulu nangombala - Gcizelela izimo ngokudala imidalo yamakhadi ngesikhathi sokudala okukhulelekile sasendlini. <p>3.2 izinto ezinhlangothi ntathu (3-D)</p> <p>Bona, khomba bese usho igama lezinto ezinhlangothi ntathu ezishibilikayo.</p> <ul style="list-style-type: none"> • Thula izinto ezishibilikayo <p>Nika abafundi izinto ezinhlangothi ntathu nezimo ezinhlangothi mbili, njengmabholuki, amabhokisi, amabhola nokunye.</p> <ul style="list-style-type: none"> - Abafundi abafunde ngokwenza bedlala ukuze babone ukuthi iziphi izinto ezikwazi ukushibilika nalezo ezikwazi ukuringqika. - Abafundi Bangasebenzi umshushuluzo osenkundleni yokudala noma uthisha asebenzise itafuia afake amabhuloki amabili kwicala elliodwa. - Zikhona yini izinto ezishibilika ziye phezu? - Iziphi izinto ezishibilika ziye enzansi? - Yini eyenza lezi zinto zishibilike? 	<p>Usuku olu-1</p> <p>Abafundi Intambo</p> <p>Isivalo sethini Ithayili eliyisikwele Izindiliinga ezahlukene kanye nezinto eziyizikwele ezahlukene. Amaphephanda Amakhirayoni Izimo ezi2-D imidalo yokugcizelela izimo izinto ezi3-D amabhuloki kaLeg Amakhadi ezimo Izinto ezinhlangothi ntathu njengmabholuki Izimo ezinhlangoyhi mbili njengemidlalo egcizelela izimo: Yini esesikweleni?</p> <p>amabhuloki amabhuila amabhokisi umshushuluzo noma itafula elimiswe ngamabhuloki kwicala elliodwa.</p>	<p>Usuku olu-1</p>	

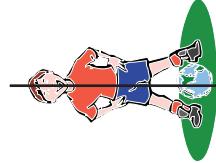
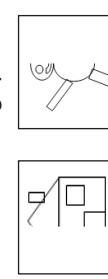
Isonto 6	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>3.1</p> <p>Isikhundla, isimo nokubukeka kuento</p> <ul style="list-style-type: none"> Chaza into eyodwa enhlangothi ntathu uqhathanisa neny. Thuthukisa ulwazi loku phezulu / ngaphansi / ngenzansi / ngaphezulu <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Umfundsi ngamunye akahlale esihalweni sakhe. - Abafundi balalela imiyalelo kathisha bebe benz a njengokuthi: isib. - hlala phezulu kwesihlalo,lala ngaphansi kwesihlalo. - Yima phezu kwesihlalo sakho.hlala ngaphansi kwetafula - Beka izandla phezu kwekhanda - Beka izandla ngaphansi kwemilene - Beka isakana lokudlala ngaphansi kwekhwapha lakho. - Hlala phezu kwesakana lokudlala - Faka ihuphu ngaphansi kwamadolo akho. <p>Ukusebenzisa izinto ezinhlangothi ntathu(3-D)</p> <ul style="list-style-type: none"> - Abafundi ababili ababambe ingqathu, bese abanye bagaqe baphume ngaphansi. - Funa into engaphansi kwetafula <p>Hlala izimo noma izithombe (ezi-2-D)</p> <ul style="list-style-type: none"> - Uthisha unika abafundi izithombe eziningi ezikhombisa izinto ezingaphansi, ezingaphezulu, ezingenzansi, njengokuthi: Umuntu uhlezzi phezulu kwetafula. <p>Abafundi:</p> <ul style="list-style-type: none"> - Khomba ezithombeni okuphezulu, okungaphansi, okungaphezulu. 		Usuku olu-1

Isonto 6	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>4.1</p> <p>isikhathi</p> <ul style="list-style-type: none"> Chaza isikhathi sosuku ngokusebeniza amagama ; imini, nobusuku/ ubumnyama, nokukhanya. Thula ulwazi: emini / ebusuku; ukukhanya / ubumnyama <p>Fundisa lokhu ukuhlanganise nesifundo saMakhono Empilo, Ukuqala Kolwazi</p> <p>Ukusebenzisa unzimba</p> <ul style="list-style-type: none"> Umfundi uhlala ngaphansi kwetafula nomu kwestihalo esimbozwé ngengubo. Enza ikilasi libemnyama ngokuthi uvale amakhetini , bese ucisha ugesi. Abafundi bakhulumu ngabakuwile ngesikhathi kumnyama nangenkathi sekubuya ukukhanya. Akubekhona ithoshi ukuletha ukukhanya ngaphansi kwengubo. Xoxa ngezinto ezenzekayo emini nasebusuku.. <p>Izimo noma izithombe (ezi-2-D)</p> <ul style="list-style-type: none"> Uthisha ulungisa iphosta enesithombe selanga kanye menyanga. Ulungisa futhi nezithombe ezikhombisa ukuthi kwenzekani emini nasebusuku. Abafundi kuranele babekte izithombe ngaphansi kwelanga noma kwenyanga. 	<p>Ithoshi</p> <p>Iphosta yemini nobusuku Izithombe zezinto eznzeka emini nasebusuku</p>	<p>Izihalo nezingubo zokulala</p>	Usuku olu-1

Isonto 7 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenana ka 5 ngesonito)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihoko 3.3 izimo ezinhlangothi mibili (2-D)	Bona, Khomba bese usho izinto ezi 3-D nezimo ezi2-D <ul style="list-style-type: none"> Thula iphazili bese unika indlela yokuthi yakhwi kanjani. <ul style="list-style-type: none"> Xoxa ngesithombe sephazili ubhekisisse umbala, abantu / izilwane, izinto, indawolapho kukhona abantu/izilwane nezinye izinto. Khomba, bona bese uqondanisa izingcezu zephazili njenge. <ul style="list-style-type: none"> Izingcezu ezisemakhoneni. Izingcezu ezinecala elliodwa eliqondile. Izingcezu ezingenalo icala eliqondile. Ukubala izingcezu zephazili. <p>Siyenza kanjani iphazili</p> <ul style="list-style-type: none"> Pakisha zonke izingcezu zibheke phezulu. Khomba lizingoezu ezingamakhona uqondanise imibala nezinto ezikulezzizingcezu ezisemakhoneni. Akha amacala amane ngezingcezu ezinecala elliodwa eliqondile. Uma umfundi enenkinga, akakhe iphazili phezulu kwesithombe.. Worke amaphazili kufanele akiwe aphele ngaphamli kokuba abekwe. 	Amaphazili ahlukene okungenani abe nezingcezu eziyi 6.	Usuku olu-1	

<p>Isonto 7 Qala ukwethula izinombolo</p> <p>Isihoko</p>	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonito)</p> <p>3.1 Isikhundla, isimo nokubukeka kwento</p>	<p>Amanothi Acacisayo</p> <ul style="list-style-type: none"> • Isikhundla sezinto ezimbili noma ngaphezulu ziqhatharniswa nomfundi. <p>Phakathi / phandle</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha usebenzisa ihapehu yokunamathisela noma ingqathu ukwenza imiga emibili ekilasini phansi.. - Abafundi bayasukuma bame kwicala elliodwa lekilasi. Auathisha ube esememeza ethi: "Ngena phakathi emfuleni" Bonke abafundi bagxume bangene phakathi kwalemigqa. "Ngaphandle komfula"Abafundi bagxume baphume ngaphandle kwalemigqa emibili. - Abafundi aBangalandeli imiyalelo rgendlelo bayaphuma bengabe besaqhubeka nokudlala. 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Usuku olu-1</p> <p>Umdhalo:Emfuleni</p> <p>Izingqathu 2</p> <p>Ukusebenzisa izintu ezinhangothi ntathu (3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Hlehlha amagxathu ambalwa usuka kusuka kubhasikidi noma ibhakede. - Phosa isakanalokudlala ebhasikidini. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi2-D)</p> <ul style="list-style-type: none"> - Abafundi badweba isithombe esikhombisa ingaphakathi nengande.
---	---	---	--

Isonto 7 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenana ka 5 ngesonito)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganiweise
Isihoko 3.1 Isikhundla, isimo nokubukeka kweneto	<p>Isikhundla sezinto ezimbili noma ngaphezulu ezhlobene nomfundi:</p> <p>Phezulu / phansi / ezansi</p> <p>Ukusebenzisa umzimba</p> <p>Abafundi abalandele imiyatele:</p> <ul style="list-style-type: none"> - Beka ibhuloki ellibomvu phezulu kwekhanda lomngani wakho. - Beka ibhuloki eliphuzi ngaphansi kombhede. - Beka ibhuloki phezulu ekhanda bese ucaca emthini. - Gaqa ngaphansi kwetafula ucimezile. <p>Ukusebenzisa izinto ezinhlangothi ntathu(3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Pakisha onxantathu omunye phezulu komunye. - Pakisha izikwele eziluhlaza okwesibhakabhaka esinye phezulu kwestinye - Beka isikwele esiphuzi phezulu kwendillinga ebomvu.. - Beka indillinga ephuzi nonxantathu obomvu ngaphansi kwesikwele esiluhlaza okwesibhakabhaka. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi2-D)</p> <ul style="list-style-type: none"> - Uthisha ulungisa amakhadi anezithombe kanye nanezimo. - Abafundi babeka izimo phezulu noma ngaphansikwezithombe niebgokusho kukathisha. o Isibonelo:Beka isikwele esiluhlaza okwesibhakabhaka phezulu kuka bhasikidi wezithelo.. 	<p>Amabhuholi</p> <p>Izimo</p> <p>Izithombe ezahlukene</p>     <p>Amakhadi ezimo</p>    	Usuku olu-1	

Isonto 7 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselele ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesoneto)	Ishoko	Amanothi Acacisayo	Isikhathi Esilinganisiwe
3.4. okufana nse nxazombili	<ul style="list-style-type: none"> • Gcizelela ulwazi lomugqa ohlukanisa umzimba wakili kibili ulingane <p>Ukusebenzisa umzimba Yenza abafundi:</p> <ul style="list-style-type: none"> - Bala izitho zomzimba. - Cula iculo elinomnyakazo elimayelana nomzimba. <p>Uthisha uzokhombisa abafundi ulwazi okuhlukanisakabili kulingane, ngokulengisa intambophambili komfundi.</p> <ul style="list-style-type: none"> - Abafundi kufanele bacabangwe imizimba yabo ihlukaniswe kabilii.. 	<p>Intambo</p> 	<p>Umzimba womfundi</p>	<p>izithombe ezingaphellele</p> 

Isonto 7 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenan ka 5 ngesonito)	Isikhathi Esilinganiweise Usuku olu-1
Ishoko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe

3.1 Isikhundla, isimo nokubukeka kwento	<ul style="list-style-type: none"> • Isikhundla sezinto ezimbili nomu ngaphezulu sezindo ezi 3-D <ul style="list-style-type: none"> - Phezulu / phansi <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bakhomisa, phezulu naphansi ngokunyakazisa imizimba yabo iye phezulu iye phansi njengokuyleiwa uthisha. - Bala ngesikhathi ucaca izitebhisi. - Bala ngesikhathi wehla izitebhisi ezimbili. - Caca ukhuphuke , uphindle wehle izito zokudala. - Caca ukhuphuke uphindle wehle usebenzisa intambo, nomu ilada. - Buka phezulu ubuye ubuke phansi. <p>Ukusebenzisa imifanekiso nomu izithombe (izimo ezi2-D)</p> <ul style="list-style-type: none"> - Uthisha unika abafundi izithombe ezahlukene ezikhombisapezulu nomu phansi. <ul style="list-style-type: none"> o Isibonelo: umuntu uyacaca uya phezulu entaben; umuntu ehamba ehla ebheke enzansi. <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khomba ulwazzi olukhuluma ngo phezulu no phansi ezithombeni 	
--	--	--

<p>Isonto 8 Qala ukwethula izinombolo</p>	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , utathha imizuzu okungenana engama 30 (okungenana ka 5 ngesonoto)</p>	<p>Amanothi Acacisayo</p>	<p>Izinsiza kufundisa ezinconyiwe</p>	<p>Isikhathi Esilinganisiwe</p>
<p>Isihloko</p>	<p>3.4</p>	<ul style="list-style-type: none"> Umugqa ohlukanisa kabili ufundiswa nokubala <p>Ukusebenzisa umzimba</p>	<p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Tshikiza bese uguxuma ulandela isiqqi esithile ube ubala. - Ima ubheke omunye bese nishaya ihlome niphambanise izandla (isandla scobunxele smifundi wokuqala sizoshaya isandla somunye umfundi esobunxele, kanjalo nesokudila). Nibe nicula iculo lezhinombolo. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Phosa ibhola kumngane wakho ube ubala. - Hamba phezu phezulu kwentambo egwingcizayao ube ucula iculo. - Khaahela ibhola liye komunye. <p>Lokhu kungenziwa ngesikhathi sesifundo Amakhono Empilo.</p>	<p>Usuku olu-1</p> <p>Abafundi</p> <p>Iculo lezinombolo nemilolozelo</p> 
<p>2.1</p> <p>Amaphethini okusazibalo mdwebo</p>	<p>• Ukwenza awakho amaphethini</p>	<p>Ukusebenzisa umzimba</p>	<p>Abafundi abenze eyabo iphethini besebenzisa:</p> <ul style="list-style-type: none"> - Imizimba yabo. Isibonelo: Intombazane eqqoke ingubo, abafana ababili abagqoke amabhulukwe <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p>	<p>Usuku olu-1</p> <p>Izimo ezbomvu, neziluhlaza okwesibhakbhaka</p>  <p>Sebenzisa izivalo zamabhdollela nopende obomvu noluhlaza okwesibhakbhaka</p>  <p>obomvu hlaza bomvu hlaza bomvu hlaza</p>

Isonto 8 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungengenana engama 30 (okungenani ka 5 ngesonoto)		
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.2 izinto ezinhlangothi ntathu (3-D)	<p>Bona, khomba bese usho amagama ezinto ezinhlangothi ntathu (3-D)</p> <ul style="list-style-type: none"> Gcizelela ulwazi iwezinto ezizingqikayo <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Badlala ngamabhodlela epulasitiki , amathini, amabhola, iwlontshi nokunye. Awubhke ukuthi ayagingqika yini. <p>Uthisha ubuza:</p> <ul style="list-style-type: none"> - Iliphi ibhuloki kulawa asekheneni elikwazi ukugingqika? - Amabhuolki angeke agingqike ngoba anamacala aqondile. - Gingqa izinto ezehlukene ubone ukuthi iziphi ezizingqikayo nezingagingqiki. - Abafundi bazobona ukuthi ezyindillinga izinto ezizingqikayo. 	<p>Amabhodlela eplastiki</p> <p>amabhuolki amathini, izinkomishi seplastiki, amakhandela, amabhola nokunye.</p>	Usuku olu-1
3.1 Isikhundla ,indawo nokubukeka kwayo	<ul style="list-style-type: none"> Ukuuthuthukisauwlwazi ngezinckomba kufanele uqale unike ulwazi - “ ngaphambili / ngemuva; phambili / emuva. <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <p>Landela izinkomba zikathisha ngokunyakaza nomu ukuma endaweni ethile ekilasini.</p> <p>Isibonele:</p> <ul style="list-style-type: none"> - Ima ngaphambili kwekilasi. - Ima ngemuva kwekilasi.. - Iya phambili ubuye uye emuva. - Gaqa uye phambili, ubuye uye emuva. - Gxuma uye phambili ubuye emuva. 	<p>Usuku olu-1</p> <p>abafundi</p>	

Isonto 8 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe
3.1 Isikhundla, indawo nokubukeka kwayo	<p>Uthisha udweba iphethini phansi usebenzisa ushoki. Njenga:</p>  <p>nom</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Hamba nom aqqa phezulu kwemigqa yephethini. - Beka iphepha elibomvu emakhoneni ukukhombisa llambu elibomvu lasemgwaqweni. Uma beffika ekhoneni kufanele ukuthi libenjenjomzimba ukunikeza umumuzwa wokuthi bayajika. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Enza umgwaqo ngamabhuloki. - Dudula inqola yokudlala iye phambili ubuye uye emuva usebenzisa umgwaqo wamabhuloki. - Dudula inqola yokudlala ngokujikela oħlangothini olulodwa, bese ubuye ujjekel lolunye uħlangothi longwaqo. 	<p>Dweba phansi.</p> <p>Dweba phansi.</p> <p>Usuku olu-1</p> <p>Iphepha elibomvu.</p> <p>Amabhuloki okwakha</p>

Isonto 8 Qala ukwethula zinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe						
Ishloko	5.1 qoqa uholele izinto	<ul style="list-style-type: none"> Thula ulwazi oluqokelelwe (besebeenzisa imizimba yabo), kuqokelelwa izinto ezikhona ekilasini nakuleyondawo, ngokwezimpawu ezinikiye. <p>Ukusebenzia umzimba</p> <p>Hlukanisa abafundi ngamaqembu</p> <ul style="list-style-type: none"> Ejenjini ngalinye.akusume bonke abafana benze umugqa; wonke amantombazane awasukume enze umugqa eduze kwalowo wabafana. Abafundi ababale abfana ukuthi mangaki kanye namantombazane egenjini ngalinye. Qedela igrafu yamantombazane nabafana egenjini ngalinye. 	<p>Abafundi bami emugqeni</p>	Usuku olu-1						
5.2 Okumele izinto eziqoqiwe	Dweba igrafu ukutshengissa ulwazi. Ukusebenzia izinto ezinhlangothi ntathu (3-D)	<p>- Abafundi Bangasebenzia lolu lwazi ukwenza igrafu yezinto besebeenzisa amabhuloki nomu izimo nokunye okumele umfundu ngamunye.</p>	<table border="1"> <tr> <td>amantombazane</td> <td>abafana</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>2</td> <td>3</td> </tr> </table>	amantombazane	abafana	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2	3	inhlama iphepha A4
amantombazane	abafana									
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
2	3									
5.5 Okumele ulwazi	Funda bese uthula igrafu Ukusebenzia imifanekiso noma izithombe (izimo ezi2-D)	<ul style="list-style-type: none"> Nika abafundi iphepha elinesithombe somfana nesentombazane pnezulu. Abafundi benziga igrafu besebeenzisa inhlama ukwenza amabhola amancane amele abafundi njengasemsebenzini odluu Abafundi benziga azomela abafana namantombazane egenjini labo. Abafundi babeka isibalo samabhola esanele amantombazane nabafana egenjini labo ngaphansi kwesithombe esifanele. 								

Isonto 9 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungnenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko 3.2 Izinto ezinhlangothi ntathu (3-D)	<p>Bona bese uholia izinto ezishelelayo nezizingqikayo</p> <p>Uthisha uthatha ibhola aligqome phansi. Aliyeke lizingqike phansi.</p> <p>Uthisha uthatha ibhokisi enze okufanayo.</p> <p>Uthisha ubuza abafundi:</p> <ul style="list-style-type: none"> - Iyiphi into egingqikile? - Yini ibhokisi lingagingqikanga? - Iyiphi into ekwazile ukugingqika? <p>Uthisha ukhombisa abafundi ukuthi ibhokisi inacala amane namakhona amane, ngakhoke angeke likwazi ukugingqika kodwa ibhola alinamakhona , liyakwazi ukugingqika.</p> <ul style="list-style-type: none"> - Gquqquzelia abafundi ukuthi bathole izinto ekilasini ezizingqikayo nalezo ezishelelayo. - Buza abafundi ukuthi ikhona into ekwazi ukugingqika nokushelela. 	 	Ibhola ibhokisi	Usuku

Isonto 9 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Accasayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	3.3 izimo ezinhlangothimbili (2-D)	<p>Bona, khomba bese usho igama lesimo esi-2-D ekilasini nasezithombeni</p> <p>- indilinga</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Enza indilinga usebenzisa iminwe yakho. - Enza indilinga usebenzisa izandla zakhlo zombili. - Hlalani phansi nenze indilinga nibe nibambene ngezandla. - Hamba phezu lu kwentambo eyenzive indilinga. - Dlala umdlalo lapho abafundi behlala benze indilinga becula icula. o Umfundsi oyedwa uyaphuma endilingeni agijime ezungeza indilinga ephethe ibhola esandleni. o Umfundsi ukhetha ukubeka ibhola umva komunye umfundsi ohleli endilingeni. o Okhethiwe kufanele athathie ibhola agijime azame ukushaya lo mfundi wokuqala ngebholo. Ngesikhathi egijima ezungeza indilinga eyohla endaweri engenamuntu. o Uma ibhola limshaya lo ogijimayo, kufanele ayohla phakathi endilingeni. Umdlalo uyaqhubekeka. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Thola izinto ezyindilinga ekilasini. - Thola izimo ongazifanisa nendlilinga. <p>Ukusebenzisa imifanekiso nomu izithombe (izimo ezi2-D</p> <ul style="list-style-type: none"> - Uthisha usho amagama ezinto beso abafundi bekhomba lezozinto njengezinto ezyindilinga: iwlontshi, imabuli,ibhola nokunye.. 	<p>Abafundi</p> <p>intambo</p>	<p>Usuku olu-1</p>

Isonto 9 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungnenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.1 Isikhunda, isimo nokubukeka kweneto	<p>Isikhundla sento eyodwa noma ezimbili ziqhathaniswa</p> <ul style="list-style-type: none"> Ulwazi loku “eceleni / phakathi” lufundwa ngombala.sebenzisa umzimba <p>Uthisha ubiza abafundi abathathu.</p> <p>Uchaza ulwazi “eceleni / phakathi” ngokuhlela abafundi ngezindlela ezhilukene:</p> <ul style="list-style-type: none"> - UCekiye umi eceleni kuka Sipho. - UMelusi umi phakathi kuka Celiwe noSipho. <p>Lokhu kungenziva ngabanye abafundi.</p> <p>Uthisha unika abafundi amabhuloki anemibala ehlukene, abese ebanika imiyalelo:</p> <ul style="list-style-type: none"> - Beka ibhuloki elibomvu eceleni kweliphuzi. - Beka ibhuloki eliluhlaza okwesibhakkabha phakathi kwebhuloki elibomvu neliphuzi. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <p>Sebenzisa amasakana okudala anemibala ehlukene (abomvu, aluhlaza okwesibhakkabha, aluhlaza njengotshani,aphuzi), anike imiyalelo abafundi:</p> <ul style="list-style-type: none"> - Beka isakanana lokudala illiuhlaza okwesibhakkabha eceleni kweliphuzi.. - Beka isakanana lokudala elibomvu phakathi kwelihlhaza okwesibhakkabha neliphuzi. <p>Lomsebenzi ungasebenza nasesifundweni saMakhono Empilo</p>	<p>Usuku olu-1</p>		

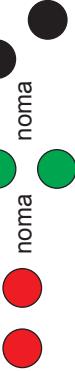
Isonto 9 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungengenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko 3.2 Izinto ezinhlangothi ntathu (3-D)	<ul style="list-style-type: none"> Ukuhlela amaqoqo amabili nangaphezelu kusukela kokuncane kakhulu kuya kokuhulu kakhulu. <p>Ukusebenzisa umzimba Nika abafundi inhlama, abenze ngayo amabhola .</p> <ul style="list-style-type: none"> Emaqenjini mabahlele amabhola kusukela kwelincane kakhulu kuya kwelikhulu kakhulu.nakwelikhulu kakhulu kuya kwelincane kakhulu. <p>Ukusebenzisa izinto ezinhlangothi ntathu (3-D)</p> <ul style="list-style-type: none"> Ngamunye umfundi eqenjini akathole into eyodwa ekilasini. Emaqenjini abahlele izinto zabo kusukela kwencane kakhulu kuya kwenkulu kakhulu. <p>Uthisha unika iqembu ngalinye incwadi yocingo endala.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> Badabula iphepha lencwadini yocingo bese belifonyoza belenza ibhola. Abafundu abathole ukuthi iliphi ibhola elikhulu kunawo wonke , futhi iliphi elincane kunwo wonke. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi2-D)</p> <ul style="list-style-type: none"> Nika abafundi iphepha elinezithombe zezinto ezinkulu nezincane. Abafundi bafake umbala kwezinkulu izinto bese bekokelezela ezincane. 	Inhlama	izinto ezisekilasini incwadi yocingo iphepha elingu a4 elinezithombe	Usuku olu-1

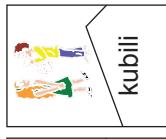
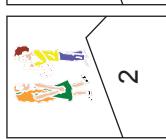
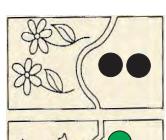
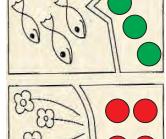
Isonto 9 Qala ukwethula izinombolo	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenanana engama 30 (okungenani ka 5 ngesonoto)	Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
4.2 Ubude	Qhathanisa bese uhlela izinto usebenzisa ulwazi namagama afanele ukuchaza ubude. - Kude kakhulu / kufushane kakhulu - kufushane kakhulu/ Kude kakhulu	Ukusebenzisa umzimba			Usuku olu-1
	- Uthisha ubiza abafundi abane, bese ethi abanye abafundi abahlele laba abne kusukela komude kuya komfushane. - Abafundi bayazihlema emaqenjini abo kusukela komude kuya komfushane . - Umfundsi akasukume ancike ngodonga, abanye egenjini bamkale ubude bakhe besebenzisa izandla zabo.	Ukusebenzisa izinto ezinhlangothi ntathu (3-D)	amarula, amakhirayoni, amapensela, irabha		
	Uthisha ubeka izinto eziningi ezahlukene etafuleni legembu ngalinye njengamarua, amapensela, amarabha, nokunye. - Hlela zonke izinto ezinde ndawonye nezimfushane ndawonye. - Abafundi abahlele izinto kusukela kwende kunazo zonke kuya kwemfushane kunazo zonke.	Ishadi lokulinganisa ubude	Sipho izandla ezi 6 Ayanda izandla ezi 5		

Izonto 10			Ukusebenzissa isontolama-40 ukubhekelela ulwazi olusele nezindawo zokufunda ezenkinga.
Ingxenyeye yokuqukethwe	Istihioko	Amazinga okuhola	
Izinombolo, izimpawu nobudlewane bazzo	1.1 Ukubala izinto	<p>Ukuqagela nokubala okusakuhuba urike ku-5 (amaculo nemilozelo eznombolo akufakwe ukuthuthukisa ulwazi lwezinombolo)</p> <p>Ukubona inombolo esinweni esejwayelekile-isib. Ubudala , irejista</p> <p>Ukuqonda izinombolo ezisho isikhundla (isib, ngesikhathi sokuya endlini encane)</p> <p>UkuKhomba izithombe senombolo namakhadi amachashazi afaka inombolo okukodwa</p> <p>Ukwazi izimpawu lenombolo 1</p> <p>Ukubona amagama eznombolo kunye , kubili, kuthathu, nokune</p> <p>Ukuhlukanisa phakathi kokuningi,okuncane, nokulinganayo,okuningi nokumbalwa urike ku-4</p>	
	1.6 Ukuxazulula izinkinga	<p>Ukuhaza nokubeka imicabango ngamagama nangokudweba nom asebenzise izinto eziphathekayo</p> <p>UkuKhuluma uxazulula izinkinga zokuhlanganisa nokususa urike-4</p> <p>UkuKopisha, wandise nokuzakhela amaphethini abo (iznto,izimo,nemali)</p> <p>Ukubona amaphethini endaweni ebazungezile</p> <p>ukwazi okungaphambi i kokunye/ nokungemumva</p> <p>Ukwazi okuphezu kokunye, phezu, ngaphansi,ngerezansi</p> <p>Ukwazi okungenha nokungezansi</p> <p>Ukwazi ulwazi: phambili, emumva, ngaphambili, ngasemumva</p>	
Amaphethini nokuxhumana	2.1 Amaphethini assazibalomdwebo		
Isikhundla nesimo (ijiyometri)	3.1 Isikhundla, Isimo nokubukeka kwento		

Isonto 10	Ukusebenzisa isontolama-40 ukubhekelela ulwazi olusele nezindawo zokufunda ezinenkinga.	Amazinga okuhola
Ingxenyeyokuqukethwe	Ishihoko	
Isikhundla nesimo (ijiyometri)	3.2	
	Izinto ezi kanye no 3.3 nezimo ezi 2-D	
		Ukubona, ukukhomba nokubiza negama amabholwa
		Ukubona nokukhomba amagama ophawu lwakhe, nawabanye abafundi negama lekilasi lakhe
		Ukwakha amaphazlii arezingxene ezi-6
		Ukukhombisa ikhono lokaLukanisa phakathi kwezintso eziphambili nezizungzile
		Ukukhomba nokubona indilinga
		Ukukhomba nokubona unxantathu
		Ukukhomba nokubona isikwele
		Ukuqhathanisa amaqoqo amabili ezinto ozinikiwe okukhulu,nokuncane, okukhulu kakhulu nokuncane kakhulu.
		Ukuhlela izinto
		Ubungako –okukhulu nokuncane
		Imibala - (okubomvu, okuphuza, njengesibhakabhaka)
		Izimo – indilinga, unxantathu, neskwele
		Izinto ezgingqikayo
		Izinto ezishushuluzayo
	3.4	Ukubona umugqa ohluKanisa izingxenye ezimbili kufane nse kuyena.
		Ukwazi ukuhluKanisa phakathi nendawo
		Ukusebenzisa amagama afana nokuthi usuku, ubusuku, ukukhanya nobumnyama, ekuseni, ntambama ngokuhila ukuchaza isikhathi sosuku
		Ukulandelanisa izigameko zansuku zonke (Uhelo losuku)
		Ukukhombisa ukuqaphela izinsuku zesonto, izikhathi zonyaka nesimo sezulu
		Ukwazi usuku lakhe lokuzalwa
		UkuhluKanisa phakathi kokude kakhulu,okufishane kakhulu,kude kune.. kufishane kune... (ishadi lobude)
	4.2	
	Ubude	
Ukuqokelelwa kolwazi	5.1	Ukuqoqa nokuhlela izinto.
	5.2	Ukubeka okumele izinto eziqoqiwe zahlelwa
	5.3	Ukuoxxa kwethulwe umbiko ngezintso eziqoqiwe zahlelwa

ITHEMU 2 YEBanga R					
Isono 11 Ukuwayeza	Izhloko	Izikhathi Zokufunda Eziphakanyiswe: Umsebenzi kathisha olungiselelewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Ukwethula okuchazwa inombolo 2 <p>Ukukhuluma: Ukkubala izinto zansukuzonke kufinyetele koku 2. Ukkubala uye phambili ubuye uye emumva 2. Ukkubala bephimisela 1-7</p> <p>Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa”. Shaya izandla kamingi ...IMA. Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -2.</p> <p>Ukusebenza komzimba Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Biza abafundi aba-2 baye phambili. babale - Bala izitulo ezi-2, amatafula njil. - Khomba izingxenyе zomzimba ezhambha ngazimbili ezinjenge amehlo, izindlebe, izandla, izitho, izinyawo, amadolo, amahlombe njil. - Ukwenza umsindo ngokushaya umzimba isib. Shaya izandla kabili, ngekuzissa ikhanda kabili, shaya phansi kabili, ugkume kabili njil. - Phakamisa iminwe emi 2, 2 izandla, 2 izinyawo. 	<p>Izithombe ezimbili vezinyoni zeculo lokubala “izinyoni ezimbili, enye uphittha , enye uPhol”</p>	Usuku olu-1		

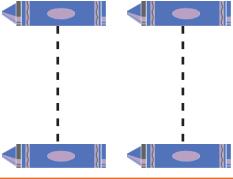
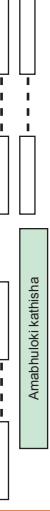
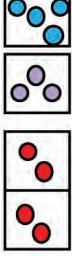
ITHEMU 2 YEBANGA R					
Isono 11 Ukuwayeza Isihloko	Izikhathi Zokufunda Eziphakanyiswe: Umsebenzi kathisha olungiselewe ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe	Usuku olu-1
1.1 Bala izinto	Izinto eziphathetekayo kusebenza izinto ezi 3-D Yenza abafundi: - Khomba izinto ezimbili ezifanayo ekilasini isib. Izicathulo ezimbili. Amakhirayoni njil. - Thuthukisa ulwazi lokugcina izinombolo ngokwenza abafundi bapakishe izinto ezimbilli zokubala nomu ezinye yiziphi izinto ngezindlela isib.		2 izinto zokubala nomu 2 izinto zomfundii ngamunye		

ITHEMU 2 YEBANGA R			
Isonto 11 Ukujwayeza	Izhathhi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewi ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Isikhathi Esilinganisiwe
Ishloko	<p>1.3 Izimpawu namagama ezinombolo</p> <ul style="list-style-type: none"> • Ukwazi uphawu lwenombolo nokubona igama lenombolo esebeenzisa inombolo 2 <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Qondanisa amakhadi ezithombe anezithombe ezimbili namakhadi amabili anamachashazi amabili kowo. - Khombisa amakhadi ezinombolo nezithombe vezinto zezinombolo ezikhethiwe isib. Ezicathulo ezhambisanayo, amakkirayoni amabili njll. - Yenza abafundi babuke izinto ezifanayo zenombolo ezifanayo ekilasini. - Khomba ikhadi eliveziwe elinezinombolo ezelhukene vezithombe ezechikene kulo. - Khomba ikhadi eliveziwe elinophawu lwenombolo 2. - Bora ikhadi eliveziwe negama lenombolo. - Xhumanisa uphawu lwenombolo 2 nenombolo yezinto kanye nenombolo yamachashazi. - Xhumanisa igama lenombolo nekhadi lophawu lwenombolo, inombolo yezithombe nenombolo yamachashaza - Yengeza nge khadi elinenombolo 1 bese wenza abafundi bakhombe inombolo 1 no 2 - Yenza iphazile yezinombolo bese uvumele abafundi bawaqondanise isib. 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Amakhadi ezinombolo anezinto.</p> <p>Izinto ekilasini nasendaweni abakuyo.</p> <p>Isithombe sesinto ezi-2</p>  <p>Isithombe sesinto ezi-2</p>  <p>2</p> <p>kubili</p>    	Usuku olu-1

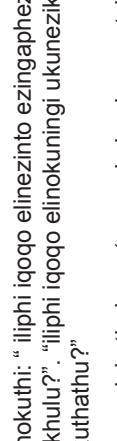
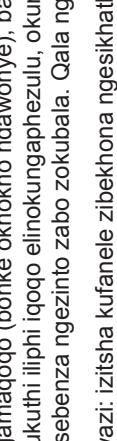
		ITHEMU 2 YEBANGA R			
Isono 11 Ukuwayeza	Ishloko	Izinto eziinhlangothi ntathu (3-D) kanye	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganiwe
3.2	<ul style="list-style-type: none"> Chaza, hela bese uqaththanisa izinto ezu 3-D kanye nezimo ezi 2-D ngokufanayo nokuhukile; <p>Ukufana nokuwu mehluko</p> <ul style="list-style-type: none"> - Ukuzebenza komzimba - Khetha amantombazane usebenzise umlolozelo wokubala. - Abanye abafundi bakhomba ukuthi afana kanjani amantombazane? - Khetha umfana nentombazane usebenzisa umlolozelo wokubala. - Abanye abafundi bazokhomba ukuthi umfana uhluke kanjani entombazaneni. - Ngababili omunye umfundsi "uzoma ngendlela ethile" ngendlela ethile omunye akopishe kufane nendlela lo "omunye ame ngayo" - isib. - Omunye umfundsi uma ngonyawo nezandla ekhanda lakhe. Omunye akopishe "indlela yokuma" .. - Hlela abafundi ngokobulli babo, labo abanezicathulo, labo abanezingxabulela, nalabo abahamba ngezinyawo. - Buzza labafundi abalandelayo beze phambili. <ul style="list-style-type: none"> o Abafana namantombazana abafake amabhulukwe, intombazane efake ingubo o Zonke izingane ezifake icicathulo, neyodwa ehamba ngezinyawo. - Buzza imibuzzo efana ne: "imuphi umfundi ongafani nabanye"? "Imuphi umfundi ohlukile kwabanye?" 	Usuku olu-1			

ITHEMU 2 YEBANGA R																																				
Isono 11 Ukuwayeza	Izhathhi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewi ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)																																			
Ishloko	Amanothi Acacisayo																																			
3.2 izinto ezinhlangothi ntathu (3-D) kanye	<ul style="list-style-type: none"> Chaza, hela bese uqhathanisa izinto ezu 3-D kanye nezimo ezi 2-D ngokufanayo nokuhlukile; <p>Sebenzisa izinto eziphathetkayo 3-D</p> <ul style="list-style-type: none"> - Abafundi ababili babhampisa ibhola: ibhola elikhulu nebholu elincane - Abanye abafundi bakhomba ukuthi amabhola afana nom ahluke ngayiphi indlela. - Umfundsi oyedwa ugingqa iwolintshi, omunye ugingqa ibhola. - Abanye abafundi bakhomba ukuthi ibhola newolintshi kufana nom ahluke ngayiphi indlela. - Abafundi babuka izicathulo zabafana nezingxabulela zamantombazane - Abanye abafundi bakhomba ukuthi izicathulo zifana nom ahluke ngayiphi indlela. - Abafundi bathola izinto ezifanayo ekilasini 																																			
3.3 izimo ezinhlangothi mbili (2-D)	<ul style="list-style-type: none"> Izithombe ezisebenzisa izimo ezi 2-D <p>Banikeze amakhadi emiddalo yokuhondanisa ukuthuthukisa ukufana nokuhlukana isib.</p> <p>Qhubekela phambili emakhadini asebenzisa ukucabanga ngokuqhubeke konyaka. Abafundi akufanele bafunde izinhlamvu. Isib.</p> <table border="1"> <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>d</td><td>d</td><td>b</td><td>d</td><td>da</td><td>pa</td> </tr> <tr> <td>ø</td><td>ø</td><td>ø</td><td>ø</td><td>ø</td><td>ad</td><td>ab</td> </tr> <tr> <td>r</td><td>r</td><td>r</td><td>r</td><td>r</td><td>m</td><td>n</td> </tr> <tr> <td>s</td><td>s</td><td>s</td><td>s</td><td>s</td><td>sc</td><td>cs</td> </tr> </table>	o	e	o	c	e	o	a	d	d	d	b	d	da	pa	ø	ø	ø	ø	ø	ad	ab	r	r	r	r	r	m	n	s	s	s	s	s	sc	cs
o	e	o	c	e	o	a																														
d	d	d	b	d	da	pa																														
ø	ø	ø	ø	ø	ad	ab																														
r	r	r	r	r	m	n																														
s	s	s	s	s	sc	cs																														

		ITHEMU 2 YEBANGA R		
Isono 11 Ukuwayeza	Izikathi Zokufunda Eziphakanyiswe: Umsebenzi kathisha olungiselelwe ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>1.4 Chaza,qhathanisa bese uhlela izinombolo</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - thuthukisa ulwazi olusho okufanayo nokuhukile. - Qhathanisa imino izinzwanе apo. Yize kunenomboloefanayo kodwa kubukeka ngokwehlukile. - Qhathanisa iminwe,izinzwanе namehlo. Kubukeka kwehlukile. Sinenombolo efanayo yeminwe nezinzwane ebiwa 10 kodwa sinamehlo amabili. - Qhathanisa izindlebe, izingalo, imilenze nezinyawo. Kubukeka kwehlukene kodwa iyefana inombolo ebiwa 2 ngakunye. - Uthisha udweba izindilinga ezimbili phansi nom a kwenzwe izindilinga ezimbili phansi ngentambo. Yalela abafundi ukuba bazihlikanise ngokulinganayo endilingeni ngayinye. Bala inombolo yabafundi. Khomba amaqqo ukuthi ayilingana futhi ayefana. 	<p>• Hieila uqhathanise iqoqo lezinto eziqoqwelwe ndawonye kusethenziswa</p> <p>“okulinganayo” noma “okufanayo”,</p> <p>Ukusebenza komzimba</p>	Usuku olu-1	

Isono 11 Ukuwayeza		Izikathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewi ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	1.4 Chaza,qhathanisa bese uhlela izinombolo	<p>Sebenzisa izinto eziphathekayo 3-D</p> <ul style="list-style-type: none"> - Thuthukisa ulwazi ngokufana nokwehluka. - Bekta isethi yeziimpawu zabafundi maphakathi nokhaphethi. - Nikeza umfundu ngamunye ikhadi lophawu lwakhe. Abafundi bazama ukuqondanisa izimpawu zabo nalezo ezibekwe kulkaphethi. - Bekta iqoqo lezinto phezu kwetafula bese uwahlukanisa abe ngamaqoqo alinganayo (enye eyakho, enye eyami) <p>izibonelo:</p> <ol style="list-style-type: none"> 1. Bekta izinto ezimbili zohollo olufanayo isib. amakhirayoni, emuguen phezu kwetafula. Cela umfundu oyedwa ukuba aqondanise ikhirayoni ngayinye kathisha neyakhe. (umfundu udingga ukuthatha amakhirayoni amabilii ukuqondanisa nonombolo yamakhirayoni kathisha. “manje umuntu ngamunye usenemombolo efanayo/elinganayo yamakhirayoni”) 2. Uphindre umsebenzi ofana nalowo ebeniwenzile ngenha ngezinto ezi 4 nezi 6 ukuze abafundi baqondisise ulwazi olufundiwe loku “tanayoi/okulinganayo” 3. Uthisha ubeka amabhuloki ama 2 abe ngumugqa etafuleni. Uthisha unika abafundi ababilii ibhuloki ngamunye. Cela umfundi ukuba aqondanise ellidwya lamabhuloki akhe. (umfundu ngamunye udingga ukuthatha elinye ibhuloki lokuqondanisa nakathisha amabilii) “Manje sesinamabhuloki ama 2 ngamunye. “Sinenombolo efanayo yamabhuloki”.   <p style="text-align: center;">Amabhuloki kathisha</p> <p>Izithombe ezisebbenzisa izimo ezi 2-D</p> <ul style="list-style-type: none"> - Yenza abafundi baqhathanise izithombe namakhadi avezwayo anamachashazi afanayo   <p style="text-align: center;">amabhuloki</p> <ul style="list-style-type: none"> - Banikeze amakhadi emidalo ngesikhathi sokudlala okukhulekile ngaphakathi lapho abafundi bengahlukanissa okufanayo nokwehlukene. 	Usuku olu-1	

ITHEMU 2 YEBANGA R					
Isono 11 Ukujwayeza	Izhkhathi Zokufunda Eziphakanyiswe: Umsebenzi kathisha olungiselewi ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe	
Ishloko	<p>1.4 Chaza, qhathanisa bese uhlela izinombolo</p> <ul style="list-style-type: none"> • Hiela bese uyaqhathanisa izinto eziqoqelwe ndawonye usebenzisa “okungaphezulu ukune” <p>Ukukhuluma: bala izinto zansukuzonke kufinyelele koku 2. Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa”. Shaya izandla kaningi ...IMA.</p> <p>Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -2.</p> <p>Ukusebenza komzimba</p> <p>Umfundsi uyasho ukuthi iziphi izinto ezimbili eziqoqelwe ndawonye ezi: ‘okungaphezulu ukunoku...’</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bala amehlo abo neminwe. Buza umbuzo: “ikuphi abanakho okungaphezulu kokunye?” - Khombisa iminwe emibili esandleni esisodwa nomunwe owoedwa kwesinye issandla. “Isiphi isandla esinengaphezulu?” - Khetha abafundi aba 3 besebenzisa umlolozelo. Benze ngamaqoqo oku 2 noku 1 	<p>1.4 Hiela bese uyaqhathanisa izinto eziqoqelwe ndawonye usebenzisa “okungaphezulu ukune”</p> <p>Ukukhuluma: bala izinto zansukuzonke kufinyelele koku 2. Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa”. Shaya izandla kaningi ...IMA.</p> <p>Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -2.</p> <p>Ukusebenza komzimba</p> <p>Umfundsi uyasho ukuthi iziphi izinto ezimbili eziqoqelwe ndawonye ezi: ‘okungaphezulu ukunoku...’</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bala amehlo abo neminwe. Buza umbuzo: “ikuphi abanakho okungaphezulu kokunye?” - Khombisa iminwe emibili esandleni esisodwa nomunwe owoedwa kwesinye issandla. “Isiphi isandla esinengaphezulu?” - Khetha abafundi aba 3 besebenzisa umlolozelo. Benze ngamaqoqo oku 2 noku 1 	Usuku olu-1		

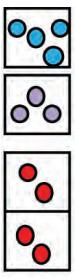
ITHEMU 2 YEBANGA R				
Isono 11 Ukuwayeza	Izhkhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewi ikilasi, uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza Kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>1.4 Chaza, qhathanisa bese uhlela izinombolo</p> <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <ul style="list-style-type: none"> - Beka izikele ezi2 , 3 izinto zokubala nama 4 amakhirayoni phezu kwetafula. Bala iqoqo elliodwa lezinti.    <p>Buza imibuzo efana nokuthi: “ Iliphi iqoqo elinezinto ezingaphezulu. “Iliphi iqoqo elinezinto eziningi kakhuu? ” “Iliphi iqoqo elinokungaphezu kokuthathu? ”</p> <p>- Beka izinto ezelhukene eziphathekayo (amagobolondo, amatshe, ikhokho njii.) phezu kwetafula. Kuhlele ngamaqoqo (bonke okhokno ndawonye), bala inani eqoweni ngalinye ukhombise ukuthi iliphi iqoqo elinokungaphezulu, okungaphansi, okulinganayo. Barikeze ithuba lokusebenza ngezinto zabo zokubala. Qala ngezinombolo ezincane.</p> <p>- Ngokuhlanganisa ulwazi: izitsha kufanele zibekhona ngesikhathi semidalo yananzi nemidalo yesihlabathi ukunikeza amathuba okusebenzisa olwazi olufana nokungaphezulu ukune, ukungaphansi ukune nokulinganayo.</p>	<p>Noma ziphi izinto ekilasini</p> <p>Noma ziphi izinto ekilasini</p>	<p>Usuku olu-1</p>	<p>Isithombe nekhadi elivezwayo lamachashazi</p> <p>Izinto zokubala</p>

Isono 12	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko Bala izinto 1.1	<p>Ukubona nokukhomba uphawu lwenombolo negama lenombolo esebeenzisa inombolo 2</p> <p>Ukukhuluma:Bala izinto zansukuzonke kufinyelele koku 2. Bala uye phambili ubuye uye emumiva kufinyelela koku 2.</p> <p>Ukubala ngokokusakuhaba 1-7</p> <p>Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa”.</p> <p>Shaya izandla kaningi ...IMA.</p> <p>Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -2.</p> <p>Ukusebenza komzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Gqoma ibhola kanye, ngamanye amagama okwenzeka ngokuphinda ka 1. - Gqoma ibhola kabili, ngamanye amagama okwenzeka ngokuphinda ka 2. - Dweba inombolo okubili phansi bese abafundi behamba phezu kwenombolo okubili. - Dweba uphawu lenombolo okubili esihlabathini, emoyeni, kukhaphethi njil. - Yenza inombolo 2 ngobumba lokudlala. - Thola aBangani aba 2 abaggqoke izicathulo. <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Baphakamise into yokubala eyodwa. - Baphakamise izinto ezimbili zokubala. 	<p>Uku bono</p> <p>Iculo nomlolozelo wezinombolo</p>	<p>Amabholo Ibumba lokudlala</p>	Usuku Olu-1

Isono 12	Izikhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)		
Isihloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	Izithombe ezisebenzisa izimo ezi 2-D Yenza abafundi: <ul style="list-style-type: none"> - Khomba ikhadi elivezwayo lesithombe ulixhumanise nezinto ezine nombolo efanayo - Khomba ikhadi elivezwayo elimakwe ngamachashazi amabili lesithombe ulixhumanise nezinto ezinemnobolo efanayo - Khomba ikhadi elivezwayo lesithombe ulixhumanise nezinto ezine nombolo efanayo - Khomba uphawu lwenombolo 2 esithombeni esinikwe uthisha. - Kulaphi kwenye indawo lapha ekilasini obona khona inombolo 2 - Hlukanisa ikilasi libe ngamaqoqo uwanikeze ithuba lokuba adiale odomino bengamaqoqo. 	Izithombe ezisebenzisa izimo ezi 2-D Izithombe sesinto ezi-2 2 kubili Izinto zokubala Izithombe eziveza uphawu lwenombolo 2	Usuku Olu-1

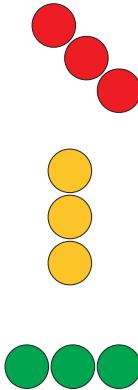
Isono 12	Izikhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko 1.7 Ukuhlanganisa nokususa	<p>• Izinkingga zezibalo zamagama ezixazuluwa ngokuxoxa (izibalo zengxoxo) esebenzisa inombolo 2</p> <p>Ukusebenza komzimba Izibonele:</p> <ol style="list-style-type: none"> 1. Uthisha ubiza umfundu o- 1 eze phambili. Abafundi bambale. Uthisha ubiza ubiza omunye o- 1 abese ebuza: Bangaki abafundi sebebonke? 1 no 1 → 2. (uthisha athi: 1 no 1 kwenza 2) 2. Uthisha upakisha eceleni isitulo esi 1. Ngeza 1 ngaphezzulu. Zingaki izitulo ezikhona manje? 1 no 1 → 2. 3. Uthisha uphakamisa imino emi 2. Abese ethi: "bala imino yami. Uma ngifihla owodfa, mirgaki iminwe oyibonayo? 2 ususe 1 → 1. 4. Uthisha uphakamisa imino emi 2. Abese ethi: "bala imino yami. Uma ngingassusi munwe, mirgaki iminwe oyibonayo? 2 ususe 0 → 2. 5. Kunengane eyodwa ekhaya. Omunye afike ukuzodlala. Zingaki izingane ezikhona manje? 6. Kunezingane ezimbili etafuleni. Ingane ngayinye ifuna isitulo sayo. Zingaki izitulo esizidngayo? <p>Izinto eziphathetekayo kusebenza izinto ezi 3-D Izibonele: (kusebenza izinto zokubala)</p> <ol style="list-style-type: none"> 1. Uma unekhekhe ellodwa bese umama ekunika elinye ikhekhe, uzoba namakhekhe amangaki? 2. Uthisha unezinto ezimbili zokubala esandleni esisodwa kwesinye isandla akukho lutho. Zingaki izinto anazo sezzonke? 3. uBuhle unamabhola ama 2 eli 1 libhampe laya kude. Mangaki amabhola anawo asele? 4. Uma unamabhuloki ama 2 bese unikeza umngani ibhuloki eli 1, mangaki amabhuloki umuntu ngamunye anawo? 	<p>Amaculio nemilozeloo yezinombolo</p>	Usuku Olu-1	

Isono 12	Izikhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (Okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>1.4 Chaza, qhathanisa bese uhlela izinombolo</p> <p>• Hielia uqhathanise izinto eziqoqwelwe ndawonye ngokusebeniza “Okungaphansi ukune”</p> <p>Ukukhuluma:Bala izinto zansukuzonke kufinyelele koku 2.</p> <p>Ukgucizilela ulwazi loku “Kuningi” noku “Okumbalwa” .</p> <p>Shaya izandla kaningi ...IMA.</p> <p>Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -2.</p> <p>Ukusebenza komzimba</p> <ul style="list-style-type: none"> - (ukuhlanganisa ulwazi nobuciko bokwenza esifundweni samakhno empilo - ukudansa) - Cula iculo: “Khanda namahlombe, amadolo nezizwane” kuculwe onke amagama awaculwe kusaculwa ngomjikelo wokokugala - Umijkelo wesibili wokucula kuculwa iculo kusale igama elliodwa lingaculwa isib. “khanda mahlombe, sifuba …, sifuba,” - Umijkelo wesithathu cula iculo ngokushiya eliniye igama isib. Khanda mahlombe, - Uthisha ukhomba lokho abakushoyu uma besacula amagama kuze kufike lapho bengasasho lutho khona <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Uthisha wenza izintambo ezione ezinobuhlu.</p> <p>Beka ubuhlu obu 3 entanjeni yokuqala, ubuhlu obu 2 entanjeni yesibili, ubuhlu obu 1 entanjeni yesithathu kanye nobuhlu obu 3 entanjeni yesine.</p> <p>Yenza abafundi bakhombe:</p> <ul style="list-style-type: none"> - Lyiphi intambo enobuhlu obumbalwa? - Lyiphi intambo yobuhlu enobuhlu obu 1 ngaphezelu kwale enobu 2? - Lyiphi intambo yobuhlu enobuhlu obu 1 ngaphansi kwale enobu 3? 	<p>Amaculo nemilolozele yezinombolo</p>	<p>Usuku Olu-1</p>	

Isono 12	Izikhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.4 Chaza, qhathanisa bese uhela izinombolo	<p>Izithombe ezisebenzisa izimo ezi 2-D</p> <ul style="list-style-type: none"> - Yenza abafundi baqhathanise isithombe nekhadi elivezwayo lamachashazi. Khomba amakhadi anokungaphezulu ukunokunye nomu okungaphansi ukunenombolo enikezwe uthisha isib. Ilyphi ikhadi elinenombolo engaphelzulu koku 2? - Yiliphi ikhadi elingaphansi koku 4?  <p>Gcizelela uqhatthanise izinto ezingambili eziqoqelwe ndawonye ngokusebbenzisa:</p> <ul style="list-style-type: none"> - Okungaphezelu ukune, - Okungaphansi ukune(okumbalwa) <p>Ukukhulumra:Bala izinto zansukuzonke kufinyelele koku 2.</p> <p>Ukubala ngokokusakuhaba 1-7</p> <p>Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa”.</p> <p>Shaya izandla kaningi ...IMA.</p> <p>Shaya izandla kambalwa. Uthisha ushaya izandla kuze kube ka -2.</p>	<p>Akha isithombe kanye nesethi yamakhadi lamachashazi.</p> 	<p>Usuku olu-1</p>	<p>Usuku olu-1</p>

Isono 12	Izikhathi Zukufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (Okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>1.4 Chaza, qhathanisa bese uhela izinombolo</p> <p>Izithombe ezisebenzisa izimo ezi 2-D</p> <p>Beka iqoqo lezinto phezu kwetafula uzihlukanise zibe:</p> <ul style="list-style-type: none"> - Amaqoqo alinganayo (eyodwa eyami, eyodwa eyakho) - Amaqoqo angalingani (qhathanisa ukubona ukuthi iiphi iqoqo elinokungaphezulu/ okungaphansi nokuthi imaphi afanayo) - Uma kunamaqoqo amabili angalingani, yini okufanele siyenze ukuwenza alingane/ afane? <p>3.2 izinto ezinhlangothi ntathu (3-D) kanye</p> <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bahlele izinto ezinhlobonhlobo ngobungako besilinganiso - Bahlele babuye baqhathanise amabhuloki okwakha ahlekene ngobukhulu bawo (elikhulu nelincanel). - Hlela amabhuloki nfokuba nezimo ezifanayo <p>3.3 izimo ezinhlangothi mbili (2-D)</p> <p>Izithombe ezisebenzisa izimo ezi 2-D</p> <p>Hlukanisa abafundi babe amaqoqo amahlau. Nikesa iqoqo ngalinye izinhlobonhlobo zezakhwiwo.</p> <ul style="list-style-type: none"> - Yenza abafundi bahlele izimo ngokwe: <ul style="list-style-type: none"> o Umbala o Izimo (noma ngaba abafundi abazazi izimo). o ubukhulu - sebenzisa amakhadi emidalo athuthukisa ulwazi lwemibala, ubukhulu nezimo 	<p>Izithombe ezisebenzisa izimo ezi 2-D</p> <p>Beka iqoqo lezinto phezu kwetafula uzihlukanise zibe:</p> <ul style="list-style-type: none"> - Amaqoqo alinganayo (eyodwa eyami, eyodwa eyakho) - Amaqoqo angalingani (qhathanisa ukubona ukuthi iiphi iqoqo elinokungaphezulu/ okungaphansi nokuthi imaphi afanayo) - Uma kunamaqoqo amabili angalingani, yini okufanele siyenze ukuwenza alingane/ afane? <p>3.2 Chaza, uhlele bese uqhatthanisa izinto ezi 3-D nezimo ezi 2-D</p> <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bahlele izinto ezinhlobonhlobo ngobungako besilinganiso - Bahlele babuye baqhathanise amabhuloki okwakha ahlekene ngobukhulu bawo (elikhulu nelincanel). - Hlela amabhuloki nfokuba nezimo ezifanayo <p>3.3 Izithombe ezisebenzisa izimo ezi 2-D</p> <p>Hlukanisa abafundi babe amaqoqo amahlau. Nikesa iqoqo ngalinye izinhlobonhlobo zezakhwiwo.</p> <ul style="list-style-type: none"> - Yenza abafundi bahlele izimo ngokwe: <ul style="list-style-type: none"> o Umbala o Izimo (noma ngaba abafundi abazazi izimo). o ubukhulu - sebenzisa amakhadi emidalo athuthukisa ulwazi lwemibala, ubukhulu nezimo 	<p>Usuku olu-1</p> <p>Usuku olu-1</p> <p>Usuku olu-1</p>	<p>Isikhathi Esilinganisiwe</p>

Is onto 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)		
Ishloko	Amanothi Acacisayo	Izsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Ukwethula okuchazwa inombolo 3 Ukukhulumu:ukubala izinto zansukuzonke kufinyelele koku 3. Ukubala uye phambili ubuye uye emumva 3. Ukubala bephimisela 1-7 Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa” . Shaya izandla kaningi ...IMA. Shaya izandla kambalwa. Uthisha ushayaya izandla kuze kuge ka -3 	<p>Iculo nomlolozelo wezinombolo</p> <p>Ukusebenza komzimba</p> <ul style="list-style-type: none"> - Uthisha udlala isigubhu noma umculo. Uma umculo uma abafundi bakha amaqoqo okuthathu. - Buza abafundi ukuthi ubani onomndeni owakhiwe abantu aba 3. - Abafundi bama emugqeni; uthisha abuze “ubani uwestitathu emugqeni?” - Hlukanisa abafundi babe amaqoqo angu ±5 - Yenza abafundi: - Dabula amakhasi amathathu ebbukwini lefon ielida. - Fonyoza amakhasi amathathu aben ngamabholu aqine ngokungenzeka. Ukuithuthukisa ukujonda esokudla nesobunxele kusetshenziswa isandla okuyisona esisebenza kakhulu. Umfundu angahlala ngasesandieni esingasebenzi kakhulu. - Vula amabholu uphinde uwafonyoze. - Bala amabholu emva kokuba wonke esemfonyoziwe. - Ngesikhathi ebalwa awaphonswe kubhasikidi obekwe phakathi nendawo neqembu. - ukuhlanganisa ulwazi nobuciko bokwenza esifundweni samakhono empilo - ukudansa) 	Usuku olu-1

Isono 13 Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko Amanothi Acacisayo	Izsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe	Izinto zokubala Usuku olu-1
1.1 Bala izinto Yenza abafundi: <ul style="list-style-type: none"> - Khomba izinto ezi-3 ekilasini. - Phakamisa iminwe emi-3 . - Beka izinto ezi 3 phezu kwetafula. Umfundsi ngamunye uza etafulenii ukubala into ngayinye. Umfundsi uthinta into beqhubeka nokubala.uphinde ngezinye izinto. - Thuthukisa ukugaphela ukugcinwa kwezinombolo ngokuvumela abafundi ukupakisha izinto zokubala ezintathu nomia eziyee izinto ngezindela ezahlukene isib. 	Izinto eziphathekayo kusebenza izinto ezi 3-D		

Isono 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe						
1.3 Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Ukwaazi izimpawu zezinombolo nokubona amagama ezinombolo efaka oku 3 Ukubala uye phambili ubuye uye emunya 3. Ukubala bephimisela 1-7 Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa” . Shaya izandla kaningi ..IMA. Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -3 Izinto eziphathetkayo kusebenza izinto ezi 3-D <ul style="list-style-type: none"> Nikeza umfundi ngamunye amakhiyubhi axhunywayo ama 3 Uthisha ukhomibisa ichashazi, isithombe, ikhadi lophawu nenombolo afaka izinombolo 1 kuya 3. Abaafundi bafunda inombolo eshiwo babeke inombolo efanayo yamakhiyubhi afanayo eminweni yabo. 	<p>Amakhiyubhi axhunywayo Amakhadi ezinombolo afaka 1 kuya 3</p> <table border="1"> <tr> <td>Isithombe</td> <td>Sezinto</td> <td>ezi 3</td> </tr> </table> <table border="1"> <tr> <td>3</td> <td>3</td> <td>okuthathu</td> </tr> </table>	Isithombe	Sezinto	ezi 3	3	3	okuthathu	<p>Usuku olu-1</p>	
Isithombe	Sezinto	ezi 3								
3	3	okuthathu								

Isono 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)	Amanothi Acacisayo	Iznsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko 1.7 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Xazulula izinkingga ezishwo ngokuxoxa zokuhlanganisa nokususaezinezixaxululo ezifinyelela koku 3 <p>Ukukhulumu:ukubala izinto zansukuzonke kufinyelele koku 3.</p> <p>Ukubala uye phambili ubuye uye emumva ngoku 3.</p> <p>Ukusebenza komzimba</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> Uthisha ubiza abafundi aba-2 beze phambili. Abafundi bababale. Uthisha ubiza omunye o- 1 abese ebuza: Bangaki abafundi sebebonke? 2no 1 → 3. (uthisha athi: 2no1 kwenza3) Uthisha upakisha eceleni izitulo ezi 3.angabe esangeza lutho ngaphbezulu. Zingaki izitulo ezikhona manje? 3 no 0→3 Uthisha ubiza abafundi aba-3 beze phambili.Bababale. Uthisha uphindisa abafundi aba 2 emuva. Bangaki abafundi abasele? 3 susa 2→1 <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Nikeza umfundi ngamunye izinto zokubala ezi 3. Njengoba uthisha "exoxa indaba" abafundi upakisha izinto zokubala.</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> uTholi unamawolintshi ama 2 no Xolo umnikeza elinye eli 1.uTholi unamawolintshi amangaki manje? 2 no 1→3 (uthisha uthi: 2 no 1 kunikeza oku 3). Kunenyoni e-1 ehleli egatsheni lesihlahla kwaifikia ezinye izinyoni ezi- 2 zahlaa.Zingaki- ke izinyoni ezikhona egatsheni manje? 1 noku 2→3. <p>Izibonelo:</p> <ol style="list-style-type: none"> Inkwu inobhanana abaa 3 yase idla o-1. Bangaki obhanana esele nabo? 3 ususa 2→1. Kunama apula ama 2 esihlahleni. I-apula eli 1 lawa. Mangaki ama-apula asele esihlahleni? 2 susa 1 kwenza→1. 	<p>Usuku olu-1</p> <p>Amaculo ezinombolo nemilozelo.</p>	<p>Izitulo</p>	<p>Usuku olu-1</p>

Is onto 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	
Ishloko	<p>2.1 Amaphethini okusazibalo mdwebo</p> <p>Ukusebenza komzimba Abafundi bahlala bakhe indilinga. Besho amaphethini amagama</p> <p>Isibonelo:</p> <p><i>Inja, ikati, injia, ikati uBhanana, i- apula, iwolintshi, iwolintshi, i-apula, ubhanana. uTholi, uJabu, uNomusa, uTholi, uJabu, uNomusa kubomvu, kulihikaza, kulihikaza, kubomvu, kulihikaza njil. Waka, waka, eh, eh, waka, waka, eh, eh</i></p> <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Qoqa izinto ezi 3 ezifanayo ekilasini isib. amakhirayoni ama 3 - Qoqa ezinye izinto ezi 3 ezifanayo ekilasini isib. amabhuloki ama 3 kaLego - Abafundi bakha eyabo iphethini besebenzisa izinto ezimbili isib. - Ikhirayoni eyodwa,ibhuloki ka Lego, ikhirayoni eyodwa - Amakhirayoni amabili, ibhuloki eyodwa ka Lego, amakhirayoni amabili, ibhuloki eyodwa ka Lego - Vumela abafundi ukwakha amaphethini ngezindlela ezechlukene. - Shintshana nonmngani ngezinto kuphindwe futhi obekwenzwa. 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Isikhathi Esilinganisiwe</p> <p>Usuku olu-1</p>

Isono 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>3.3 izimo ezinhlangothi mbili (2-D)</p> <p>Bona, ukhombe igama lesimo esi 2-D ekilasini okufaka nezithombe ezi</p> <ul style="list-style-type: none"> - Unxantathu • Gcizelela ulwazi olutholakele emasontweni ama-4 ukubona, ukubona negama likanxantathu <p>Ukusebenza komzimba</p> <p>Dweba, noma usebenzise intambo ukwakha isiphetlo sesimo esikhulu sikanxantathu</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - bahambe bazungeze isimo babuke ukwakheka kukanxantathu. Ngeskhati behamba abafundi mabathi: "ngihamba eduze kukanxantathu. Kunye, kubili, kuthathu izimhlangothi noma kunye, kubili, kuthathu amakhona (amachpho) uthisha ukhomba unxantathu ukuthi "unamakhona" ama 3 nezinhlangothi ezintathu. - Dweba unxantathu emoyeni nase/noma eshilabathini - Akha unxantathu ngobumba <p>Izinto eziphathetkayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khumbula ubone izinto ekilasini ezinezimo ezingunxantathu. - Khumbula ubone izinto ezinezimo zemvelo ezingunxantathu. - Beka izinto ezinobukhulu obuhulkene izindilinga nonxantathu "esikhwameni sokuzwa". Khomba unxantathu phakathi kvezinye izimo. 	<p>Usuku olu-1</p>	<p>Ubumba noma ubumba lokudlala</p> <p>Izinto ezingonxantathu ekilasini nasendaweni abakuyo</p>	<p>Akha amakhadi akho anezindilinga ezi5 ezahlukene, onxantathu, nezikwele kuwona</p>



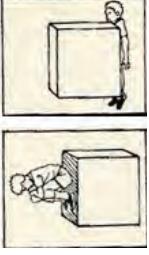
Isono 13	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)	Ishloko	Amanothi Acacisayo	Izsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 izimo ezinhlangothi mbili (2-D)	Hela izinto ezi 3-D nezimo ezi 2-D - Hela izinto ezahlukalhukene ngokwewimo nemibala. Izithombe ezisebenzisa izimo ezi 2-D Yenza abafundi: - Bakhombe isimo esingunxantathu ezithombeni. - Dweba unxantathu ephepheni. - Kopisha unxantathu ekhadini elinikeziwe. - Dweba uzungeze zonke izindiliinga ephepheni lokusebenzela. - Akha izithombe usebenzisa onxantathu ngesikhathi sobuciko obubonakalayo. - Dlala amakhadi okudlala ukusekela ukugcizelela ulwazi lwezimo.			Izithombe lapho kungakhonjiwa khona onxantathu. Amakhadi okudlala ukuthuthukisa ukubona izimo njenge "yini esesikweleni" Izimo ezilogi njii.	Usuku olu-1

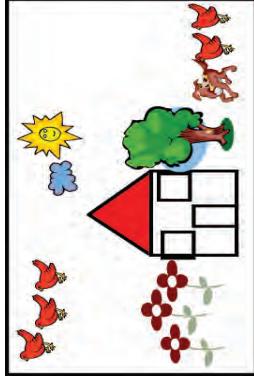
Isono 14	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izihloko	Isikhathi Esilinganisiwe
1.1	Bala izinto	Amanothi Acacisayo	Usuku olu-1
<ul style="list-style-type: none"> Gcizelela ulwazi olutholakele elifaka inombolo oku 3 Ukukhulumaa:ukubala izinto zansukuzonke kufinyelele koku 3. Ukubala uye phambili ubuye uye emumva 3. Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa” . Shaya izandla kaningi ...IMA. Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -3 <p>Izinto eziphathekayo kusebenza izinto ezi 3-D</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Thola izinto ezi 3 ezisekilasini ezibomvu. - Yakha inombolo 3 ngobumba. - Gingqa amabholaa amakhulu ama 3 obumba. - Gingqa amabholaa amancane ama 3 obumba. - Thola abafundi aba 3 ekilasini abagqoke umbala ofanayo 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Amaculo ezinombolo nemilolozeo.</p>		

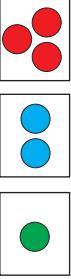
Is onto 14	<p>Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)</p>		
Ishloko	1.7 Ukuhlanganisa nokususa	<p>Amanothi Acacisayo</p> <ul style="list-style-type: none"> Xazulula izinkingga ezishwo ngokuxoxa zokuhlanganisa nokususaezinezaxaxululo ezifaka koku 3 <p>Ukukhulumu:ukubala izinto zansukuzonke kufinyelele koku 3.</p> <p>Ukubala uye phambili ubuye uye emumva ngoku 3.</p> <p>Ukusebenza komzimba</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> Uthisha ubiza abafundi aba 2 beze kukhapethi abese ebiza omunye oyedwa. Bangaki abafundi uthisha ababizele kukhapethi? Uthisha athi: 2 noku 1 kukunika 3. Kunezingane ezintathu. Ingane ngayinye ifuna amakhirayoni ayo. Mangaki amakhirayoni adingekayo? Izingane ezintathu zimi ndawonye. Eyodwa iyaphuma endlini. Zingaki ezisele? <p>Izinto eziphathetekayo kusebenza izinto ezi 3-D</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> Uthisha ubeka izinto zokubala ezi 3 phezu kwetafula. Ususa izinto zokubala ezi 2.Zingaki izinto zokubala ezisele pheezu kwetafula? Uthisha uthi oku 3 ususa 1 kukunika 2. uLindiwe unamakati ama 2 waphinda elinye ikati eli 1 kuShesihle. Mangaki amakati uLindiwe asenawo esewonke? 1 no 2→3. Uthisha uthi 1 no 2 kukunika 3. Uma ikati eli 1 linomsila o 1, amakati amathathu anemisila emingäki? 1 no1no1→3 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Isikhathi Esilinganisiwe</p> <p>Usuku olu-1</p>

Is onto 14	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>2.1 Amaphethini okusazibalo mdwebo</p> <ul style="list-style-type: none"> Qedela iphethini elinikeziweelinezinto ezi 2 <p>Ukusebenza komzimba</p> <ul style="list-style-type: none"> - Yenza abafundi bakopishe iphethini yokwenza isib. Khele, khele, gxuma, gxuma, khele, khele, gxuma..... - Abafundi baqedela iphethini besebebenza imizimba yabo isib. omunye uma eduze komunye beshintsha izandla ekhanda, izandla okalweni, izandla ekhanda, izandla okkalweni, izandla ekhanda <p>Izinto eziphathetekayo kusebenza izinto ezi 3-D</p> <ul style="list-style-type: none"> - Yenza abafundi bakopishe iphethini yezinto isib. Ubuuhluu, ubuuhluu, uthi, ubuuhluu, ubuuhluu, uthi <p>Izithombe ezisebenzisa izimo ezi 2-D</p> <ul style="list-style-type: none"> - Uthisha unika abafundi izinhlobo zezithombe eseziiskiwe. (Sika izithombe ngesikhathi somsebenzi wobuciko obubonakalayo) - Uthisha ugala iphethini abafundi bakopishe iphethini enkezevi isib. Isithombe sekhofi, itye, ushukela.... - Yenza abafundi baqedele iphethini ngokudweba i: - Imbali, iqaburga, imbali..... - Indilinga eluhlaza, indilinga ebomvu, indilinga eluhlaza..... njil. 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>Usuku olu-1</p>	<p>Izithombe zezikhangisi.</p> <p>Iphepha elingu A4 namakhirayoni</p>	

Is onto 14	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko Izinto ezinhlangothi ntathu (3-D)	Amanothi Acacisayo 3.2 Izinto eziphathekayo kusebenza izinto ezi 3-D Hlukanisa abafundi amaqoqo ama 5. <ul style="list-style-type: none">- uThisha iqoqa izinto ukuze iqoqo ngalinye lizozihlela okungenani ngezindilea ezethile ezimbili (kungaba nangapnezulu).- Nikeza iqoqa lezinto zezinhhlobo ezimbili ezingahlewa. Yenza abafundi: <ul style="list-style-type: none">- Hlela izinto ngokufana nangokuhluka kwazo. Izithombe ezisebenzisa izimo ezi 2-D Gcina abafundi besemaoqoweni afanayo. <ul style="list-style-type: none">- Qhathanisa uhole izithombe ezehlukene eziqiqwe uthisha isib. Isib. Izithombe zezingubo ezahlukene, ukudia, ifenisha, izithuthi njll.- Yenza abafundi baqedele ishidi lokusebenzela begondanisa izithombe ezimbili ezifanayo isib. Ibhulashi nomuthi wokuxubha, ithawula lokugeza ubuso nensipho.	Izinsiza kufundisa ezimconyiwe Izinto ezifana ne: Izinto zokugqoka ezechlukene Izithelo ezechlukene Izilwane zoplastiki ezechlukene zasepulazini Izimo ijiyometri ezechlukene (Different geometric shapes) Mabhuloki okwakha ehlukene Amabhuloki ehlukene kaLeg Izinto ezechlukene ezitholakala emvelweni ezifana namaqabunga, izinti, amatshe njll. Izinkinobho ezechlukene njll. Izivalo zamabbodela ezinemibala eyehlukene Amakhirayoni ehlukene Qoqa izithombe emabhukwini naseziqeshini zezikhangisi. Sika unamathisele emakhadini.	Isikhathi Esilinganisiwe Usuku olu-1
------------	--	--	---	--	--

Isono 14	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe
Ishloko	<p>3.1</p> <p>Isikhundla, isimo nokubukeka kwento</p> <p>Ukusebenza komzimba</p> <p>Umfundsi ngamunye uhl phezu kwesitulo.</p> <ul style="list-style-type: none"> - Abafundi bakukhombisa okungaphezulu nokungaphansi ngokulandela imilayelo kathisha isib. Hlala phezu kwebhokisi, iala ngaphansi kwebhokisi noma kwetafula. - Hlala ngaphansi kwetafula. Zenze ubemcane ngokungenzenka ngaphansi kwetafula. - Ima phezu kwesitulo bese uzinweba kakhulu ngokungenzenka. - Khwela phezu kwetafula ushwibe izingalo zakho ngezindiliinga ezinkulu nezincane. Qhubeka isebenzise okukhulu ukunei/ nokuncane ukune. - Beka ibholuki phezu kwekhanda bese ugibela phezu kwetafula. - Khetha abafundi abahlau usebenzisa umlolozelo wezinombolo. - Hlebelu umfundsi ngamunye umyalelo. <ul style="list-style-type: none"> o Hlala nezandla zakho ngaphansi kwemilenze o Hlala nezandla zakho ngaphansi kokhalo o Hlala nezandla zakho emhlane o Hlala nezandla zakho emahlombe o Sukuma nezandla zakho ziphambene ngaphambili <p>Abafundi bami ngaphambili ngesikhathi abanye behlezi kukhaphethi.</p> <p>Buza abafundi:</p> <ul style="list-style-type: none"> - Wenzani umfundsi wokuqala? (<i>uhlez</i>) - Zlaphi izandla zakhe? (<i>izandla zakhe zingaphansi kwemilenze</i>) - Phinda nabarye abafundi usebenzisa owesibili, owesithathu, nowokugcina. - Khetha iqoqo elisha ukwenza okufanayo - Khiphela abafundi phandle ubenze bakhombise ulwazi loku "phezu", "ngaphansi", no "okungaphezulu" ngokukhombisa ukukhuthalela. 	 <p>Abafundi Ibhokisi</p> <p>phezu ngaphansi</p>	

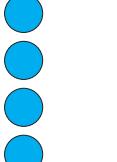
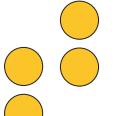
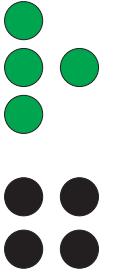
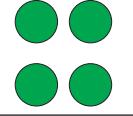
Isono 15	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe
Ishloko	Amanothi Acacisayo	
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ulwazi olutholakele elifaka izinombolo 1,2 no 3 Ukukhuluma: ukubala izinto zansukuzonke kufinyelele koku 3. Ukubala uye phambili ubuye uye emumva 3. Ukubala bephimisela 1-7 Ukugcizelela ulwazi loku "kuningi" noku "okumbalwa". Shaya izandla kaningi ...IMA. Shaya izandla kambalwa. Utthisha ushaya izandla kuze kuge ka -3 <p>Ukusebenza komzimba Gquqzelala abafundi ukuthola: - Ingxenye e 1 yomzimba enyakazayo enganyakaza ukuya phezulu naphansi, ecaleni elliodwa nakwelinye ngokwalo isib.ulimi. - Izingxenye ezi 2 ezisetshenziswa uma kugxunyyva isib. imilenze</p> <p>Izinto eziphathetekayo kusebenza izinto ezi 3-D Yenza abafundi bathuthukise umqondo wenombolo: - Sebenzisa amabhuloki ama 3 ukwakha umbhoshongo - Ukuthola izinto ezi 3 ezisekilasini ezibomvu.</p> <p>Izithombe ezisebenzisa izimo ezi 2-D Uthisha udweba isithombe esilula - Uthisha ubuza imibuzzo okuxhumene nenombolo yezinto ezisethombeni isib. Ubona amafasitela amangaki njii?</p>	<p>Izinsiza kufundisa ezinconyiwe Amaculo ezinombolo nemilozezo.</p> <p>Imizimba yabafundi. Ukucula nokulingisa iculo isib. 'bezintathu embhedeni kanye , imilozezo yokubala isib. "kunye kubili, faza icizathulo".</p>  <p>Amabhuloki Izinto ezibomvu</p>
1.2 Bala uya phambili nasemnumva	<ul style="list-style-type: none"> Sebenzisa izinombolo 1, 2 kanye no-3 esimweni abasejwayele Ukukhuluma: ukubala izinto zansukuzonke kufinyelele koku 3. Ukugcizelela ulwazi loku "kuningi" noku "okumbalwa". Shaya izandla kaningi ...IMA. Shaya izandla kambalwa. Utthisha ushaya izandla kuze kuge ka -3 	<p>Usuku olu-1</p> <p>Amaculo ezinombolo nemilozezo.</p> <p>- Gquqzelala abafundi ukuthi bakhumbule inombolo yabo yasekhaya nekheli</p>

Isono 15 Ishloko	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelewé ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto) Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe Usuku olu-1
1.2 Bala uya phambili nasemumvwa	Izithombe ezisebenzisa izimo ezi 2-D Yenza abafundi: <ul style="list-style-type: none"> - Bheka izithombe ezinombolo 1, 2 no 3 ebhukwini nasemaphepheli ezikhangiso uwananamathissele ephepheni.(hlanganisa nobuciko obubonakalayo) - Qondanisa inombolo yezinti nemombolo yamachashazi ekhadini elivezwayo. - Khombisa ikhadi lamachashazi. Abafundi baphosa inombolo efanayo yezikhwanyana zikabhortshisi ebbokisini - Dlala ibhodi lomudlalo "Izinyoka nezitebhisi" nama "dominoes" . Amanothi: Izinombolo zisizungezile: <ul style="list-style-type: none"> - Inombolo ngayinye inenombolo - Sonke sinezinombolo zocingo ezehlukene - Siyazibona izinombolo emafasiteleni ezitolo. - Siyazibona izinombolo emikhiqizweni uma sithenga esitolo - Siyazibona izinombolo ezimotweni 	Izinsiza kufundisa ezinconyiwe Amabhuку, izikhangiso Ikhadi elivezwayo elinamachashaza  Isikhathi Esilinganisiwe Usuku olu-1
1.4 Chaza, qhathanisa bese uhlela zinombolo	• Hela bese ugathanisa izinto eziqoqiwe usebenzisa “kuningi kune,kuncane kune” kanye “kuyalingana”ufike kunombolo yesi-3 Ukusebenza komizimba Biza abafundi abathathu beze ngaphambili .Mabahale benze indilinga <ul style="list-style-type: none"> - Abafundi ababili mabame. Bangaki abaheli? Babale. Bangaki abamile? Babale. Iyiphi inombolo enkulu /nenabaningi, iyiphi inombolo enokukuncane /okumbalwa? - Abafundi abathathu abame. Babale. Iyiphi inombolo enokuningi/ okuncane? Umfundu oyedwa ngaphezulu makame. Babale. Ingabe abafundi abamile baningi yini kunabafundi abaheli? - Phinda ngezinombolo 1kuya koku-3 - Bala amantombazane.Bala abafana. Ingabe abafana baniningi kumamantombazane? 	1.4 • Hela bese ugathanisa izinto eziqoqiwe usebenzisa “kuningi kune,kuncane kune” kanye “kuyalingana”ufike kunombolo yesi-3 Ukusebenza komizimba Biza abafundi abathathu beze ngaphambili .Mabahale benze indilinga <ul style="list-style-type: none"> - Abafundi ababili mabame. Bangaki abaheli? Babale. Bangaki abamile? Babale. Iyiphi inombolo enkulu /nenabaningi, iyiphi inombolo enokukuncane /okumbalwa? - Abafundi abathathu abame. Babale. Iyiphi inombolo enokuningi/ okuncane? Umfundu oyedwa ngaphezulu makame. Babale. Ingabe abafundi abamile baningi yini kunabafundi abaheli? - Phinda ngezinombolo 1kuya koku-3 - Bala amantombazane.Bala abafana. Ingabe abafana baniningi kumamantombazane?

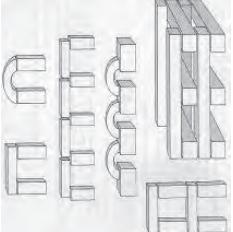
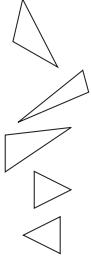
Isono 15	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe	
Ishloko	<p>1.4 Chaza, qhathanisa bese uhela izinombolo</p> <ul style="list-style-type: none"> Sebenzisa izinto eziphathhekayo ezhinlangothi ntathu (3-D) Hlukanisa abafundi babengamaqembu ama-5 Nika iqembu ngalinye isinqamu sentambowuli kanye nezinto ezi ± 5. Abafundi bakha isidleke ngewuli. - Uthisha unlebelia iqembu ngalinye ukuthi lenze iqoqo lezinto ezintathu noma ezimbili noma eyodwa esidilekeni. - Abafundi kumele bakhombe ukuthi yilphi iqoco elinezinto ezingaphhezu kweyodwa. - Yilphi iqembu elinezinto ezingaphansi kwezin tathu? - Yilphi iqembu elinezinto ezinenanai elifanayo? 			Usuku olu-1	
	<p>2.1 Amaphethini okussazibalo mdwebo</p> <ul style="list-style-type: none"> Kopisha bese uqedela iphetini elinikeziwe ngokwemibala obomvu, okuluhlaza nokuphuizi Ukusebenza komzimba Uthisha uyayilingisa iphetini. Aphindaphinde alandele isigqi isib. <ul style="list-style-type: none"> ○ Ihlombe, ukuchhwaba (iminwe) ihlombe, ukuchhwaba ○ Qhwaba, ihlombe, gxoba ,qhwaba, ihlombe, gxoba ○ Ihlombe, qhwaba, ihlombe, qhwaba,ihlombe, qhwaba <p>Izinto eziphathhekayo kusebenza izinto ezi 3-D Uthisha unika umfundi ngamunye imibala emi-3 obomvu, 3 okuluhlaza, 3 okuphuizi izinto zokubala noma izivalo zamabhdoleia.</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Kopisha iphetini elinikezwé uthisha isib. Obomvu, ouluhlaza,ophuzi nophuzi (phindaphinda kaningi ngephethini ehlikile) - Qedela iphetini oyinikiwe isib. Ophuzi, obomvu..... (phindaphinda kaningi ngephethini ehlikile) - Yenza abafundi bahlele izinto zokubala ngokwemibala emithathu ehlikene. <p>Izithombe ezisebenzisa izimo ezi 2-D</p> <ul style="list-style-type: none"> - Nikeza umfundi ngamunye iphepha - Yenza abafundi baqedele iphetini yesimo esi 2-D njengomphetho - Qedela isithombe sobuciko obubonakalayo ngokudweba isithombe phakathi nendawo. 	<p>Iphepha elingu A4 lomfundu ngamunye amakhilayoni</p> <table border="1"> <tr> <td>Karabo ○ △ ○ △</td> <td>Siya ○ ○ ○ ○ ○ ○</td> </tr> </table>	Karabo ○ △ ○ △	Siya ○ ○ ○ ○ ○ ○	Usuku olu-1
Karabo ○ △ ○ △	Siya ○ ○ ○ ○ ○ ○				

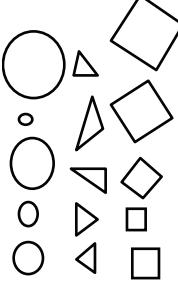
Isono 15 Isihloko	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelewé ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe
4.2 Ubude	<p>Qhathanisa uhlele izinto eziphathetekayo usebenzisa ulwazi Iwamagama ukuchaza ubude</p> <ul style="list-style-type: none"> - Okude, okufishane - Ukudana, okufishanyana - Okude kakhulu, okufishane kakhulu <p>Ukusebenza komzimba</p> <ul style="list-style-type: none"> - Yenza umfundsi oyedwa alale phansi, bese wenza abafundi babeke amabhuoloki eduze komzimba wakhe - Uthisha ucela abafundi bonke ukuba bakhe into ethile emfishane kunomngane wabo, nokude kunomngane wabo <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Isiphi isakhiwo esidana kuno? - Isiphi futhi isakhiwo eside kakhulu? - Isiphi isakhiwo esifushanyana? - Isiphi isakhiwo esifishane kakhulu? <p>Yenza abafundi bahlele izinto ezhinlobonhlobo</p> <ul style="list-style-type: none"> - Kusukela koklude kakhulu kuya kokufishane kakhulu - Kusukela kokufishane kakhulu kuya kokude kakhulu - Yenza abafundi baqhathanise ubude bezinto ezahlukene. <p>Uthisha unika abafundi izinqamu zentambo. Khuuthaza abafundi ukuba baqagele ngaphambi kokuthi bakale.</p> <p>Yenza abafundi bakale</p> <ul style="list-style-type: none"> - Ikhanda lomunye - izinyawo zomunye - amaqakala abo - izhlakala zabo <ul style="list-style-type: none"> - yenza baqhathanise ubude obehlukene ngokubona ukuthi isiphi isinqamu esidana nomina esifushanyana isib. Isinqamu sentambo esikale ikhanda sidana kunesikale ishlakala. - Yenza abafundi basho ukuthi ukuqagela kwabo bekuyiqiniso yini. 	<p>Amabhuoloki okwakha</p> <p>Amabhuoloki okwakha</p> <p>Intambo</p> <p>Izichibi zendwangu</p> <p>Amakhirayoni anobude obuhlukena</p> <p>Iwuli noma intambo</p> <p>abafundi</p>	

Isono 16	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> • Yethula ulwazi olutholakele olifaka inombolo oku 4 Ukukhulumwa:ukubala izinto zansukuzonke kufinyelele koku 4. Ukubala uye phambili ubuye uye emunya 4. Ukubala bephimisela 1-7 <p>Ukugcizelela ulwazi loku “kuningi” noku “okumbalwa” . Shaya izandla kamingi ...IMA. Shaya izandla kambalwa. Uthisha ushaya izandla kuze kuge ka -4.</p> <p>Ukusebenza komzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Nqekuzisa ikhanda ka 4 . - Kwenziwa inombolo 4 kusetshenziswa imizimba. - Abafundi basho ukuthi Bangaki abafundi abazobadinga. - Abafundi badlala amehlo. Uthisha ushaya phezu kwetafula ka 4 . - Bavula amehlo abo basno ukuthi kungalki ukushaywa kwetafula abakuzwile. Uphindwe ngezinombolo 1kuya 4. 		<p>Amaculo ezinombolo nemilolozelo Abafundi uqobo</p>		Usuku olu-1

Isono 16 Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko 1.1 Bala izinto	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Yenza abafundi: <ul style="list-style-type: none"> - Yenza inombolo 4 ngobumba lokudlala. - Thola aBangani abane 4 abagqoke izicathulo. - Thola izinto ezi 4 eziyindilinga. - Bopha amehlo abafundi ubenze babone izinombolo 1 kuya 4 ngokuzwa/ukudweba phezu kwenombolo yesendiphepha. - Thuthukisisa ukupaphela ukugcinwa kwenombolo ngokwenza abafundi bapakishe izinto zokubala ezine nomas eziyne izinto gezindlela ezahlukene isib.    	Isikhathi Esilinganisiwe Usuku olu-1
Izithombe ezisebenzisa izimo ezi 2-D	Yenza abafundi: <ul style="list-style-type: none"> - Babheke izithombe ezi 4 bese bezinamathisela ephepheni. - Baqondanise inombolo yezinto nemombolo yamachashazi ekhadini elivezwayo. - Khomba ikhadi elivezwayo elinamachashazi amane. 	Izithombe sezinto ezi 4		

Is onto 16	<p>Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwie iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)</p>		
Ishloko	<p>Amanothi Acacisayo</p> <p>1.4 Chaza, qhathanisa bese uhlela izinombolo</p> <ul style="list-style-type: none"> Sebenzisa inombolo 4 esimweni esijwayelekile <ul style="list-style-type: none"> - Ikwenza ucabangeni inombolo 4? Imoto - amasondo amane Isihlalo - imilenze emine Inja - izidida ezhne Itafula - imilenze emine - Ukituthukissa ukwazi izinto sakuhuba, khuthaza abafundi ukuba bazi izinombolo namakheli asemakubo sakuhuba. <p>Izinto eziphathhekayo kusebenza izinto ezi 3-D</p> <ul style="list-style-type: none"> - Nikeza ithuba lokudlala imidhalo yenombolo khadi ekhona ekilasini lakho. <p>Izithombe ezisebenzisa izimo ezi 2-D</p> <ul style="list-style-type: none"> - Khombisa ikadi lophawu lwenombolo 4. <p>Dlala imidhalo enjenga le:</p> <ul style="list-style-type: none"> - Uma inamba yomuzi wakini inenombolo 4 kuyona shaya izandla ka-4.. - Thola umngani ekilasini lakho onenombolo yendlu efanayo neyakho..(Abafundi babuza aBanganzi izinambaa zezindlu zabo) - Ekabani inombolo yendlu engaphezu kuka- 4? - Khombisa abafundi ikhadi elimamachashazi amane. - Khomba ikhadi elinezithombe ezine.. 	<p>Izinsiza kufundisa ezinconyiwe</p> <p>1.4 Usuku olu-1</p> <p>Amakheli emizi yakubo kwabafundi</p> <p>Abafundi</p> <p>4</p> <p>Noma imaphi amakhadi ezinombolo okudlala akhona.</p> <p>Izithombe sezinto ezi 4</p> <p>Amakhadi akhombisa izithombe ezi-4 kanye namachashazi ama-4.</p>	<p>Isikhathi Esilinganisiwe</p>

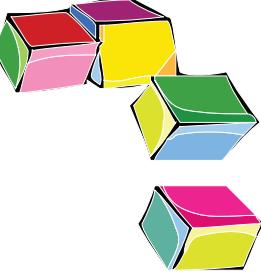
Isono 16 Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko 3.2 izinto ezinhlangothi ntathu (3-D)	Amanothi Acacisayo <ul style="list-style-type: none"> • Bona izinto ezinokwenzhiwa amabhuloki okwakha <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Basebenzise nomá lMAPHi amabhuloki amane ukwakha isakhiwo.. - Bakhe isakhiwo isingamabhuloki ama 3 ukuphakama nama5 ukuvundla. - Basebenzise amabhuloki amanini ngendlela abayidingayo ukwakha isitimela. - Bakhombe okunguyena owakhe isitimela eside kunabo bonke. - Bakhe umbhoshongo omude (Obheke phezulu). - Bakhe isakhiwo esiyicaba, isib. Umgwaqo nomá indlu (obheke ohlangothini). - Bakhombe owakhe umbhoshongo omude kunayo yonke. - Banikeze amabhuloki okwakha ngesikhathi esikhulekile sokudlala ngaphakathi ukuze abafundi baqhubeke nokusebenzisa amabhuloki okwakha. 	Izinsiza kufundisa ezinconyiwe 	Isikhathi Esilinganisiwe Usuku olu-1
Isono 17 Izinto ezinhlangothi mbili (2-D)	Izimo ezinhlangothi mbili (2-D)	<ul style="list-style-type: none"> • Bathuthukise ikhono lokwehlukanisa kwezimo endaweni yethu, ngaphandle kobukhulu noma iyengela yobukhulu. <p>Yenza abafundi emaqenjini angama-3:</p> <ul style="list-style-type: none"> - Ukgcina isimo (ukwenza kufane) <p>Okusebenzisa ukunyakaza komzimba</p>		Abafundi <p>Khetha okukodwa okuzosebenzisa umzimba, nemisebenzi izinto eziphathekayo nezithombe</p>
Isono 18 Izinto eziphathetekayo kusebenza izinto ezi 3-D	Izinto eziphathetekayo kusebenza izinto ezi 3-D	<ul style="list-style-type: none"> - Abafundi bahamba eceleni kukanxantathu ngamunye bazizwele izinhlobo ezzahlukene zamayengela ngemizimba yabo. - Sebenzisa 7 izinto zokubala uzibeke zakhe umugqa oqondile. 		<p>7 Izinto zokubala kumfundu ngamunye</p>

Isono 16	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 Izimo ezi 2-D	<p>Sebenzisa izinto zakhe umugqa ogobile.</p>  <p>Sebenzisa izinto zakubala ukwakha umugqa omazombezombe</p>  <p>Batshele ukuthi nakuba onxantathu babafundi bengafani kodwa leyo momo kusengonxantathu.</p> 			<p>Izinto eziphathetka ngokungaphelele ezisebenzisa izimo ezi 2-D</p> <p>Uthisha udweba izinhlobo ezinhlanu zezindilinga, zonxantathu kanye nezikwele ekhadini elivezwayo, isib.</p> 	<p>Amakhadi anezindilinga ezi -5 ezahlukene, onxantahtu nezikwele</p> <p>Uthisha uhlukanisa abafundi ngamaqembu. Yenza abafundi:</p> <ul style="list-style-type: none"> - Ukubona amakhadi avezwayo awunxantathu kwamanye ezinye izimo

Is onto 16	Izikhathi Zokufunda Eziphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Izhloko Ubude	4.2 Qhathanisa uhole izinto eziphathetekayo usebenzisa amagama amasha anembayo ukuchaza ubude	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe	Usuku olu-1
Ishloko Ubude	Qhathanisa uhole izinto eziphathetekayo usebenzisa amagama amasha anembayo ukuchaza ubude	Kude, kufishane - Kude ngokuite xaxa, kufishanyana - Kude kakhulu, kufishane kakhulu - Kufishane, kufishanyana, kufishane kakhulu - Kude, kude ngokuthe xaxa, kude kakhulu	Gcizelela ulwazi lobude Ukusebenza komizimba	<p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Babone ubude ngokuqhatanisa izinto nezinye. - Khomba ukuthi iyiphi into ende kakhulu nokuthi iyiphi emfishane kakhulu - Qhathanisa ubude babafundi ababili bese kukhonjiwa ukuthi imuphi umfundzi omfishane nomude - Qhathanisa ubude babafundi aBangaphezu kwababili bese ubuza imibuzzo efana nale "imuphi umfundzi omfishane kakhulu nokuthi imuphi omude kunabobonke. - Uthisha ulinganisa abafundi futhi esebebenzisa ishadi lobude kusukela kuthemu yokuqala. - Uthisha ushiya umsebenzi awubhalile wethemu edlule. (izandla ezinezimpawu zabafundi/zithombe) khona bezoqhatanisa izilinganiso ezimbili. - Abafundi babona ukuthi ngabe bakhulile ukunangethemu edlule. - Ubani ongakkulanga nhlobo? - Ubani okhulile kusukela ngethemu yokuqala? Isib. <ul style="list-style-type: none"> o USipho igxatho elingangesandla. o Ubude buka Themba busafana nasekuqaleni 	<p>Amapensela, intambo, amaphegi, njii.</p> <p>Isanda</p> <p>Ishadi lokulinganisa ubude</p>	

ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwe uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)				
Isonto 17	Ishloko	Amanothi Acacisayo	Izinsiza ezinconyiwé	Isikhathi esibekelwe
1.1 Bala izinto	<ul style="list-style-type: none"> Ukugcizelela ulwazi olutholwe ngokuqonda inombolo-4 <p>Ukukhulumo: ukubalaizinto ufile-4 nsukuzonke.</p> <p>Ukubala uya phambili nokubala uya emumva ufile ku-4.</p> <p>Ukugcizelela ulwazi “lokuningi” no “ikuncane”.</p> <p>Ukushaya ihlombe izikhathi eziningi IMA.</p> <p>Ukushaya ihlombe izikhathi ezimbawwa Shaya ihlombe ufile ko-4.</p>	<p>Ukusebenzisa umzimba</p> <p>Yenza abafundi ba;</p> <ul style="list-style-type: none"> - Bhala inombolo-4 emoyeni usebenzisa umunwe. - Ukucula iculo isib. ‘amabhdolela aluhlaza sasibhakabhaka alenga obondenit....’ - Phenduka izikhathi ezi-4. <p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu-3-D Yenza abafundi bathuthukiswe ngolwazi lwezinombolo ba:</p> <ul style="list-style-type: none"> - Dwebe esihlabathini inombolo-4. - Thola u-4 ngezinto ezinhlangothi ntathu-3-D ezigingqikayo - Yakhha amaphazlii ngezingxenye ezi-4. <p>Ukusebenzisa izimo noma izithombe zonhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Uthisha ukhetha amakhadi-4 anamagama. Uthisha uveza igama bese kulandela isithombe sethoysi nomu sesilwane. - Umfundi igama lakhe eliveziwe utschengisa ngokwenza umsindo walelothoyisi eliwenzayo. - Phinda ngokuyuveza onke amagama omane aze apheli. - Buza ukuthi mangaki amagama abafundi aveziwe? Mangaki amathoyisi/izithombe zezilwane ozibonile? 	<p>Amaculo nemilozezo yezinombolo</p>	Usuku olu -1

ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)		Isikhathi esibekelwe		
Isono 17	Ishloko	Amanothi Acacisayo	Izinsiza ezinconyiyewe	Isikhathi esibekelwe
1.3 Izimpawu namagama ezinombolo	Ukwazi izimpawu zezinombolo nokubona igama lenombolo 4. Ukugcizelela ulwazi “lokuningi” no “kuncane”. Ukushaya ihlombe izikhathi eziningi IMA. Ukushaya ihlombe izikhathi ezimbala. Shaya ihlombe ufile ko-4. Ukusebenzisa umzimba - Ukubhala inombolo uku-4 emoyeni. Bhala phansi, emhlane womngani wakho - Phakamisa iminwe e-4 - Utishaa udlaa isigubhu. Uma isigubhu sithula, abafundi bakha amaqenjana nga-4	Ukwazi izimpawu zezinombolo nokubona igama lenombolo 4. Ukugcizelela ulwazi “lokuningi” no “kuncane”. Ukushaya ihlombe izikhathi eziningi IMA. Ukushaya ihlombe izikhathi ezimbala. Shaya ihlombe ufile ko-4. Ukusebenzisa umzimba - Ukubhala inombolo uku-4 emoyeni. Bhala phansi, emhlane womngani wakho - Phakamisa iminwe e-4 - Utishaa udlaa isigubhu. Uma isigubhu sithula, abafundi bakha amaqenjana nga-4	Amaculo nemilolozele yezinombolo	Usuku olu -1
		Ukusebenzisa izimo nomazithombe zonhlangothi mbili2-D - Tsengisa abafundi amafashikhadi anenombolo-4 - Khomba igama lenombolo emakhadini ezinombolo - Hanganisa igama lenombolo nezinto ezilinan zaleyonombolo.	4 Kune	Iflashikhadi nenombolo Iflashikhadi negama lenombolo-ukune izinto ezinhlangothi ntathu 3-D

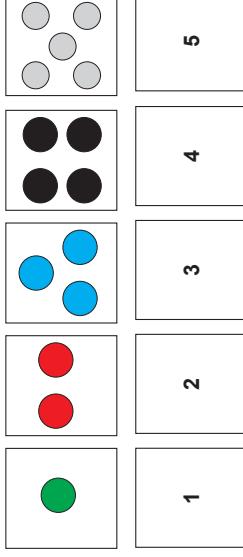
Isono 17	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwe uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Isikhathi esibekelwe
1.7 Ukuhlanganisa nokususa	<p>Ishloko</p> <p>Amanothi Acacisayo</p> <ul style="list-style-type: none"> Ukuxazulua nokuchaza ngokukhuluma ukuthi uyixazulule kanjani inkling yamagama ezibalo (izibalo zengxoxo) nalezo ezifaka inombolo-4 <p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu 3-D Izibonele:</p> <ol style="list-style-type: none"> Uthisha unika amabhuloki ama-2 ubuvele unawo ama-2. usunamabhuloki amangaki esewonke? Uma unezindilinga eziluhlaza ezi-2 nezinye ezi-2 ezibomvu, unezindilinga ezingaki sezizonke? USipho unamakhilayoni angu-4 kanti ujabu une-1 ikhilayoni.Ubani onamakhilayoni amaningi? Uma uMuhle enonodoli aba-4 walahlha owo-1, usele nonodoli aBangaki? Hlukanisa abafundi ngamaqembu. <p>- Nika iqembu ngalinye inqwaba yezinto isib. amapensela, amakhilayoni, izinkomishi, izimo.Yenza abafundi babelane negezinto abazitholle ilungu nelunga lithole eqenjini. (okukodwa-nokukodwa- okuqondene)</p> <p>- Buza imibuzo njengale: “Zikhona yini izinto ezisaliie ?”</p> <p>- (uthisha akabe nesiqiniseko sokuthi ubanika izinto ezingaphezu kwesibalo sabo eqenjini.Susa lezo zinto ezizotshengisa ukwabelana ngokulinganayo)</p>	<p>Izinsiza ezinconyive</p>  <p>Usuku olu -1</p> <p>amabhuloki amakhilayoni izindilinga eziluhlaza njengesibhakabhabka onodoli</p> <p>izinto ezanele (ngomfundi ngamunye) njengamapensela,amakhilayoni, izinkomishi,izimo.</p>

Isonto 17		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)									
Ishloko	1.4 Chaza, qhathanisa bese uhele izinombolo	Amanothi Acacisayo	Isikhathi esibekelwe								
	<ul style="list-style-type: none"> Ukuhlela nokuqhathanisa amaqoqo ezinto usebenzisa "okuningi kune.., okuncane kune..." no "kulingana""ufikekunombolo-4 <p>Hlukanisa abafundi ngamaqembu</p> <ul style="list-style-type: none"> - Uthisha unika iqembu ngalinye izinto zokubala ezi-4nezingamu zewuli/nsonto ezimbili <p>Yenza amaqembu ba:</p> <ul style="list-style-type: none"> - Bakha izindilinga ezimbili (amasethi)ngewuli. - Ngokulandela umyalo kathisha babeka izinto zokubala esethini ngayinye. - Amalunga eqenjini bakhomba ukuthi yiliphi isethi elithole izinto zokubala eziningi kumenye.? (okuningi kune) - Yiyiphi indilinga enezinto ezincane kumenye.? (okumba/wa) - Yiyiphi indilinga enezinto zokubala ezinenani eilinganayo kumenye? (ukulingana) <p>Ukusebenzisa izimo nomá izithombe zonhangothi mbili 2-D</p> <p>Hlela isethi yamakhadi ezithombe ngokulandelana okufanele</p> <table border="1"> <tr> <td>Isithombe sento e-1</td> <td>Isithombe sezinto ezi-2</td> <td>Isithombe sezinto ezi-3</td> <td>Isithombe sezinto ezi-4</td> </tr> </table> <p>Hlela isethi lamakhadi amachashazi ngokulandelana okufanele. Isib.</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <ul style="list-style-type: none"> - Buza imibuzo enjengale "Yiliphi ikhadi elinezinto/amachashazi amaningi? - Yiyiphi inombolo enombolo-2 njii? 	Isithombe sento e-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4					<p>Izinsiza ezinconyive</p> <p>iwuli/intambo izinto zokubala ezi-4</p>	Usuku olu -1
Isithombe sento e-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4								

Is onto 17		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)							
Ishloko		Amanothi Acacisayo	Isikhathi esibekelwe						
5.1	Qoqa bese uhela izinto	<ul style="list-style-type: none"> Ukuthuthukisa indelia yokusebenza ngolwazi oluqokelewe. <p>Ukusebenzisa izinto eziphathekayo ezinhlangothi mbili 3-D</p> <ul style="list-style-type: none"> - Yenza abafundi baqoqe izinduku ezi-9. - Hlela lezinduku ngobungako bobuncane nobude 	<p>Izinsiza ezinconyiwe</p> <p>Usuku olu -1</p> <p>Abafundi benza awabo amaqoqo ezinduku</p>						
5.2	okumele izinto eziqoqiwe	<p>Ukudweba igrafu nokuhangisa ngolwazi</p> <p>Ukusebenzisa izimo nomu izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Yenza igrafu yesithombe ngezinduku - Abafundi bapakisha izinduku kwigrafu yezithombe ngobungako bazo isib.okuncane nokude. 	<p>Iphepha lokubhalela legrafu yesithombe. Uthisha udweba ephepheni eli-A4 izikhala ezifanele zomfundi ngamunye</p> <table border="1"> <tr> <td>Izinti zokubala ezmfishane</td> <td>Izinti zokubala ezinde</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>3</td> </tr> </table>	Izinti zokubala ezmfishane	Izinti zokubala ezinde			5	3
Izinti zokubala ezmfishane	Izinti zokubala ezinde								
5	3								
5.3	Xoxa bese usho ngezinto eziqoqiwe	<p>Ukufunda nokuhumusha amagrafu</p> <ul style="list-style-type: none"> Xoxa ngemiphumela ngokubuza lemibuzo isib. "Zingaki izinduku ezincane ezilapho? Zingaki izinduku ezinde? Yiziphi eziningi/ezimbawla?" 							

Is onto 18	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)			
Ishloko		Amanothi Acacisayo	Izinsiza ezinconyiwé	Isikhathi esibekelwe
1.1	Bala izinto	<ul style="list-style-type: none"> Ukugcizelela ulwazi olutholwe ngokuhlanganisa izinombolo- 1, 2, 3 no 4. <p>Ukukhulumwa;ukubala izinto ufile ku-4 nsukuzonke. Ukubala uya phambili nokubala uye emumva ufile ku-4. Ukubala okusakuhuba 1-7 Ukugcizelela ulwazi “okuningi” no “kuncane” Ukushaya ihlombe izikhathi eziningi IMA. Ukushaya ihlombe izikhathi ezimbawwa. Shaya ihlombe ufile ko-4 Ukusebenzisa umzimba Yenza abafundi ba: <ul style="list-style-type: none"> - Bhala phezu kwayo inombolo-1 emoyeniusebenzisa umunwe. - Abafundi batihnta amakhanda abo izikhathi ezi-2 - Xhawulana nabafundi abanye aba-4 . - Vala amehlo abafundi bese bekhomba izinombolo bengaziboni kusuka ko-1-kuya-4 ngokuyizwa/ngokubhala phezu kwayo inombolo eyenziwe ngesihlabathi esinamathiselwe emakhadini. Ukusebenzisa izinto eziphathetekayo ezinhlangothi ntathu 3-D Yenza abafundi ba: <ul style="list-style-type: none"> - Dweba inombolo-1 esihlabathini. - Thola izinombolo ezi-3 zezinto ezifanayo. - Gxuma endaweni eyodwa izikhathi ezi-2.(kabil) - Yakkha iphazili enezingxenye ezi- 4 nangaphezulu. </p>	<p>Amaculo nemilozeloyezinombolo</p> <p>Ipani /ibhokisi lesihlabathi</p> <p>Isethi lamakhadi ezinombolo ezibhalwe ngesihlabathi.</p>	Usuku olu -1
1.11	Imali	<ul style="list-style-type: none"> Ukubona nokukhomba izimali yaseMzansi Africa <p>Ukusebenzisa izinto eziphathetekayo ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Yenza abafundi bazi ngezilwane ezechlukene nezithombe zeztishalo ezsimalini. - Ukusebenzissa imali kungasebenza esifundweni samakhono eMpilo lapho abafundi bezodala istolo.Ngokudala isitolo abafundi Bangathola ithuba lokubona izinhlamvu zemali ezechlukene. 	<p>5c, 10c, 20c, 50c, R1,00,R2,00 no R5,00 imali (imali yokudala noma imali yangempela)</p>	Usuku olu -1

Isono 18	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
Ishloko 1.7 Ukuhlanganisa nokususa	<p>Ukuxazulula izinkinga ngokukhuluma ozinikeziwe ngokuhlanganisa nokususa ngemiphumela ufile ku-4</p> <p>Ukuhulumu;ukubala izinto ufile ku-4 nsukuzonke.</p> <p>Ukubala uya phambili nokubala uye emumva ufile ku-4</p> <p>Ukubala okusakuhuba 1-7</p> <p>Ukugcizelela ulwazi “lokuningi” no “kuncane” .</p> <p>Ukushaya ihlombe izikhathi eziningi IMA.</p> <p>Ukushaya ihlombe izikhathi ezimbala.Shaya ihlombe ufile ko-4.</p> <p>Ukunyakazisa umzimba</p> <p>Izibonele:</p> <ol style="list-style-type: none"> 1. Uthisha ubiza umfundu o-1 ngaphambi kwekilasi. Usebiza abanye abafundi abangu-3. Bangaki abafundi ababiziwe sebebонke? 2. Uthisha upakisha izinto zokubala ezi-3. Wengeza eyodwa futhi. Zingaki izinto zokubala ezisetafuleni? 3. Abafundi bama ngaphambi kwekilasi. Uthisha ucela umfundi oyedwa ukuba ayohlala phansi. Bangaki abafundi abami ngaphambi kwekilasi manje? 4. UBusi unamapensela ang-4. Wanika uSifundo amapensela ama-2. Mangaki amapensela uBusi asele nawo? 	<p>Usuku olu -1</p> <p>Amaculo nemilolozelo yezinombolo</p> <p>Abafundi</p> <p>Izinto zokubala</p> <p>amapensela</p> <p>Sebenzisa izinhlobo eziningi zezinsiza ukunkika umqondo wokusebenzisa amasu ahlukene.</p>		

I onto 18	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
Ishloko	<p>1.4 Chaza, qhathanisa bese uhele izinombolo</p> <ul style="list-style-type: none"> Ukuhlela nokuqhathanisa amaqoqo ezinto usebenzisa ‘kuningi kune...’, kuncane kune...’ no “okulingene” ufiye kunombolo-4. <p>ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> uthisha unika ilunga ngalinye leqembu amakhlayoni ambalwa. Amalunga eqembu kumele akhombe ukuthi yimuphi umfundi onamakhlayoni amanangi kumabanye Yimuphi umfundi onamakhlayoni amancane kumabanye? Yibaphi abafundi abanamakhlayoni anenani elifanyo? <p>Ukusebenzisa izimo ezingonhlangothi mbili 2-D</p> <ul style="list-style-type: none"> Hlela isethi lamakhadi ezinombolotana afaka izinombolo u-1 kuya 5 ngendlela efanele isib..  <p>Amakhadi amachashazi nezinombolo</p> <ul style="list-style-type: none"> Buza imibuzo kanje; Yiliphi ikhadi elinezinto/amachashazi amanangi? Yiyiphi inombolo enokuningi kuno-2 njii? 	<p>Usuku olu -1</p>		

I onto 18	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)		
Ishloko	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
2.1 Amaphethini okusazibalo mdwebo	<ul style="list-style-type: none"> Ukukopisha nokuqedela iphethini oyinikiwe ngemali. <p>Ukukopisha iphethini oynikiwe</p> <ul style="list-style-type: none"> - Uthisha uhlela iphethini esebeenzisa "imali yokudlala" isib. 5c, 5c, 5c, 10c, 10c, 10c, 20c, 20c, 20c <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Bazokopisha amaphethini ambalwa enziwe uthisha. <p>Ukuqedela iphethini abayinikiwe</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Qedela amaphethini ambalwa enziwe uthisha isib. <ul style="list-style-type: none"> o 5c, 5c, 10c, 10c,..... o 5c, 10c,..... o 10c, 20c.....njill. 	Imali yokudlala nomu imali yangempela (5c,10c,20c)	Usuku olu -1

Isonto 19	ISIKHATHI ESINCONYWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)		
Ishloko		Izinsiza ezinconywe	Isikhathi esibekelwe
1.1 Bala izinto	<p>• Ukugcizelela ulwazi olutholiwe no uhlanguanisa izinombolo 1,2,3 no 4</p> <p>Ukukhuluma: ukubala izinto ufile ku-4 nsukuzonke.</p> <p>Ukubala uya phambili nokubala uye emumva ufile ku-4</p> <p>Ukugcizelela ulwazi “lokuningi” no “kuncane”.</p> <p>Ukushaya ihlombe izikhathi eziningi IMA.</p> <p>Ukushaya ihlombe izikhathi ezimbawa.Shaya ihlombe ufile ko-4.</p> <p>Ukusebenzisa umzimba</p> <p>Uthisha uphakamisa ikhadi lenombolo ebhalwe inombolo-3 bese ethi kubafundi:</p> <ul style="list-style-type: none"> - Ngifuna abafana abaningi. - Aphakamise inombolo-2 bese ethi, ngifuna amantombazane ayileli nani. - Yenzani amaqqembu nga (ephakamisa inombolo 2). - Phinda lomsebenzi wamakhadi ufile izinombolo-1-4 	<p>Amanothi Accisayo</p> <p>Amaculo nemilozelo ezinombolo</p> <p>Izimpawu zamakhadi ezinombolo ezifaka izinombolo-1 kuya 4</p> <p>Isib.</p> <p>3</p>	Usuku olu-1
1.16 Izibalo zekhanda	<p>Izibalo zekhanda</p> <p>Uthisha uphakamisa ikhadi lenombolo-3 bese ebuza abafundi:</p> <ul style="list-style-type: none"> - Iyiphi lenombolo? - Yiyiphi inombolo eza ngaphambi kwenombolo-3? - linombolo eza emumva kwenombolo-3? - Phinda lomsebenzi ngezinombolo-1 kuya 4 - Ungangitshengisa ikhadi lesithombe elinenombolo efana nelinenombolo efana nalo? 	<p>Isethi lamakhadi lesithombe namachashazi elifaka izinombolo-1 kuya 4</p>	

Is onto 19	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Izinsiza ezinconyewe	Isikhathi esibekelwe				
1.16 Izibalo zekhanda	<p>Ukusebenzisa izinto eziphathetekayo ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Uthisha ushaya ihlombe elandela isigqi esithile abuye anense ukukhombisa inombolo ethile. Abafundi bakhipha ubuhlu obuningi bese bebuluka obala. Isib.ubuhlu obu-4 - Yenza abafundi babeke ubuhlu obu-1, 2, 3 no 4 phambi kwabo. - Tshela abafundi baveze ukuthi bungaki ubuhlu abanabo ngokuqondanisa inani lobuhlu nefleshikhadi yenombolo elingana nobuhlu.isib.ubuhlu obu-4 nenombolo-4 - Benze bafune umfundi onobuhlu obulingana naleyonombolo. <p>Ukusebenzisa izimo noma izithombe ezinhlangothi mbili 2-D</p> <p>Uthisha uphakamisa ikhadi lamachashazi amele inombolo uku-2 bese ebuza abafundi:</p> <ul style="list-style-type: none"> - Mangaki amachashazi kulelikhadi? - Iyiphi inombolo emele lamachashazi? - Iyiphi inombolo eza ngemumva kwalenombolo? - Badweba inani lamachashazi afanayo ephepheni abalinkiziwe. 	<table border="1"> <tr> <td>1</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> </tr> </table>	1	2	3	4	
1	2						
3	4						

Isono 19	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Izhloko	Izinsiza ezinconyiwé	Isikhathi esibekelwe
1.7 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Ukuxazulua izinkinga ngokukhulumo ozinikeziwe ngokuhlanganisa nokususa (izibalo zengxoxo) ngemiphumela ufile ku-4 Ukunyakazisa umzimba <ul style="list-style-type: none"> Biza abafundi aba-3 phambi kwekilasi.Ababalwe. Biza omunye umfundu-1' Bangaki abafundi sebebonke?3 no 1→4 (okuthathu nokukodwa kusinika- 4) Phindisela enumvya abafundi aba-3 beyohala phansi.Bangaki abafundi abasele manje? 4 susa 3→1 <p>Hlukanisa ikllasi ngamaqembu.</p> <p>Buza lemibuso:</p> <ul style="list-style-type: none"> Mangaki amakhala owabonayo eqenjin i lakkho? Mingaki imilomo? Mingaki imizimba: Kubafundi ababili, mangaki amehlo? Kubafundi ababili,mingaki imilenze? <p>Ukusebenzia izimo eziphathekayo ezinhlangothi ntathu 3-D</p> <p>Izibonele:</p> <ol style="list-style-type: none"> Ubaba kaLindiwe unemoto.Mangaki amasondo emoto yakhe? Uma isondo lemoto liphantshile, uyalkhipha emotweni, mangaki amasondo asele? Isikhukhukazi sinamachwane amane. Amachwane amabilii ayalahlekka. Mangaki amachwane asele nesikhukhukazi? Isikhukhukazi siyawathola amachwane aso abelahlekile. Mangaki amachwane esinawo manje? 	Amanothi Acacisayo	Usuku olu -1	

Is onto 19	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Isikhathi esibekelwe
Ishloko	Amanothi Acacisayo	Izinsiza ezinconyewe
1.4 Chaza, qhathanisa bese uhléia izinombolo	<ul style="list-style-type: none"> • Ukuhleia nokuhathania amaqoqo ezinto usebenzisa ‘kuningi kune...’, kuncane kune...’ no “okulingene” ufiike kunombolo- <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha ubeka izinto ezelhukene etafuleni.isib.amakhilayono ama-2, amabhuloki afanayo ama-4, amathini ama-3, izncwadi ezi-2 <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Bala inani lamakhilayoni nelamathni.Kungabe amakhilayoni amaningi nom a mathini? - Bala inani lamabhuloki relezincwadi. Ingabe amabhuloki amancane kunezincwadi? - Bala izincwadi namakhilayoni.Ingabe inani lalezintzo liyalingana nom cha? <p>Ukuebbenzisa izinto eziphathethkayo ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Yenza abafundi bahale phansi ubanike izinto zokubala eziningi umfundu ngamunye. - Abafundi mabathole amanani ahlukene ezinto zokubala. - Yenza abafundi babeke izinto zokubala phambi kwabo. Uthisha ubuza abafundi: <ul style="list-style-type: none"> o Ubani onezinto zokubala eziningi? o Ubani onezinto zokubala ezincane? o Obani abanezinto zokubala ezinenani elinganayo? 	Usuku olu -1
3.3 Izimo ezinhlangothi mbili (2-D)	<p>Ukubona, ukukhomba nokubiza izimo ezinhlangothi mbili ekilasini nasezithombeni.</p> <ul style="list-style-type: none"> • Ukwenza nokuqedela iphzalii yakhe enezingxeny ezi-4 (hlanganisa nobuckko bukubuka) <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Dweba isthombe ephepheni eli-A4. - Uthisha udweba imigqa ngemumva kwephepha elinomndwebo. womfundu - Umfundu usika isithombe elandela imigqa edwetshiwe. - Umfundu uqedela /akhe iphazili yakhe 	Usuku olu -1

I onto 19	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
4.1 Isikhathi	<ul style="list-style-type: none"> Ukuthuthuka ngokuqaphela ngokwenzeka phakathi kwasikhathi sesidlo santambama nesikhathi sokulala (Ukuhlanganisa izihloko zokuQala kolwazi esifundweni samakhono elMpilo) <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Ukukhulumma ngokuthi benzani emumva kokudla isidlo santambama. - Ukukhulumma ngokuthi kwenzakalani ekhaya emumva kwasikhathi sesidlo santambama. <p>Uthisha uyababuza:</p> <ul style="list-style-type: none"> - "Niza nini esikoleni emini nom a ebusuku?" - Uma uSibusiso efika esikoleni insimbi isikhali, ingabe uSibusiso unkfe esikoleni ngaphambi kwasikhathi nom a ngemumva kwasikhathi? - Liphilangga ebusuku?" <p>Ukusebenzisa izimo nom a izithombe ezinhlangothi mbili 2-D.</p> <ul style="list-style-type: none"> - Abafundi badweba izithombe ukukhombisa nom a isiphi isimo emva kwesidlo sakusihla - Banike amaphazili atshengise ukulandelana kwezelhlakalo nom a imisebenzi 	 	<p>Izithombe ezitshengisa ukuthi kwenzakalani kusukela ngesikhathi sesidlo santambama nangesikhathi sokulala.</p>	Usuku olu-1

Isonto 20	Sebenzisa isonto 10 ukubhekelela ulwazi olusele nezindawo zokufunda ezzinezinkinga.	Amazinga Okuhiola
Ingxenye yokuqukethwe	Ishloko	
Izinombolo, izimpawu nobudlelwane bazzo	1.1 Ukubala izinto	<p>Qagela bese ubala ngokusakuhuba uze ufile ku 7 (Amaculo ezinimbolo nemilozelo kufakelwa ukuthuthukisa ulwazi iwezinombolo)</p> <p>Ukubala uye phambili nasemumva (1-4)</p> <p>Ukuqonda ulwazi 'lokuningi nokumbalwa' (ukushaya izandla)</p> <p>Bona izinombolo ezimweni ezejwayelekile njenge nombolo yendlu , irejista yekheli</p> <p>Ubona izithombe zezinombolo namakhadi amachashaza akhombisa inombolo 1.</p> <p>Uyazazi izimpawu zezinombolo 1,2,3,4</p> <p>Ubona amagama ezinombolo okubili, okuthathu nokune</p> <p>Uyakwazi ukubala okukodwa nokukodwa okuhambisanayo (ishadi labasizi ngesikhathi sezidlo)</p> <p>Uyakwazi ukubonaphakathi kokuningi, okuncane, nokulunganayo, okuningi nokumbalwa kufinyelele koku-4</p> <p>Uyakwazi ukubona umehluko wemali ewuhlwenza yaseNingizimu Afrika</p>
	1.6 Amaqhingga okuxazulula izinkinga	<p>Usebenzisa izinto ezibambekayo</p> <p>Uyakwazi ukuchaza into ayicaBangayo ngamagama , ngokudweba nangokusubenzisa izinto eziphathekayo.</p>
	1.7 / 1.13 Ukuhlanganisa nokususa	<p>Uxazulula izinkinga zokuhlanganisa nokususa ngokukhulluma kufinyelele koku-4</p>
Amaphethini nokuxhumana	2.1 Amaphethini wokusazibalondwebo	Kopisha, qhubenza bese wakha amaphethini akho. (izinto, izimo, nohlweza)

Isonto 20	Sebenzisa isonto 10 ukubhekelela ulwazi olusele nezindawo zokufunda ezzinezinkinga.	
Ingxenye yokuqukethwe	Ishloko	Amazinga Okuhiola
Indawo nesimo	Isikhundla , isimo nokubukeka kwento	Uqonda isikhundla sezinto ezimbili nangaphezelu ngokuhlobana normfundi ngaphezelu nangaphansi
	3.1	
	3.2 Izimo ezi 2-D	Akha iphazili enezingcezu okungenani ezyi 12 Ukhombisa ukukwazi ukuhluwanisa phakathi kokungaphambili nokuzungezile (phinda ukuhole)
		Ukhomba bese ebona asho unxantathu (ukugcinwa kwestimo)
		Bona, khomba bese unika amagama amabhokisi
	3.2 Izinto ezi 3-D	Uqrathanisa amaqoqo amabili eziinto ezinde, ezinjana, ezimfishane, ezimfishane kakhulu. Hlela izinto ngobungako okude nokufishane Imibala – Imibala eyimisuka (obomvu, oluhlaza okwesibhakabhabka, ophuzi, oluhlaza okotshani) Izimo
		Ukwakha nokwenza ngamabhuloki okwakha
	3.4	Ukubona umugqa ohluwanisa umzimba kabili kufane nse nxazombili nokumzungenzele Uyakwazi ukweqa umugqa ophakathi nendawo
Isilinganiso	4.1 Isikhathi	Uyazi izinsuku zesonto, izikhathi zonyaka, ishadi lesimo sezulu (amaculo nemilolozero – phinda uhole) Uyalwazi usuku lokuzalwa (phinda uhole)
	4.2 Ubude	Yisho phakathi kokude, kokujana, kokude kakhlulu, ukufishane, okufishanyana, okufishane kakhlulu (ishadi lokulinganisa ukuphakama)
Ukuqoketelwa kolwazi	5.1 Qoqa uholele izinto	Ukwazi ukuqoqa, ahlele, adwebe, abeke okuneli (ahlaziye) izinto ngokwezimo zazo
	5.2	Ukubeka okumele izinto eziqoqiwe zahlewa
	5.3	Xoxa bese uthula umbili ngezinto eziqoqiwe zahlewa

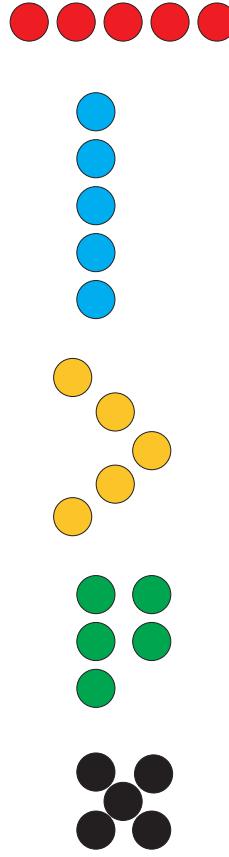
ISONTO 21		ITHEMU 3 YEBANGA R	
Isihloko	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe Isikhathi esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Yethula incazeloyenombolo 5 <p>Ukukhulumo: bala izinto zansukuzonke kufinyelela koku 5. Bala uye phambili ubuye uhliele kufinyelela koku 5 Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ukubala ngokwesikhundla: Uthisha upakisha izinto zokubala ezi-3 emuggeni khomba into ngayinye ngenkathi ubala <i>okokuqala, okwesibili, okwesithathu.</i></p> <p>Gcizelela ulwazi “okuningi nokumbalwa”. Shaya izandla izikhathi eziningi IMA Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 5. Buza umbuzzo iyiphi inombolo yokushaya ebeningi / mbaawa.</p> <p>Ukusebenzisa umzimba Gquqquzela abafundi ukuthola inombolo 5 ngoku:</p> <ul style="list-style-type: none"> - Shaya izanda zabo izikhathi ezi-5 - Thola ukuthi zingakhi izingane ekilasini esezineminyaka emi-5 		Usuku olu-1 Imilolozelo namaculo ezinombolo Imilolozelo namaculo okubalsib. "Izinyoni ezinhlanu zihlezi emthini". Izinto ezinhlangothintathu

ISONTO 21	Ishloko	1.16	Izibalo zekhanda	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)			<ul style="list-style-type: none"> - Uthisha ushaya izandla ingesigqi esithize nangokunwabuluuka ukumela inombolo Isib.5.abafundi kufanele bathathe inombolo etanayo yezinto zokubala (5) bazkhombise. - Abafundi bapakisha izinto zokubala ezi-5 emugqeni bazibale. - Uthisha uyabuza: - Lyiphi inombolo eza ngaphambi kwenombolo 5? - Lyiphi inombolo eza emuva koku-4 njii? - Uma unama-apula ama-5 upha umngane ama-2. Mangaki ama-apula asele? - Ngikhombise iminwe emi-5. - Zingaki izinzwanne onazzo onyaweni olulodwa? 	<p>Izinto zokubala ezisesitsheni</p> <p>Ubumba / udongwe noma inhlama yokudala amaqaqbunga</p>	Izinto zokubala ezisesitsheni	Usuku olu-1

Sebenzisa izintoeziphathekayo ezinhlangothi ntathu 3-D

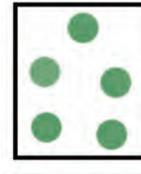
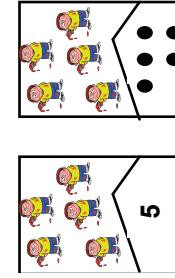
Abafundi bathuthukisa umqondo wezinombolo ngoku:

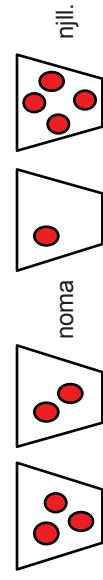
- Ukwenza inombolo 5 ngobumba lokudala.
- Cosha amaqaqbunga ama 5.
- Bala izinto uzixhumanisse nezinto zokubala.
- Thuthukisa ukurqonda ukongiwa kwezinombolo ngokuvumelaabafundi
- Pakisha izinto zokubala noma eziphi izinto ngezindleta ezihlukene lsib.

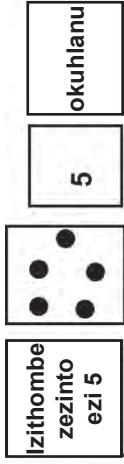
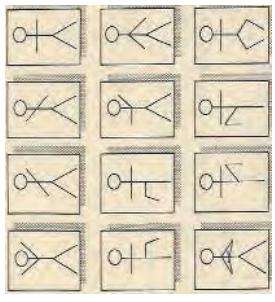


Uma ubala, inombolo yezinto ayibuphazamisi ubungakho, noma isikhundla, noma ziyinghobo etanayo.lsiboneilo.

- Hlela izinkinobho ezi5 ,umsizi 5, izivalo zamabhdlela 5, abafundi 5njil.
- Zibale uzhilele ngezinddlela ezihlukene lsib zibale zendlalekile, zisondelene, zisemugqeni noma zelakanyene zayaphezulu.

ISONTO 21	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.4 Chaza, qhathanisa bese uhlila izinombolo	<p>Amanothi Acacisayo</p> <p>• Ukuuthuthukisa ukukhumbula ugqquqzele abafundi bafake emqondweni izinombolo zezindlu zasemakhaya abo, ikhei kanye nezinombolo zocingo.</p> <p>Badilala imidlalo efana no:</p> <ul style="list-style-type: none"> - Utthisa usho inombolo yendlu, ikhei nomu inombolo yocingo yomfundu. Umfundu okushwi inombolo nomu ikheli lakte kufanele aphendule. - Uma kugcwaliswa iregista yobukhona kwabafundi uthisha angabuza imibuzo efana: “ingabe umfundu onenombolo yocingo 435-6256 ukhona namuhla?” “ingabe umfundu ohlala e-Umbilo Road 123 ukhona namuhla?” - Abafundi basebenzisa amakhadi anezimpawu zezinombolo ukupakisha inombolo zezindlu zasemakuwo nomu izinombolo zezingcingo ngokulandelana nomu abakwenzanga ngendlela. - Balingisa ingxoxo yocingo ngocingo lokudlala. Abafundi bashayela ucingo umuntu obalulekile. <p>Kuhlanganise nemidlalo yeshashalazikwizifundo zamakhono empilo</p> <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi 2-D)</p> <p>Uthisha ukhombisa abafundi:</p> <ul style="list-style-type: none"> - Izinhlobo ezihlukene esithola kuzo ulwazi lapho singathola khona inombolo 5 Isib. amakhadi ezinsuku zokuzalwa, amaphephandaba, omagazini, izikhangisi njii. - Ikhadi elinamachashaza ama 5 kanye namakhadi anezithombe ezi 5. - Vumela abafundi baxhumaniise amakhadi anezithombe namakhadi anamachashazi nezinto zokubala eziyinombolo elinganayo namachashazi nezithombe. - Yenza amaphazili ezinombolo afaka inombolo 5 isib. 	<p>Inombolo yocingo kufanele kube inombolo yokuxhumana yomzali nomu umzali ongumbheki kungaba inombolo kamakralekhukhwinii</p> <p>Irejista yobukhona kwabafundi Amakhadi anezimpawu zezinombolo nomu izimpawu zezinombolo ezinkulu ezakhive ikhadibhodi</p> <p>Ucingo lokudlala</p>	<p>Usuku olu-1</p>  <p>Izithombe zezinto ezi 5</p> 

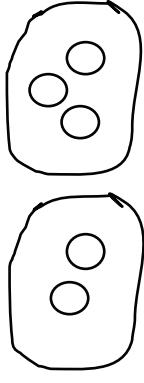
ISONTO 21	Ishloko	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza kufunda ezinconyiwe Amanothi Acacisayo	Isikhathi esilinganisiwe Usuku olu-1
1.3	Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Ukwaazi izimpawu zezinombolo nokubona amagama ezinombolo ezifaka inombolo 5 <p>Ukukhuluma: bala izinto zansukuzonke kufinyelela koku 5. Bala uye phambili ubuye uye emumva kuya ko- 5 Ukubalaa sakuhuba kusuka 1-10</p> <p>Ukubebenzisa umzimba</p> <ul style="list-style-type: none"> - Bonke abafundi mabahlale babe indilinga. - Unika abafundi izinombolo ngokwephethini. 1, 2, 3, 4, 5. Aqale futhi 1, 2, 3, 4, 5. - Buza imibuzo erfana nokuthi; ‘ubani ozoba unombolo 5 olandelayo 5? ‘ubani ozoba unombolo 4 olandelayo 4? - Uyixazulule kanjani inklinga? - (abafundi baxazulula inkling ngendilela yokwenza beqagela inombolo elandelayo bebala beqhubeka) 	<p>Sebenzisa izinto eziphathekayo ezinhlangothi ntathu</p> <ul style="list-style-type: none"> - Sebenzisa amakhadi anezinombolo ezibunjijiwe afaka izinombolo 1 kuye koku 5. - Abafundi bavala amehlo bezwe inombolo 5 phakathi kwezinye izimpawu zezinombolo besebenzisa iminwes. <p>Nika umfundu ngamunye izinto zokubala ezinhlanu nezinkomishi zeplasitiki ezimbili noma izitsha zamaqanda ezimbili.</p> <ul style="list-style-type: none"> - Buza abafundi: “singaki izindilela ezihlukene ongahlela ngayo izinto zokubala ezinhlanu kobhasikidi ababili? 	

ISONTO 21	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)	Izinsiza kufunda ezinconyiwe Isikhathi esilinganisiwe
Ishloko	Sebenzisa imifarekiso nona izithombe ezi2-Di Abafundi ba: <ul style="list-style-type: none"> Bakhomba ikhadi elinezithombe ezi-5. Bakhomba ikhadi elinamachashaza ama-5 Bakhomba uphawu lwenombolo 5 nomakuphi lapho lukhangiswe khona ekilasi. Khomba uphawu lwenombolo olusekhadini. Bona igama lenombolo olusekhadini. <ul style="list-style-type: none"> Xhumanisa izinto zokubala nophawu kanye negama lenombolo inani lezithombe kanye nenani lamachashaza asekhadini. 	Izinsiza kufunda ezinconyiwe Amakhadi ezithombe, amachashazi, uphawu kanye negama lenombolo izinto zokubala ezi 5  Izithombe zezinto ezi 5
3.4	Okufana nse nxazombili Abafundi abenze lokhu: <ul style="list-style-type: none"> Badalla umdlalo wesitimela lapho abafundi bekopisha indlela okuniwe ngayo eshadini. Badalla umdlalo wesitimela lapho uthisa ekhombisa indlela ethize yokuma abafundi bakopishe bamlingisele. (kufaka iminyakazo lapho abafundi bengamula umugqa ophakathi nendawo isibthinta idolo langasokudla ngesandla sokunxele.) Badalla umdlalo wesitimela lapho umfundi ekhombisa indlela ethize yokuma abanye abafundi bakopishe. Uthisha ukhombisa ukweqa welule izandla njengenkanyezi (star jumps) agquqquzele abafundi ukwenza umnyakazo ofanayo. Sebenzisa izinto eziphathekayo ezi3-D Abafundi abenze lokhu: <ul style="list-style-type: none"> Amasakana okudala (beanbag) kwesobunxele, kwesokudla, ngambilii nangasemuva kwabo. Sebenzisa isandla sokunxele ukubeka isaka lokudala kwesokudla somzimba wakhe. Lula izandla ukunqamula umugqa ophakathi nendawo nom a bamba ihlombe nesandla sangakolunye uhlangothi. Phinda umnyakazo ngesandla sokudla. Hlanganisa lomsebenzi nesifundo sokuvocavoca umzimba kwisifundo samakhono okuziphilisa.	Izinsiza kufunda ezinconyiwe Usuku olu-1 

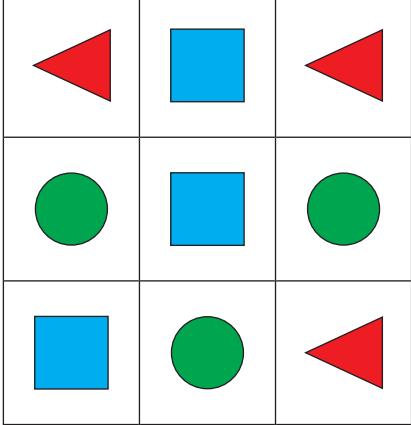
ISONTO 21	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
4.2 Ubude	<p>Ishloko</p> <ul style="list-style-type: none"> Qagela ulinganise ubude bezinto ezhilukene usebenzisa izinyawo, izandia, intambo, induku.njii. <p>Ukusebenzisa umzimba</p> <p>abafundi abenze lokhu:</p> <ul style="list-style-type: none"> Baqhathanisa ubude bezinyawo nezandla zabo. Abafundi baqagela ukuthi iyiphi into ende nemfishane ngokulinganisa ngezinyawo nomia izandla isib. Itafula, umnyango, umugqa wezitina, ikilasi, umtapo wolwazi njii. Qagela eyiphi into ende kakhulu nomia emfishane kakhulu isib. Inddela yezinyawo nomia umugqa wezitina. Abafundi baqagela iyiphi engaba yinde kakhulu isib.ikilasi, igumbi lokuhlala othisha? Buza umbuzo ofana no: “okuphi okude ngokuthe xaxa / okude kakhulu, umsizi nomia intambo?” njii. 	<p>Izinto ezinobude obuhulkene ezingalinganiswa ngezandla noma izinyawo lsib. Irua, itafula, umnyango, umugqa wezitina, ikilasi, umtapo wolwazi njii.</p>	<p>Usuku olu-1</p>	

Isono 22	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)		
Ishloko	Izihloko	Amanothi Acacisayo	Isikhathi esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ulwazi/ umqondo abawuzuzile kufaka inombolo 5 <p>Ukukhulumwa: bala izinto zansukuzonke kufinyelela koku 5.</p> <p>Bala uye phambili ubuye uye emumva koku 5</p> <p>Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ulwazi “okuningi nokumbalwa” .</p> <p>Shaya izandla izikhathi eziningi IMA</p> <p>Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 5.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba</p> <p>Gquqquzela abafundi ukuthola inombolo 5 ngoku:</p> <ul style="list-style-type: none"> - Khombisa iminiwe emi 5 emoyeni. - Thola izinto ezi 5 ezibomvu, luhlaza okusasibhakkabha, oliphuzi, luhlaza satshani. - Thola izinto ezi 5 ezibuleke njenge ndiliinga, isikwele, unxantathu. <p>Sebenzisa izinto eziphathekayo ezi3-D</p> <p>Abafundi abathuthukise ulwazi / umqondo wezinombolo ngokwenza lokhu:</p> <ul style="list-style-type: none"> - Landa izincwadi ezi 5 kwigumbi lezinvwadi - Yakhya umbhoshongo usebenzisa amabhuloki ama 5. 	<p>Amaculo nemilozelo yezinombolo</p> <p>lsib. Imilolozelo namaculo okubalalsib. “1,2,3,4,5 ngamzuukwana njibamba uifishi epheila”</p> <p>lzinto zokubala</p> <p>izincwadi</p> <p>Amabhuloki okwakha</p>	Usuku olu-1

Is onto 22	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi esilinganisiwe
Ishloko	<p>1.7 ukuhlanganisa nokususa</p> <p>Ukusebenzisa umzimba:</p> <ul style="list-style-type: none"> • Xazulula izinkingga zezibalo zamagama ezifaka inombolo 5 ukhuluma / okusakuhuba (izibalo zengxoxo) uchaze izixazululo <p>Izinsiza kufunda ezinconyiwe</p> <p>Izinsiza kufunda ezinconyiwe</p> <p>Isikhathi esilinganisiwe</p> <p>Usuku olu-1</p>	<p>Izinsiza kufunda ezinconyiwe</p> <p>Izinsiza kufunda ezinconyiwe</p> <p>Isikhathi esilinganisiwe</p> <p>Usuku olu-1</p>

Is onto 22	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)			
Ishloko	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe	
1.4 Chaza, qhathanisa bese uhleia izinombolo2	<ul style="list-style-type: none"> Qhathanisa amaqoqo ezinto ezimbili ozinkive usho lokhu Okuningi kuno, okuncane kuno, okulingana noku, kufike kunombolo 5. <p>Ukukhulumu: bala izinto zansukuzonke kufinyelela koku 5. Bala uye phambili ubuye uye emumva kufinyelela koku 5</p> <p>Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ulwazi “okuningi nokumbalwa”.</p> <p>Shaya izandla izikhathi eziningi IMA</p> <p>Shaya izandla izikhathi ezimbalwa. Uthisha ushaya izandla izikhathi ezi 5.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Uthisha ubeka izinto ezinhlobonhlobo etafuleni isib.izinkomishi ezi 2, amabhuloki afanayo ayi 5, amathini ama 4, izincwadi ezi 2. <p>Abafundi abenze lokhu:</p> <ul style="list-style-type: none"> Bala inombolo yezinkomishi namathini. Ngabe izinkomishi ziningi noma amathini maningi? Bala inombolo yamabhluki nezinowadi.ngabe ambalwa amabhuloki kunezincwadi? Ngabe maningi amabhuloki kunezincwadi? Bala izincwadi nezinomishi.ngabe inombolo yezinto iyalingana noma qha? 	<p>Amaculo nemilozelozelo yezinombolo</p> <p>Izinkomishi ezi 2, amabhuloki afanayo 5 ,amathini 4 , izincwadi 2 .</p>	<p>Izgqamfu ezimbili zewulu ingane ngayinye</p> <p>Izinto zokubala eziyi 6 ingane ngayinye.</p> 	<p>ubuhluu</p> <p>Amakhadi ezithombe kanye namachashazi okufaka izinombolo 1 kufike 5</p>
	<p>Sebenzisa izinto eziphathekayo ezi3-D.</p> <ul style="list-style-type: none"> Abafundi bahlala kumata benza izidleke (nests) ezimbili ngovolo. Uthisha unika imiyalelo isib.abafundi batfaka izinto zokubala ezi 2 esidekeni esisodwa nezi 3 kwesinye isideke.isiphi isidleke esinokuningi? Isiphi isidleke esinokumbalwa? Uthisha ubiza abafundi aba 5 beze ngaphambili. Ubeka inombolo engafani yobuhluu esandleni sengane ngayinye. Isiphi isandla esinokuningu? Isiphi isandla esinokuncane? <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi 2-D)</p> <p>Uthisha ukhombisa amakhadi amabili izinombolo ezihlukene zamachashazi nezithombe. Abafundi baqhathanisa amakhadi anezithombe kanye namachashazi bakhombe “okuningi kuno”, “okuncane/okumbalwa kuno” kanye “okulingana no”</p>			

I onto 22	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
Ishloko 2.1 amaphethini okusazibalo mdwebo	<p>Gcizelela ukukopisha iphethini olinikiwe</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Basebenza ngamaqoqo bakopisha iphethini abalinikiye isib.umfundsi, isihalo, isihalo, umfundi, isihalo. - Abafundi ababili, isihalo esisodwa, abafundi ababili, isihalo esisodwa. - Shaya phansi ngonyawo olulodwa.shaya phansi ngolunye futhi,gxuma / kheleza uye phambili, gxuma / kheleza uhliele <p>Sebenzisa izinto eziphathekayo ezi 3-D</p> <ul style="list-style-type: none"> - Uthisha wakha iphethini esebenzisa izinto zokubala kanye nezivalo zamabhodlela isib. Izinto yokubala, into yokubala, isivalo sebhodlela, into yokubala, into yokubala, isivalo sebhodlela. Abafundi bakopisha iphethini. - Hamba kancane, kancane, shesha, shesha. (Uthisha ukhulumu ehamba) abafundi bakopisha iphethini. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi 2-D)</p> <ul style="list-style-type: none"> - Hlukanisa abafundi amaqqo ayishlanu. Nika iqoqo ngizithombe benze amaphethini ngazo. - Abafundi bakha amaphethini abo ezithombe besebenzisa izithombe abazinikive isib. <ul style="list-style-type: none"> o Iwolintshi, i-aphula, i-aphula, iwolintshi. o Uvemvane, uvemvane, inyosi, inyosi. <p>Lomsebenzi ungaflanganiswa nobuciko obubonakalayo isib. Ukudweba, ukupenda kwisifundo samakhono empilo.</p>	<p>Abafundi izinto zokubala Izivalo zamabhodlela</p> <p>Noma iziphi izithombe ezinokutholakalaisib. Izikhangasi zasezitolo. Enza izithombe zibe ningi ukujiniseka ukuthi zanele/zilingene.</p>	Usuku olu-1

Is onto 22	<p>Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)</p>		
Ishloko	<p>3.3 Izimo ezinhlangothi mbili (2-D)</p> <ul style="list-style-type: none"> Gcizelela ulwazi abalithole esontweni 6 okufaka isikwele Hanganisa lomsebenzi nesifundo sokuvocavoca umzimba kwisifundo samakhno okuziphilisa. <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Dweba isikwele enkundleni yokudlala abafundi bagxume ngokulinganisene ezikweleni. Abafundi abashho lokhu: "ngigxuma ngokulinganisene esikweleni – uhhangothi olulodwa, izinhlangothi ezmibili, izinhlangothi ezintathu, izinhlangothi ezine- zonke izinhlangothi ziyeefana" Abafundi abalale phansi otshaninii / kumata / phansi / bahlangane ngezinnyawo benze isikwele esiscdwa esikhulu. Amaqoqo abafundi awatale phansi kumata benze izikwele ezincane. <p>Sebenzisa izinto eziphathekayeo ezi3-D</p> <ul style="list-style-type: none"> Umdlalo: uthisha udweba igridi enkundleni yokudlala. Ubeka izimo zangempeta isib.izimo noma izithombe zežimo kwibhuloki ngaliniye. Uthisha usho isimo. Umfundi uphonса isakana lokudlala kwibhuloki elinesimo esishwi. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezi2-D)</p> <p>Abafundi fanele bahlukanise phakathi kobungakho obuhulkene kanye nemibala yezikwele uthisha ayilungisile.</p> <p>abafundi abenze lokhu:</p> <ul style="list-style-type: none"> Khomba izikwele ngokuhulkana kobungakho ngokusha ukuthi iziphi izikwele ezkinkulu kakhulu, eziphi ezincane kakhulu, iziphi izikwele eziwubungakho obuphakathi nendawo. Khomba imibala yezikwele ezhulkene. <p>Hlela izinto ngokwesimo, ubungakho nombala</p> <ul style="list-style-type: none"> Hlela izinto ezinhlonhlobo ngokombala kanye nezimo. 	<p>Izinsiza kufunda ezinconyiwe</p>  <p>isikwele phansi / emhlabathini</p> <p>Isikhathi esilinganisiwe</p> <p>Usuku olu-1</p>	<p>Isikhathi esilinganisiwe</p> <p>Usuku olu-1</p>

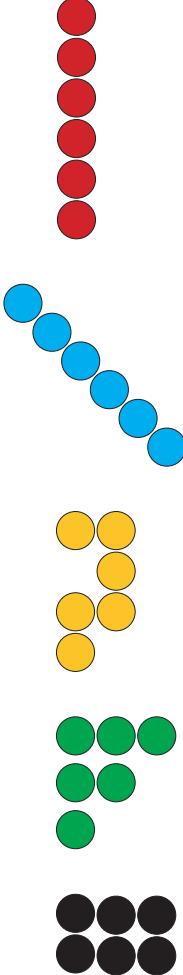
I onto 23	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelw eiklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto		
Ishloko	Izinsiza kufunda ezinconyiwe	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ulwazi/ umqondo abawuzuzile kufaka inombolo 5 <p>Ukukhulumu: bala izinto zansukuzonke kufinyelela koku 5. Bala uye phambili ubuye eye emuvva kufinyelela koku 5 Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ulwazi “okuningi nokumbalwa”.</p> <p>Shaya izandla izikhathi eziningi !MA</p> <p>Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 5.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba</p> <p>Badlala umdlalo:</p> <ul style="list-style-type: none"> - Uthisha udlala izinsimbi isib lzigubhu. - Abafundi bayanyakaza ekilasini. - Uma isigubhu siyeka ukukhala, uthisha ubiza inombolo phakathi koku 1 kanye noku 5. - Abafundi bazihela ngamaqoqo amancane isib.uthisha ubiza inombolo 3 abafundi bazihela babe amaqoqo ama 3. <p>Sebenzisa izinto eziphathekayo ezi3-D</p> <ul style="list-style-type: none"> - Uthisha ubeka inqwaba yezinto etafuleni.Abfundi baqagela inombolo yezinto ezisetafuleni. - Bayazibala emuva kokuqagela. 	<p>Amaculo nemilozelo yezinombolo</p>	<p>Usuku olu-1</p> <p>Khetha imisebenzi embalwa</p>

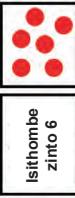
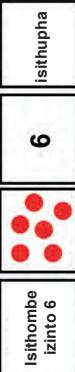
Is onto 23	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelw eiklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Ishihloko	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.6	Badiala umdialo: Uthisha wakha isitebhisi sezinombolo phansi nom aenhlabathini. Inombolo esesitbehisini imele inombolo yendlu umfundu ahla kuyo. Uthisha ukhetha abafundi esebenzisa imilolozelo yokubala ukunika imiyalelo njengo: - Ngasosonke isikhathi ima eqanderi (zero) nom aqala eqandeni. Batshele ukuthi iqanda lisho okungekho ukubala okuyokona kuqala koku 1. - Ngasosonke isikhathi bala uba unyakaza. - Uthisha uthi kumfundu: "usendlini yesibili, iyiphi indlu eza emuva - Kwanombolo 2?" - Eminye imiyalelo ingaba: "hamba uye kwidlu engunombolo 3.hleha uye kwindlu engunombolo 2.hamba uye phambili kwindlu engunombolo 4." - Uthisha uthi: "ngikwindlu engunombolo 3, iyiphi indlu eza emuva kweyami?" - Hamba uye kwidlu engunombolo 4.hamba inombolo eyodwa uye phambili hamba inombolo ezimbili uhllele. - Ima phakathi kwezindlu ezingonombolo 3 kanye no 5.			0 1 2 3 4 5	
1.4	• Sebenzisa inombolo 5 ezimweni ejijwayelekile Ukuthuthukisa ukukhumbula, gqugquzela abafundi ukwenza lokhu: - Ukwazi sakuhuba izinombolo zocingo zomama nom aobaba bazo. - Ukwazi sakuhuba amakheli asemakhaya abo. - Izinombolo zocingo/umakkalekhukhwini kufane kuphindaphindwe ngesikhathi sokubizwa kweregista.			Usuku olu-1	
3.2	• Akha izinto ezinhlangothintathu usebenzisa izinto eziphathetkay o Izinto ezinhlangothi ntathu (3-D)			- Abafundi kufanele bakhe besusela kwisibonele sikathisha. Ubanika lemiyalelo elandelayo: - Akha umbhoshongo onobude obulinganayo nobami. - Akha umbhoshongo omfishane kunami. - Akha umbhoshongo onobude ngokuthe xaxa kunowami - Abafundi mabakhe okwabo ngokukopisha isibonelo abasinikiwe sento eyakhiwe.	Usuku olu-1 kuyaqhubeka Amabhuloki okwakha Noma iziphi ezinye izinto aBangazisebenzisa.

Isono 23	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
Ishloko	3.1 Isikhundla, isimo nokubukeka kuento <ul style="list-style-type: none"> Landela izinkomba ngokwenza iminyakazo endaweni ethize.(inkombandela) <ul style="list-style-type: none"> Thuthukisa umqodo wokulandela izimpawu “phambili nase emumva/uhlele” Ukusebenzisa umzimba <ul style="list-style-type: none"> Njengesingeniso, gcizelela ulwazi abaluthole ngesonto 8. <p>Sebenzisa izinto eziphathekayo ezi 3-D</p> <ul style="list-style-type: none"> Dweba indilinga enkulu, unxantathu, noma isikwele ephepheni ulibekе phansi/kumata. Abafundi abenze lokhu: Qhuba ithoyizi eliyimoto ukudala emigqeni abafundi bakutshele ukuthi imoto ihamba ibheke ngakuphi (phambili nasemuva, kwesobunxele nesokudia usebenzia ingalo isimo esokunxele nesokudia) 	3.1 Isikhundla, isimo nokubukeka kuento <ul style="list-style-type: none"> Landela izinkomba ngokwenza iminyakazo endaweni ethize.(inkombandela) <ul style="list-style-type: none"> Thuthukisa umqodo wokulandela izimpawu “phambili nase emumva/uhlele” Ukusebenzisa umzimba <ul style="list-style-type: none"> Njengesingeniso, gcizelela ulwazi abaluthole ngesonto 8. <p>Sebenzisa izinto eziphathekayo ezi 3-D</p> <ul style="list-style-type: none"> Dweba indilinga enkulu, unxantathu, noma isikwele ephepheni ulibekе phansi/kumata. Abafundi abenze lokhu: Qhuba ithoyizi eliyimoto ukudala emigqeni abafundi bakutshele ukuthi imoto ihamba ibheke ngakuphi (phambili nasemuva, kwesobunxele nesokudia usebenzia ingalo isimo esokunxele nesokudia) 	Izinsiza kufunda ezinconyiwe <ul style="list-style-type: none"> Izimo ezinkulu ezidwetsihwe ephepheni. Imoto yokudala 	Isikhathi esilinganisiwe <ul style="list-style-type: none"> Usuku olu-1

Is onto 23	<p>Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto</p>			
Ishloko	4.2	<p>Ubude</p> <p>Qagela ubude bezinto ezhilukene ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Abafundi bazihiela ngokwabo kusukela komfishane kakhulu kuya komude kakhulu. - Baqhathanisa ubude babo kanye nobaBangane babo. - Badlala umdlalo wesitimela, omude kakhulu wenza umnyakazo ngenkathi abasemuva bekopisha.shintsha umugqa ukuze omfishane kakhulu kube nguye oholayo manje. - Abafundi abaqhathanise izandla kanye nezinyawo zabo ukubona ukuthi ubani onezinde kakhulu/nezimfishane kakhulu. <p>Qagela ulinganise:</p> <ul style="list-style-type: none"> - Abafundi baqagela ukuthi iyiphi into ende kanye nemfishane isib.ubudebetafula noma isinqamu sentambo. - Qagela iyiphi into ende kakhulu noma emfishane kakhulu isib.umsizi noma amakhirayoni. - Abafundi baqagela ukuthi iziphi izinto ezingaba zinde kakhulu isib. Izinti zokuphuza isiphuzo ezixhumene ezi 2 noma izinsinjana ezincane zokubamba amaphepha/imali ezihunyiwe zaba 3. - Buza imibuzo enjengo: "iyiphi ende ngokuthe xaxa/ende kakhulu, umsizi noma isinqamu sentambo?" njii. - Isiphi isihlalo esikude kakhulu kune desiki lathisha? - Mingakhi imisizi enganelle uhlangothi olude lwedesiki lathisha? - Mangakhi amabhokisi ongawathatha ukufika emnyango? - Mangakhi amabhokisi omentshisi agcwete inhlabathi angalingana lelibokisi? - Zingaki izinkomishi sokukafaka amaqanda ezigcwelle manzi ezingaggwalisa lenglazi? - Kunabafundi abane nezihlalo ezintathu. - Zingakhi izihlalo esizidningayo ngaphezulu? 	<p>Izinsiza kufunda ezinconyiwe</p> <p>Amanothi Acacisayo</p>	<p>Isikhathi esilinganisiwe</p> <p>2 Izinsuku noma imissebenzi embalwa ekhethiwe kuphela</p>

Isono 24	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiseliwe ikilasi , ufhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.1 Ishloko	<p>Yethula incazeloyenombolo 6.</p> <p>Ukukhulumwa: bala izinto zansukuzonke kufinyelela kokuyi 6. Bala uye phambili ubuye uye emumva kufinyelela kokuyi 6 Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ukubala ngokwesikhundla: Uthisha upakisha izinto zokubala ezi-3 emuggeni khomba into ngayinye ngenkathi ubala okokuqala, okwesibili, okwesithathu.</p> <p>Gcizelela ulwazi “okuningi nokumbalwa” . Shaya izandla izikhathi eziningi IMA Shaya izandla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 6. Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba Abafundi benza lokhu:</p> <ul style="list-style-type: none"> - Bala kufike e 6 bekhuphuka izitebhisi. - Bala uye emumva behlela phansi - Dweba inombolo 6 enhlabathini uhambel/ugxume/weqe ngomlenze owodwa bayizungeze. - Shaya izandla izikhathi eziyi 6. - Khomba izinombolo 1 kufike 6 neqoqo lezimpawu zezinombol ezinkulu. - Ubeka anqwabelanise inombolo yendlu yakubo nomina inombolo yocingo namakhadi ezimpawu zezinombolo ezinkulu. 	<p>Amaculo nemilozeloyezinombolo.</p> <p>Benza iqoqo labo lezimpawu zezinombolo ezinkulu abafundi a Bangakwazi ukusebenza ngazo. Bangafunda izinombolo zeminyaka yabo, izindlu zasemakubo, izinombolo zocingo nomina makhalé khukhwini babazai nokunye okuningi.</p> <p>Iqoqo lezinombolo elifanayo lingasetshenziswa ukukhomba kanye nokulandelanisa izinombolo.</p>	Usuku I	

I onto 24	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , ufhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Isikhathi esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe
1.1 Bala izinto	<p>Sebenzisa izinto eziphathekayo ezi3-D</p> <p>Bala izinto ezisekilasini.Abafundu abenze lokhu:</p> <p>Buza imibuzo efana no: “</p> <ul style="list-style-type: none"> - Iyiphi inombolo eza emuva kokuthathu, iyiphi inombolo emuva koku 5 njii?” - Uthisha ubeka inqwaba yezinto etafuleni.abafundi baqagela inani i lazo, emuva kwalokho bazibale. - thuthukisa ulwazi lokugcinwa kwezinombolo ngokuthi abafundi baqoqele ndawonye izinto zokubala noma eziphi izinto nezindela ezihlukene.  <p>Uma kubalwa,inombolo yezinto ayithintwa ubungakho, isikhundia, noma ziynhlobo efanayo.isibonejo:</p> <ul style="list-style-type: none"> - Hlela izinkinobho ezi 6 ,umsizi 6 ,ama hula huphu 6 , abafundi 6 njii. - Zibale usebenzisa izindela ezihlukene isib. Zibale zendalekile, zisondelene, zisemugkeni noma ezilakanyene/ezibekwe enye phezu kwenye. <p>Hlukanisa abafundi babe amaqoqo ayisithupha.nika iqoqo ngalinye amabhluki okwakha ayi 6.</p> <p>Abafundi benza lokhu:</p> <ul style="list-style-type: none"> - Babala amabhluki abo - Bakha umbhoshongo ngamabhluki abo ayi 6. Gqugqzelia abafundi ukubala ama “bhuloki” njenga bakha umbhoshongo. - Uthisha uhamba iqoqo ngalinye afake amalebuli imibhoshongo yabo ngamakhadi ezinombolo.abafundi babala inani lemibhoshongo bekuphindaphinda izikhathi ezningana. - Khetha umfundu ukuphonsa idayisi.qiniseka ukuthi bonke abafundi bayalibona idayisi. abafundi babala inani lamachashazi bakhombe umbhoshongo ohambelana nawo. 	<p>Izinto ezisekilasini nasendaweni abaphila kuyo.</p> <p>Sebenzisa iznhlobo ezihlukene zezinisa kufundisa ukuthola umqondo wokusebenzisa amasu ahlekene.</p> <p>Amabhluki okwakha ayi 6 umfundu ngamunye</p>

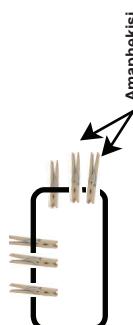
I onto 24	Isihloko	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselwelwe ikilasi , ufhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	1.3 Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Bazi izimpawu zezinombolo bakhombe amagama ezinombolo ezifaka inombolo 6 <p>Ukukhulumwa: bala izinto zansukuzonke kufinyelela kokuyi 6.</p> <p>Bala uye phambili ubuye emumva kufinyelela kokuyi 6</p> <p>Gcizelela ulwazi “okuningi nokumbalwa” .</p> <p>Shaya izandla izikhathi eziningi IMA</p> <p>Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 6.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Dweba inombolo 6 phansi abafundi bahambe bezungeza inombolo. Dweba inombolo 6 enhlabathini, emoyeni. Benza inombolo 6 ngobumba. Abafundi abaqagele inani labafundi abadingekayo ukwenza inombolo 6 ngemizimba yabo. Benza unombolo 6 ngemizimba yabo. <p>Sebenzisa izinto eziphatheskayo ezi3-D</p> <ul style="list-style-type: none"> Beka inqwaba yezipto etafulen.i.baddale ngezinombolo 1 kufike 6 isib. Abafundi abaqagele ukuthi zingaki izinto ezibekiwe. Babala izinto. <p>Ukusebenzisa imifanekiso noma izithombe (izimo ezinhlangothi mbili)</p> <ul style="list-style-type: none"> Khomba amakhadi anezithombe ezi 6 kwinlanganisela yamakhadi uwaxhumanise nenombolo efanayo yezipto zokubala. Khombisa amakhadi anezithombe ezi 6 uwaxhumanise nenani lamachashaza kanye nezinto zokubala ellingana nazo. Khombisa ikhadi elinamachashazi ayi 6 ulixhumanise nophawu kanye nezinto zokubala ezilinganayo. Bona kwinhlobo ezihlukene zamakhadi lawo anenomblo 6 uwaxhumanise nophawu kanye nezinto zokubala eziyi 6. 	<p>Amaculo nemilozeloyezinombolo</p> <p>Amakhati ezithombe namachashazi afaka inombolo 6 isib.</p>  	Usuku olu-1

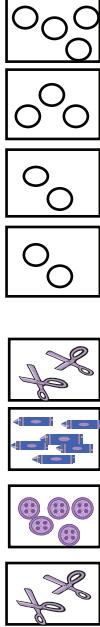
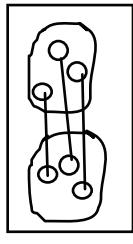
I onto 24	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiseliwe ikilasi , ufhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.13 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Xazulula ngokukhuluma izinkinga zezibalo zokuhlanganisa nokususa nezimpendulo kufike 6 <p>Ukuhkhuluma: bala izinto zansukuzonke kufinyelela kokuyi 6.</p> <p>Bala uye phambii ubuye uye emumva kufinyelela kokuyi 6</p> <p>Buza umbuzzo iyiphi inombolo yokushaya ebeningi / mbaalwa.</p> <p>Ukusebenzisa umzimba</p> <p>Izibonelo</p> <ol style="list-style-type: none"> Uthisha ubiza abafundi aba 3 bezze phambili. Abafundi bayababala, uthisha ubiza abanye aba 2 abuze: Bangaki abafundi bebonke? 3 kanye 2 → 5. (uthisha uthi: 3 kanye 2 kusimika 5) Uthisha upakisha izihhalo ezi 2. Wengeza 2 ngaphezulu. Zingaki izihhalo manje? 2 kanye 2 → 4. Uthisha uphakamisa isandla esisodwa athi: "bala iminwe yami. Uma ngifihla isithupha sami mingaki iminwe oyibonayo? 5 ususe 1 → 4. Abafundi mababale iminwe esandleni esisodwa. Fihla isithupha sakho, mingaki iminwe oyibonayo? 5 ususe 1 → 4 <p>Sebenzisa izinto eziphathekayo ezi3-D</p> <p>Abafundi bapakisha izinto zokubala ezi 6 benze lokhu okulandelayo:</p> <ul style="list-style-type: none"> Uthisha unikeza umfundi ngamunye izinto zokubala ezi 6. Uthisha unika umyalelo abafundi baphendule isib. Pakisha izinto zokubala ezi 2, engeza ezinye ezi 3. Zingaki zisonke? u 3 → 5. Bala izinto zokubala ezi 4. Bala okibili uqhubeka usuka koku 4. Kungaki onakho manje? 4 kanye 2 → 6. Bala bonke ubuhhalu onabo.uma umbhoza ubuhhalu obubili ngesandla,bungaki ubuhhalu obubonayo ? 6ususe 2 → 4. 	<p>Bala uye phambii ubuye uye emumva kufinyelela kokuyi 6.</p> <p>Amaculo nemilozelozelo yezinombolo.</p>	<p>Ubuhhalu noma izinto zokubala.</p>	

I onto 24	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselerwe ikilasi , ufhatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.13 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Xazulula izinkingga zezibalo zamagama ukhuluma ezifaka inombolo 6. Ukukhuluma: bala izinto zansukuzonke kufinyelela kokuyi 6. Bala uye phambii ubuye uehlele kufinyelela kokuyi 6 Gcizelela ulwazi “okuningi nokumbalwa” . Shaya izandla izikhathi eziningi IMA Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 6. Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa. <p>Sebenzisa izinto eziphathetkayo esinhlangothintathu</p> <p>Iziborelo:</p> <ol style="list-style-type: none"> UMphouunamakhakeha ama 4. USimo umnika ama 2 ngaphezulu. Mangaki amakhekhe uMpho anawo ewonke? UNomusa unodoli aba 3 kanti uLindiwe unodoli aba 2. Ubani onodoli abaningi? Bangaki odoli uNomusa anabo ngaphedu koddo bolIndiwe? Kunezinyoni ezi 5 ocingweni.ezi 2 zandiza zaHamba. Zingaki izinyoni ezisele? USimo unezmoto zokudala eziyi 6 . UThobile unezi 4, zingaki izimoto zokudala uThobile anazo ngaphansi kwezikasiMo? Ingane eyodwa inekhala ellodwa. Izingane ezintathu zinamakhala ama Ingane eyodwa inezinyawo ezimbili. Izingane ezintathu zinezinyawo ezi..... Ingane eyodwa inezingalo ezimbili. Izingane ezimbili zinezingalo ezi..... Ingane eyodwa inomlomo owoDwa. Izingane ezintathu zinemilomo emi..... 	<p>Amaculo nemilozelozelo yezinombolo</p> <p>Izinto zokubala</p> <p>Sebenzisa izinhlobonhlobo yezinsiza kufundisa ukunkika umqondo wokusebenzisa amasu ahlikene.</p>		Usuku olu-1
3.2 izinto esinhlangothi ntathu (3-D)	<ul style="list-style-type: none"> Akha isakhiwo esinhlangothintathu 3-D ususela emdwabeni noma ekhadini elinesithombe <ul style="list-style-type: none"> - Abafundi abenze lokhu: - Akha isakhiwo ususela emdwabeni noma esithombeni. - Abafundi bantshuntsha ubuhluu ngokulandelana okusesithombeni osinikeziwe. 		<p>amabbuluki noma iziphi into zokwakha ubuhluu, izintambo zezicathulo izinhlobo zamakhadi adwetshiwe akhombisa ukulandelana kobuhluu.</p>	

Isono 25	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)								
Ishloko		Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe						
1.1 Bala izinto	<p>Gcizelela ulwazi abaluzuze/bole kwisonto 24 okufaka inombolo 6</p> <p>Ukukhulumwa: bala izinto zansukuzonke kufinyelela kokuyi 6.</p> <p>Bala uye phambili ubuye uye emumva kufinyelela kokuyi 6</p> <p>Ukubala sakuhuba kusuka 1-10</p> <p>Gcizelela ulwazi “okuningi nokumbalwa”.</p> <p>Shaya izandla izikhathi eziningi MA</p> <p>Shaya izindla izikhathi ezimbawla. Uthisha ushaya izandla izikhathi ezi 6.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa</p> <p>Ukusebenzisa umzimba</p> <p>Badlala umdialo:</p> <p>Uthisha ubeka phansi ikhadihbodi elikhulu lezimo zezinombolo noma amakhadi afaka izinombolo 1 kufike 6 ngokulandelana kwazo.</p> <p>Uthisha unika abafundi imiyalelo efana no:</p> <ul style="list-style-type: none"> - Hlaa kunombolo 6. - Beka uzwanekunombolo 3. - Gijima uzungeze unombolo 2 izikhathi ezintathu. - Gxuma weqe unombolo 1. - Uthisha angahlwanyela amakhadi anezimpawu zezinombolo unike imiyalelo efana nale engenhla. 	<p>Amanothi Acacisayo</p> <p>Amaculo nemilolozele yezinombolo</p> <p>Iqoqo lamakhadihbodi amakhulu anezimpawu zezinombolo.</p> <p>Ungafaka umbala kulezigcezu zoplasitiki oqinile noma ikhadibhodi.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td> <td>6</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> <td>5</td> </tr> </table>	1	6	2	3	4	5	Usuku olu-1
1	6	2							
3	4	5							

I onto 25	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe
1.3 Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Ukubona nokukhomba izimpawu zezinombolo namagama ezinombolo ezifaka inombolo 6 <p>Ukukhulumu: bala izinto zansukuzonke kufinyelela kokuyi 6. Bala uye phambili ubuye uehlele kufinyelela kokuyi 6.</p> <p>Gcizelela ulwazi “okuningi nokumbalwa” .</p> <p>Shaya izandla izikhathi eziningi lMA</p> <p>Shaya izindla izikhathi ezimbawwa. Uthisha ushaya izandla izikhathi ezi 6.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p>	<p>Amaculo nemilozelozelo yezinombolo</p> <p>Amaculo nemilozelozelo yezinombolo</p> <p>6</p> <p>isithupha</p>

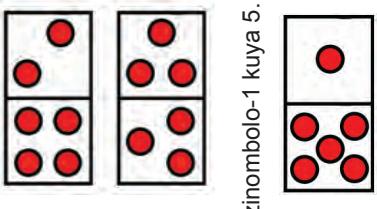
I onto 25	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe
1.4 Chaza, qhathanisa bese uhllea izinombolo	<ul style="list-style-type: none"> Hlela uqkhathani se izinto eziqoqwe usebenzise “okuningi kuno/okuncane kuno” kanye “okulingana no” kufike kumombolo 6 <p>Ukubala okusakuhuba: bala izinto zansukuzonke kufinyelela kokuyi 6.</p> <p>Bala uye phambili ubuye uhllele kufinyelela kokuyi 6</p> <p>Gcizelela ulwazi “okuningi nokumbalwa” .</p> <p>Shaya izindla izikhathi eziningi lMA</p> <p>Shaya izindla izikhathi ezimbawha. Uthisha ushaya izandla izikhathi ezi 6.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebeningi / mbalwa.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Uthisha ubeka ohula hoops phansi. Ubiza abafundi aba 3 bame phakathi kweyodwa abafundi ababili bame kwenye. Iyiphi ihola enabafundi abanangi kuyo? <p>Sebenzisa izinto eziphathekayo ezi 3-D</p> <ul style="list-style-type: none"> Abaafundi bahalala kumata benza izidleke (isidleke) ezimbiili ngovolo. Uthisha unika imiyalelo isib.abafundi bafaka izinto zokubala ezi 2 esidlekeni esisodwa nezi 4 kwesinye isidleke.isiphi isidleke esinokuningi? Isiphi isidleke esinokumbalwa? Kuphindie usebenzisa izinombolo kufike 6. Uthisha usebenzisa isivalo sesitsha se-ayisikrimu.ubambe isivalo ngamaphekisi ama 3 ngenhia kanye nama 3 ngakwesokudla kwasivalo. Impaphi amaphekisi amanangi kumananye , noma ayalingana? <p>Abafundi bangawenza lomsebenzi ngamaqoqo iqoqo ngalinye linesivalo namaphekisi alo.</p>  <p style="text-align: right;">Amaphekisi ezimpahla</p>  <p style="text-align: right;">Isivalo sesitsha</p>	<p>Amaculo nemilozelozelo yezinombolo</p> <p>Amahola 2</p> 	<p>Izingcezu ezi 2 zovolo kumfundu ngamunye</p> <p>izinto zokubala</p> 	<p>Usuku olu-1</p> <p>Khettha imisebenzi embalwa</p>

Is onto 25 Ishloko	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto) Ukusebenzisa imifanekiso noma izithombe (izimo ezi2-D)	Amanothi Acacisayo - Uthisha ukhombisa amakhadi anamachashazi kanye nezithombe anezinombolo  - Abafundi abaqhathanise amakhadi anezithombe namachashazi babone “okuningi kuno”, “okuncane kuno” kanye “okulingana noku” . Abafundi badweba izidleke ezimbili ocezwini lwephepha.ngokomyalelo bapakisha izinto zokubala bazixhumaniše nezinto zokubala ezikwisisidele ngasinye ngekhurrayoni. Thuthukisa umqondo ofana nokuhukanisa ngokulinganayo isib. 	Izinsiza kufunda ezinconyiwe Amakhadi ezithombe namachashazi Iphepha elu A4 kanye namakhirayoni Izinto zokubala Yenza amaqoqo ezinombolo eziphelele anezimpendulo ezifaka izinsalela isib. 
3.3 Izimo ezinhlangothi mbili (2-D)	Bona ukhombe usho izimo ezinhlangothi mbili ekilasini nasezithombeni • Benza baqede amaphazili abo ama 5	Abafundu benza lokhu: - Badweba isithombe ephepheni. - Uthisha udweba imigqa ngemuva kwemidwebo yabafundi. - Umfundu usika isithombe sakhe emiggeni ayinikiye. - Umfundu uqedha iphazili yakhe.	amakhirayoni iphepha amakhirayoni isikele imvilophu noma isikhwama sokuzenzela ufake amaphazili Usuku olu-1

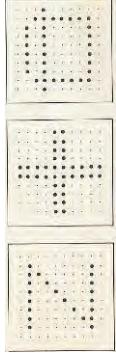
Isono 25	Isikhathi sokufunda esiphakanyisiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esilinganisiwe											
Ishloko	<p>5.1</p> <p>Qoqa bese uhlela</p> <ul style="list-style-type: none"> Inombolo yezinhlavu zamagama egameni lomfundu Ukuxazululuwa kwezingkinga: yethula inklinga kubafundi: “Ngabe amgama anezinhlavu ezyisithupha yiwona adumile? Singakuthola karjani lokho? Yiluphi olwazi okufanele siluqoqe?” <p>Qoqa ulwazi</p> <ul style="list-style-type: none"> - Abafundi babala inani lezinhlavu emagameni abo emalebulini amagama enziwe uthisha. - Uthisha uphakamisa ikhadi elinenombolo evumelana nenombolo yezinhlavu ezigameni lomfundu abuze; ubani onezinhlavu ezi 4 egameni lakhe ephakamise ikhadi elinophawu lwenombolo 4? Kuphinde usebenzise zonke izinombolo. <p>5.2</p> <p>Okumele izinto eziqoqiwe</p> <ul style="list-style-type: none"> - Uthisha udweba legirafu elandelayo uma ephakamisa izinombolo: <table border="1"> <thead> <tr> <th>Izinhlavu 3</th> <th>Izinhlavu 4</th> <th>Izinhlavu 5</th> <th>Izinhlavu 6</th> </tr> </thead> <tbody> <tr> <td>Ann Sam</td> <td>Musa Seni Simo</td> <td>Hlelo Tholi Zethu</td> <td>Nomusa Themba</td> </tr> <tr> <td>2</td> <td>3</td> <td>5</td> <td>2</td> </tr> </tbody> </table>	Izinhlavu 3	Izinhlavu 4	Izinhlavu 5	Izinhlavu 6	Ann Sam	Musa Seni Simo	Hlelo Tholi Zethu	Nomusa Themba	2	3	5	2	<p>Funda bese uhunusha ithebulu</p> <ul style="list-style-type: none"> - Iyiphi inombolo eiwayelekile yezinhlavu egameni? - Mangaki amgama anezinhlavu ezingaphezu koku 5? Amagama amabili anezinhlavu ezyisithupha. - Mangaki amgama anezinhlavu ezimbawla kunezi 5? Amagama amathathu 	
Izinhlavu 3	Izinhlavu 4	Izinhlavu 5	Izinhlavu 6												
Ann Sam	Musa Seni Simo	Hlelo Tholi Zethu	Nomusa Themba												
2	3	5	2												
	<p>5.3</p> <p>Xoxa bese usho ngezinto eziqoqiwe</p>														

Is onto 26	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Isikhathi esibekelwe Izinsiza ezinconyewe
Ishloko 1.1 Bala izinto	<p>Ukugcizelela ulwazi olutholwe ngokufaka izinombolo-1 kuya 6</p> <p>Ukukhulumba:ukubala izinto ufile ku-6.</p> <p>Ukubala uya phambili nokubala uye emumva ufile ku- 6.</p> <p>Ukugcizelela ukubala ngakubala usebenzisa umlolozelo wezinombolo</p> <p>Ukugxilisa ulwazi “lokunungi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinungiIMA</p> <p>Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya izandla kuze kuge ka-6</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elikhale kaningi /kamncane</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi ba;</p> <ul style="list-style-type: none"> - Benza isimo sophawu lwenombolo ngemizimba yabo. - Phakamisa iminwe ngokulandela umyalo kathisha. - Benza uphawu lwenombolongokusebenzisa isinqamusentambo noma inhlama yokudlala. - Yizwa ikhalibhodi lezimo zezinombolo esikhwameni bese uyayisho leyonombolo - Bhala izimpawu zezinombolo- 1 kuya 6 esihlabathini noma emoyeni njil. 	Usuku olu-1

Is onto 26	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)			
Ishloko	1.1	Bala izinto Ukusebenzia izinto eziphathetekayo ezinhlangothi ntathu-3-D Yenza abafundi ba; <ul style="list-style-type: none"> - Bala izinto ekilasini ufake nezinombolo 1 to 6 - Bala izinto zokubala ufile kunombolo-6. - Beka amakhubhu axumanayao ambalwa nomia izinto zokubala ezinombala uzimise umugqa phezu kwetafula. - Abafundi baqondanisa amakhubhu nemibala usebenzisa amakhubhu axumanayao nomia izinto zokubala - Isibonelo. 	Izinsiza ezinconyewe Izinto ekilasini Izinto zokubala ezinombala nomia amakhubhu axumanayao	Isikhathi esibekelwe
Is onto 26	1.1	Bala izinto Ukusebenzia izinto eziphathetekayo ezinhlangothi ntathu-3-D Yenza abafundi ba; <ul style="list-style-type: none"> - Bala izinto ekilasini ufake nezinombolo 1 to 6 - Bala izinto zokubala ufile kunombolo-6. - Beka amakhubhu axumanayao ambalwa nomia izinto zokubala ezinombala uzimise umugqa phezu kwetafula. - Abafundi baqondanisa amakhubhu nemibala usebenzisa amakhubhu axumanayao nomia izinto zokubala - Isibonelo. 	Izinsiza ezinconyewe Izinto ekilasini Izinto zokubala ezinombala nomia amakhubhu axumanayao	Isikhathi esibekelwe
Is onto 26	1.3	Izimpawu namagama ezinombolo Ukwaazi izimpawu zezinombolo nokubona amagama ezinombolo ezifaka oku -1 kuya koku 6 Ukukhuluma; Ukubala izintokusuka ufile ku-6 nsukuzonke. Ukubala uya phambili nokubala uya emumva-6. Ukugcizelela ulwazi “lokuningi “no”kumbalwa” Shaya ihlombe izikhathi eziningiIMA Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya izandla kuze kuge ka-6 Ukusebenzia izimo nomia izithombe ezinhlangothi mbili 2-D Asidiale umdalo: <ul style="list-style-type: none"> - Uthisha ubhala amagama ezinombolo kwenye ingxenyeye yekhadi bese ubhala uphawu lwenombolo kwenye yekhadi nezimpawu zezinombolo kwenye ingxenyeye. (yenza amaseithi ambalwa ukuze umfundii ngamunye abe nekhadi). - Abafundi baftunda amagama ezinombolo bese beqagela uphawu lwenombolo. - Baphendulaikhadi balibhekise phezulu bese bezibonela impendulo eyiyo. 	Usuku olu -1 ngaphambili ngemumua isith upha 6	Amakhadi afaka izinombolo 1-6 namagama ezinombolo ngakwenye ingxenyeye yekhadi nezimpawu zezinombolo kwenye ingxenyeye. (yenza amaseithi ambalwa ukuze umfundii ngamunye abe nekhadi).

Is onto 26	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Isikhathi esibekelwe Izinsiza ezinconyive
<p>Ishloko</p> <p>1.7 Ukuhlanganisa nokususa</p> <ul style="list-style-type: none"> Ukuxazulula izinkinga ngokukhulumu ezimweni ezinikeziwe bese isixazululo okufaka inombolo isi-6 <p>Ukuhlanganisa nokususa: ukubala izinto ufiye ku-6 nsukuzonke.</p> <p>Ukukhulumu: ukubala izinto ufiye ku-6 nsukuzonke.</p> <p>ukubala uya phambili nokubala uye emumva ufiye ku-6 ukugcizelela ubala ngakubili usebenzia umiolozelo wezinombolo</p> <p>Ukugcizelela ulwazi “okuningi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinlingiIMA</p> <p>Shaya ihlombe izikhathi ezimbala. Utishha ushaya izandla kuze kuge ka-6</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elibe liningi /mncane</p> <p>Ukusebenzia izinto eziphathekayo ezinhlangothi ntathu 3-D</p> <ol style="list-style-type: none"> Nika umfundu iphepha A4 elinomugqa odwetsihwe wavundla kanye nezinto zokubala ezi-6 isib  Tshela abafundi baphonse izinto zokubala ngokucophetela phezu kwephapha lelo bese bechaze ukuthi ziwe kanjani.isib. <p>6-izinto zokubala kumfundu ngamunye A4- iphepha elinomugqa ovundilephakathi nendawo</p>  <ol style="list-style-type: none"> Phinda ngezinombolo-1 kuya 5. Ukuxazulula inkinga: bachaza ukuthi bayixazulule kanjani lenkinga. Yenza kanje nasekuxazzuleni izinkinga zezibalo zokususa. 		

Is onto 26		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)		
Ishloko	Izinsiza ezinconyewe	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
4.4 Umrhamo/ okumumethwe	<ul style="list-style-type: none"> Ukwethula ulwazi lokulinganisa umthamo ngokuqhathanisa ukuthi izitsha ezehlukene zingamumathha into engakanani. Isib. “akunaluthofukugcwele” “kungaphezulu/kungaphansi” kuningi, kuncane <p>Ukwethula umthamo kubafundi ngokubuza ukuthi yisiphi isitsha esingamumatha okuningi. Abafundi bayaqhathanisa ukuphakama kunokuphakathi. Isib.uma ubuza, isitsha esiphakeme nomu isitsha esifishane, abafundi abaningi bazokhetha isitsha eside nomu ngabe isitsha esifishane singamumatha okuningi okusaketshezi.</p> <p>Ukunyakazisa umzimba</p> <p>“okuningi kune/okuncane kune”</p> <ul style="list-style-type: none"> Ukuzebenzisa isitsha esisodwa njengesikalii esilinganisiwe isib.inkomishi yeyogadi,Nika abafundi izinhlobo ezahlukene zeztsha. Yenza abafundi ba: Thola ukuthi yiziphi izitsha ezimumath “okuningi”okumumeth “okuncane” kunesikalii esilinganisiwe njenge inkomishi yeyogadi.yisiphi isitsha esimumumatha okuning?Yisiphi isitsha esimumumatha kancane? Nika abafundi isipuni nebhakede elinesihlabathi nesipuni esizokukha isihlabathi sifakwe emakini <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> Bala ukuthi zingaki izipuni zesihi labathi ezingaggewalisa inkomishi. Ucwanningo lungenzwa lube lukhunya ngokusebenzisa izitsha eziningi isib.inkomishi, inglazi yeplastiki nebhodlela elincane. Yenza lomsebenzi ngokusebenzisa izinkomishi. 	<p>Uuku olu -1</p> <p>khetha kuphela umsebenzi owodwa nomu emibili</p> <p>Amanzi(ngesikhathi sokudlala ngamanz) nasesihlabathini (ngesikhathi sokudlala esihlabathini) yizindawo ezifanele zokuthuthukisa umthamo.</p> <p>Izinhlobo zeztsha ngokwezimo nobungako obehlukene.</p> <p>Inkomishi yeyogadi</p> <p>Ibhakede lesihlabathi inkomishi isipuni</p>		

I onto 26	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Amanothi Acacisayo	Izinsiza ezinconyewe	Isikhathi esibekelwe
Ishloko	<p>3.1</p> <p>Isikhundla indawo nokubukeka kwayo</p> <p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu 3-D</p> <p>Ukusebenzisa ibhodi lamaphekisi:</p> <p>Okokugala yenzauumfundi asebenzise isandla sangakwesokudla bese kulandela leso sangakwesokunxlebese besebenzisa zombili kanyekanye ukubeka amaphekisi ebbodini.</p> <ul style="list-style-type: none"> - Utishha utshela abafundi ukuthi abekwa kuphi amaphekisi.isib. <p>emqgeni ophezulu emqgeni ongezansi ngasengxenyeni yesokunkxele phakathi nendawo</p> <p>Yenzaabafundi ba:</p> <ul style="list-style-type: none"> - Benza izimo ebbodini lamaphekisi amaphekisi anombalwa. - Utishha wenza iphethini elula ebbodini lamaphekisi akhe bese abafundi bekopisha iphethini yakhe kumabhodi abo. - Abafundi bakopisha iphethini isuselwya ekhadini elinephebhini edwetsihwe kulo. 	<p>Ukuchaza into eyodwa noma ngaphezulu enhlangothi ntathu 3-D nobudlelwano bazo</p> <ul style="list-style-type: none"> • Izikhundla zezinto ezimbili noma ngaphezulu zinobudelwano obunjani kwenye nenyenakuyona 	<p>Ibhodi lamaphekisi kumfundí ngamunye noma ngamaqembu Amakhadi anaphethini adwetsihwe kuwo.</p>	Usuku olu -1

Is onto 27		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)		
isihloko	Bala izinto	Amanothi Acacisayo	Izinsiza ezinconyewe	Amanothi Acacisayo
1.1	<ul style="list-style-type: none"> Ukwethulwa kokukqonda inombolo-7 <p>Ukukhulumu: Ukubala izinto ufile ku-7 nsukuzonke.</p> <p>Ukubala uya phambili nokubala uye emnya ufile ku-7.</p> <p>Ukubala okusakuhuba 1-10</p> <p>Ukugcizelela ukubala ngezikhundla:</p> <p>Isha upakisha izinto ezi-3 engqeni.ukhomba into eyodwa ngesikhathi ebala owokügala, oweisibili owestithathu, owesine.</p> <p>Ukugxilisa ulwazi “lokuningi “no”kumbalwa”</p> <p>Shaya iħlombe izikhathi ezinlingi IMA</p> <p>Shaya iħlombe izikhathi ezimbalwa. Uthisha ushaya izandla kuze kuge ka-7</p> <p>Buza umbuzo ukuthi yiżphi iħlombe eibe liningi /mnċane</p> <p>Ukunyakazisa umzimba</p> <ul style="list-style-type: none"> - Uthisha uħlukkanisa ikilasi ngamaqembu.Unika iqembu ngalinye amabħola ayi-7 enziwe ngamaphepha. - Yenza abafundi baphonse amabħola kubħasikidi. Abafundi babala bephimisla ngesikhathi bephonse amabħola. - Bala izikhawu uthsha esħaya phezu kwetafula bese bennligisa. - Ukubala ulandela isigqi esezitebħisi esijwayelekile ngesikhathi abafundi behamba behla ngezitebħisi/ilele bekheleza bengħa bephuma kumahula hubhu. - Beshħaya ngezinyawo belandela lesu sigqi esijwayelekile. 	<p>Imilolozel namaculo ezinombolo</p> <p>Amabħola ngephepha Obħasikidi</p>	<p>Usuku olu -1</p>	

Is onto 27	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	Amanothi Acacisayo	Amanothi Acacisayo		
1.1 Bala izinto	<p>Ukusebenzisa izinto ezphathetekayo ezinhlangothi ntathu 3-D</p> <p>Uthisha ubeka inqwaba yamabhuholi okwakha phansi phakathi nendawo. Ubanika umyalelo njengo.</p> <ul style="list-style-type: none"> - Thatha amabhuholi ama-3 enqwabeni. - Thatha amabhuholi ama-4 enqwabeni bese ubuyisela amabili emumva njil - Uthisha ubeka inqwaba yezinto phezu kwetafula. Yenza abafundi baqageli ukuthi zingaki izinto ezseneqwabeni. Abawabale uma sebeqagelile. - Ukuhuthukisa ukuqaphela ukgcina kwezinombolo ngokutshela abafundi bapakishe izinto kokubala eziyisikhombisa nomu ngabe iyphi intongezindela ezifanele. Isib. <p>Ngesikhathi bebala, inani lezinto aliphazamisekile ubungako bazo nomu isikhundla nomu kuyizinto ezifanayo. Isibonele:</p> <ul style="list-style-type: none"> - Ukuhlela izinkinobho ezi-7, amapensela ayi-7, amahula hubhu ayi-7, abafundi abayi-7 njil. - Ukuubala ngezindela ezahlukene isib. zibale zihukaziwe, ziyoqelwe ndawonye, uzibeke emgqeni nomu zipakishwe. <p>Ukusebenzisa izimo nomu izithombe ezinhlangothi mbili 2-D</p> <p>Masidiale umdla:</p> <ul style="list-style-type: none"> - Uthisha uyadweba nomu unamatheleza izithombeengxenyeni eyodwa yekhadi nokudweba inani lamachashazi ngakwenye ingxene yekhadi ufaka izinombolo 1 kuya-7 (yenza amasethi ambalwa) - Uvezela umfundsi ikhadi lesethi ellodwa. - Abafundi babala inani lezithombe ekhadini - Liphendule ikhadi ngakwenye inxene bese ubala inani lamachashazi. - Uthisha uphakamisa isethi lamakhadi elinamachashazi - Abafundi baqondanisa amakhadi abo nenani lamachashazi kathisha. - Uthisha uphakamisa isethi lamakhadi elinezimpawu zezinombolo. - Abafundi baqondanisa amakhadi namakhadi ezimpawu zezinombolo kathisha. - Umfundsi opethe ikhadi elifanele uyasukuma bese ebala inani lezithombe ngokokusakuhuba 	<p>Izinsiza ezinconyewe</p> <p>Amabhuholi okwakha nomu amabhuholi eLego</p> <p>Amasethi ambalwa ezithombe, amachashazi nezimpawu zezinombolo kusuka ku-1-7</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">sezinto ezi-7</td> <td style="text-align: center;">7</td> </tr> </table>	sezinto ezi-7	7	
sezinto ezi-7	7				

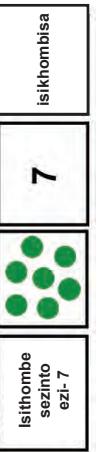
Is onto 27		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)									
ishloko	Amanothi Acacisayo	Izinsiza ezinconyiwé	Amanothi Acacisayo								
1.13 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Ukuxazulula izinkinga ngokukhulumma ezinikeziwe ngokuhlanganisa nokususa ezifaka inombolo-7 <p>Ukukhulumma: Ukubala izinto ufile ku-7 nsukuzonke.</p> <p>Ukubala uya phambili nokubala uye emmva ufile ku-7.</p> <p>Ukugxilisa ulwazi “lokunungi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinlingiIMA</p> <p>Shaya ihlombe izikhathi ezimbalwa. Uthisha ushaya ihlombe izikhathi ezi-7</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elibe liningi /mnccane</p>	<p>Amaculo nemilolozelo ezinombolo</p>	Usuku olu-1								
1.6 Amasu okuxazulula izinkinga	<p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Ukusebenzisa ilele lezinombolo ilele phansi (okuvundile) Ngasosonke isikhathi qala ngo-0. Bala ngesikhathi unyakaza. <p>Uthisha ubuza abafundi:</p> <ul style="list-style-type: none"> Iyiphi inombolo elele phakathi kuka-4 no-6? Abafundi bazijwayeza ukusebenzisa ilele lezinombolo. Yiziphi izinombolo ezilele phakathi kuka-2 no-5? Ngokubona kwakho yenza abafundi bazi inombolo-7 ngokusebenzisa imizimba yabo benyakaza. <p>Ukusebenzisa izinto eziphathetekayo ezinhlangothi mbili - 3-D</p> <p>Nika umfundi ngamunye ubuhluu obu-7 nomu izinto zokubala</p> <p>Buza imibuzzo njenga;</p> <ul style="list-style-type: none"> Susa into yokubala-1 kwene ingxene (ngokwesinxele). Uma sengeza ngenye into yokubala uyisa ngakwesokunxele, sezingaki esinazo manje? 1 no 1→2 (uthisha uthi: 1 no 1 kwenza 2) Susa izinto zokubala-4 ngakwesokunxele. Uma sengeza ngoku-2 ngaphezelu ukusa ngakwesokunxele, kungaki esinakho? 4 no 2→6 Unezinto zokubala ezi-5 besse ususa ezi-2, zingaki ezisele? 	<p>Ubuhluu nomu izinto zokubala</p> <p>Izinto zokubala</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></tr> </table>	0	1	2	3	4	5	6	7
0	1	2	3	4	5	6	7				

Isonto 27		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	
ishloko	Amanothi Acacisayo	Izinsiza ezinconyewe	Amanothi Acacisayo
1.11 Imali	<ul style="list-style-type: none"> Bona bese ukhomba imali engamaphephya yase Ningizimu Afrika <ul style="list-style-type: none"> - Ukuzebenzisa imali yamaphephya isib.. R10, R20, R50, R100, R200 - Yenza abafundi bazu umehluko wezithombe zeziwane ezsimalini yamaphephya - Ukwenza samdialo ngemali ekhoneni lendlu. 	<p>Izibonelo zemali yangempela yamaphephia R10, R20 no R50 (noma imali yokudala)</p>	Usuku olu -1
1.9 Ukwenza amaqoqo nokwabelana okuholela ekuhlukaniseni	<ul style="list-style-type: none"> Ukuxazulula izinkinga zezibalo zamagama Ukuukhulumma ngokwesimo (izibalo zengxoxo) ezifaka; <ul style="list-style-type: none"> - Ukwabelana okulinganayo, - Amaqoqo ezinombolo eziphelele kanye - Nezimpendulo ezinezinsalela urike-7 	<p>Ukuukhulumma: ukubala izinto urike ku-7 nsukuzonke</p> <p>Ukubala uya phambili nokubala uye enumvva urike ku-7</p> <p>Ukugxilisa ulwazi “lokunigi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi eziningi … IMA</p> <p>Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya ihlombe izikhathi ezi-6</p> <p>Buza umbuzzo ukuthi yiliphi ihlombe elibe liningi / mncane</p>	<p>Khetha owoedwa nom a emibili imisebenzi yokunyakazisa umzimba ngerezinto eziphathekayo nezimo nezithombe.</p> <p>Amaculo nemilozelo ezinombolo</p>

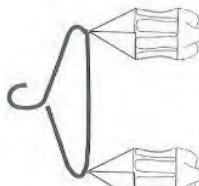
Isonto 27	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	
ishloko	<p>1.9 Ukwenza amaqoqo nokwabelana okuhotelala ekuhlukaniseni</p> <p>Izibonelo:</p> <p>Ukwakha amaqembu usebenzisa abafundi:</p> <p>Izibonelo:</p> <p>Ukusebenzisa izinsiza ezahlukene ukukunkika imiqondo ehlukene ukuyisebenzisa kumqhinga ahlukene</p> <p>Amanothi Acacisayo</p> <p>Izinsiza ezinconyiwé</p> <p>Amanothi Acacisayo</p>	<p>Ukunyakazisa umnzimba</p> <p>Ukusebenzisa izinsiza ezahlukene ukukunkika imiqondo ehlukene ukuyisebenzisa kumqhinga ahlukene</p> <p>Izinto zokucaca noma amatafula nezitulu.</p>  <p>Izibonelo:</p> <ol style="list-style-type: none"> 1. Yenza abafundi bakhe amaqembu nga-2, 3, 4, 5 ne 6.Bala ukuthi Bangaki eqenjini. 2. Dweba izimo ezinkulu negezinto eziphathekayó nomá esihlabathini.Abafundí bakha iqembu isib. abafundi aba-4ngaphakathi esimweni. 3. Ngesikhathi sokudla uthisha uthi."Ningahambá ngamaqembu nga-4 ukuyogea izandla" izandla" Kunokuba athi "abafundi abane Bangahambá bayogeza izandla" 4. Khetha abafundi aba-7 usebenzisa umlolozelo wezinombolo 5. Yenza abafundi benze sengathi bayizinyoni bese benza "okusasihlahlá" besebenzisa into aBangacaca kuyo ngaphandle nomá izitulu namatafula ngaphakathi 6. Uthisha uthuma izinyoni ezi-2 (esihlahleni" (abafundi aba-2 bacaca kulokho abakuniwe), Kwalandela enye inyoní yaya esihlahleni."Zingaki izinyoni ezsiesihlahleni manje, zingaki izinyoni ezsiesel phansi? 7. Phinda lomsebenzi kuwo wonke amaqembu usebenzisa izinombolo-1 kuya ku 7 <p>Ukusebenzisa izinto eziphathekayó ezinhlangothi ntathu 3-D</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> 1. Uthisha unika abafundi izinto zokubala.Yenza abafundi bakhe amasethi ezinto zokubala nga-4 isethi Yenza abafundi bakhe amasethi ezinto zokubala nga-3 isethi"Zingaki izintozokubala onazo esethini elisha? 2. Abafundi mabhadwebe izindilinga ezbibili ephepheni.Umyalelo ophuma kuthisha, abafundi bapakisha izinto zokubala ngamasethi amabilii kwenyé isethi kubé kunyé. Buza imibuzo njenga; Yiliphi isethi elinokuningi/nokuncane?

Isono 27	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	Amanothi Acacisayo	Izinsiza ezinconyive	Amanothi Acacisayo
ishloko	<p>4.4 Ukuqhatthanisa nokuhlela izinto eziphathetkayo usebenzisa amagama afanele ukuchaza:</p> <ul style="list-style-type: none"> a) umthamo b) akunalutho, kugcwele, kungaphansi, kungaphezulu, okuningi, okuncane <ul style="list-style-type: none"> • Ukugcizelela ulwazi olutholwe esontweni lesi-26 ukufaka umthamo <p>Ukukhulumo: Ukubala izinto ufike ku-7 nsukuzonke</p> <p>Ukubala uya phambili nokubali uye emumva ufike ku-7.</p> <p>Ukubala ngokokusakuhuba 1-10</p> <p>Ukugxilisa ulwazi “lokunungi” no “kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinlingi IMA</p> <p>Shaya ihlombe izikhathi ezimbala. Uthisha ushaya iihlombe izikhathi ezi-6</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elibe liningi /mnane</p> <p>Ukunyakazisa umnzimba</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Lungisa izitsha ezimbili noma ezintathu ezingenalutho ezechlukene umthamo ongafani. Ngamanye amagama isiphi isitsha esizomumatha okuningi noma okuncane? Abafundi bazohloka ukugagela kwabo ngokuthela amanzi negezinkomishi ezisheni ezingenalutho bese bebala ukuthi yisiphi isitsha esimumumatha amankomishi amanangi noma amancane. Yandisa inani lezitsha ezingenalutho ezzokwenza kube luhunyana. . - Abafundi Bangasebenzia inkomishi njengeskali bese becaBanga ukuthi mangaki amankomishi erayisi noma ubhontshisi noma isihlabathi eesizosethenziswa ukugcwalisa lezozitsha ezingehla. - Hlela izitsha ezifanayo (isib, amabhakede endaweni yesihlabathi) kusukela kwesincane kuya kwestikhulu. - Nika abafundi izinhlobo zezitsha ezechlukene (ubungako nezimo ezechlukene) bese ubuzza imibuzzo enjenga; <ul style="list-style-type: none"> o “Yisiphi kulezitsha uma ucaBanga, esingamumatha isihlabathi/amanzi amanangi? yini ukusigcwala?” o Qagela uma uthela amanzi kwestinye isitsha ubuye uwatheli kwestinye, azokwazi <ul style="list-style-type: none"> - Yenza abafundi bazitholele ukuthi kwenzakalaní uma isitsha sithelwá amanzi angagcwele bese uphonsa izinto ezincane isib, faka izinto ezilula ezihlanzekile, amabhuloki eLego, amabhuloki eplastiki. Abafundi bazokujabulela ukudiala umdialo wokuqagela lapho ukuthi isiphi isitsha esimumumatha okuningi bese bebheka ukuthi ubani ophumelele waqagela kahle. (uthisha uyasho ukuthi izinto ezintantayo angeke zholele ekuphakameni kwamanzí.) 	<p>Amanzi (ngesikhathi sokudala ngamanzí) nangeshihlabathi (ngesikhathi sokudala ngesihlabathi endaweni yesihlabathi) izindawo ezifanele zokuthuthukisa umthamo.</p> <p>Amaculo nemilozele yezinombolo</p> <p>Izinhlobo zeztitsha ezechlukene ngokwezimo nangobungako</p> <p>inkomishi</p> <p>inkomishi irayisi ubhontshisi amabhakede anobungako obenhluken endaweni yesihlabathi</p> <p>izinhlobo zeztitsha ezechlukene ngezimo nobungako amanzi isihlabathi izinto njengezinto ezilula ezihlanzekile, amabhuloki eLego, amabhuloki eplastiki.</p>	<p>Izinsuku 2</p> <p>Ungakhetha imisebenzi embili noma emithathu</p> <p>Izinsuku 2</p>	

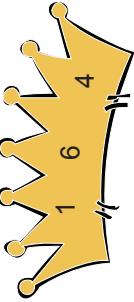
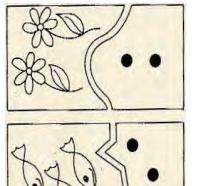
I onto 28	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwé ikkasi, uthatha imizuzu okungenani engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsizakufudisa ezinconyiwe	Isikhathi esilinganisiwe
1.1 Bala izinto	<p>Gcizelela ulwazi olutholakele olufaka izinombolo ukufika koku 7</p> <p>Okukhulumma: Bala izinto zansukuzonke ukufika koku 7.</p> <p>Bala uya phambili ubuye uye emumva ukufika koku 7.</p> <p>Ukugcizelela ulwazi olukhulumma “ngokuningi” “nokumbalwa”.</p> <p>Shayani izandla zenu izikhathi eziningi IMA</p> <p>Shayani izandla zenu izikhathi kambalwa / kancane Uthisha ushaya izandla ukofika ezikhathi eziyi 7.</p> <p>Buza umbuzo obuza ukuthi uzushaye kaningi / kambalwa.</p> <p>Ukusebenza ngomzimba</p> <ul style="list-style-type: none"> - Abafundi ababili babizelwa phambili bese bebabamba uphawu lwenombolo ehambisana nabo. - Kubizwa omunye futhi umfundi .abanye abafundi bayababala bese oyedwa wabo ebemba inombolo ewu 3.. - Baqhubeka baze bafike kwabayisi 7 abame phambili. . <p>Ukusebenzisa Izinto ezinezimo ezinhlangothintathu</p> <ul style="list-style-type: none"> - Beka amathini awu 7 emugqeni ,isibonelo: <div style="text-align: center;"> </div> <ul style="list-style-type: none"> - Abafundi bafaka uhlamu /itshe ethinini lokuqala ,ezimbili kwelesibili; ezintathu kwelestathu baqhubeka baze baqede onke amathini. Bafaka izinhlamvu ngangezinombolo ezbihalwe ngaphandle emathinini. - Thatha amakhrayoni agcwala isandla (aphakathi kwau 10 kuya kwau 15) bese bezifaka emagini Tshela abafundi ukuba baqagele ukuthi mangaki .Akuxoxwe izimpendulo zabo. - Khombisa ukuthi abalwa kanjani ngokukhipha eyodwa ngesikhathi uwabeke ngomugqa. 	<p>Imilolozelo namaculo ezinombolo</p> <p>Izimpawu zezinombolo ezikumakhadi ezinezinombolo 1 ukufika koku 7.</p>	<p>Amathini ayi 7 anezinombolo ezinamatheliswe kuzo.</p> <p>Iznhlamvu zembewu namatshe.</p>	<p>Amkhrayoni nemagi.</p>

I onto 28	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwe ikiasi, uthatha imizuzu okungenani engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsizakufudisa ezinconyiwe	Isikhathi esilinganisiwe
Ishloko 1.3 Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Bona izimpawu zezinombolo namagama ezinombolo ezifika koku 7. <p>Ukusebenzisa izimo ezisamifanekiso ezinhlangothintatu nezithombe</p> <p>Diala umdialo:</p> <ul style="list-style-type: none"> - Abafundi bahlala benze indilinga. Beka ikhadi lenombolo libheke phansi phambi komfundu ngamunye. (kungaba upnawu lwenombolo, igama lenombolo, ikhadi lamachashazi nomu ikhadi elinesithombe elinezinombolo 1 kuya 7) - Tshela abafundi ukuthi badulise ikhadi komunye umfundi ngokulishushulizisa libheke phansi/kukhaphethi - Abafundi basho: “inombolo eyimfhlo, inombolo eyimfhlo, kungaba iyiphi? Awuthi ngilunguze” - Abafundi balunguza amakhadi abo. - Uthisha uphakamisa ikhadi lakhe lenombolo. - Umfundu onekhadi elifana nellkathisha uphakamisa elakhe athi: “ngizophakamisa kakhulu ikhadi lami khona wonke umuntu ezolibona”. 	  	Usuku olu-1	
3.2 Izinto ezinhlangothi ntathu (3-D)	<p>Yakha izinto ezinhlangothintathu usebenzisa izinto eziphathekayo</p> <ul style="list-style-type: none"> Kopela ukwakha okudwetshiwe nomu ekhadini lesithombe <p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Umfundu wakha isakhiwo esifanayo nokudwetshiwe nomu okusesithombeni. - Kopisha okudwetshiwe ngokufanayo nokusesithombeni usebenzissa ibhodi lamaphegi. <p>Ukusebenzisa izimo nomu izithombe ezinhlangothi mbili 2-D</p> <p>Qhubela lomsebenzi ebucikweni obubonakalayo.</p> <ul style="list-style-type: none"> - Nikeza umfundu ngamunye iphepha elinezindilinga ezinhlobonhlobo ezinkulu nezhincane, onxantathu nezikwele ezisephenehi. - Sika izimo wakhe izakhiwo ezi 2-D ephepheni bese uzinamathisela. - Hibisa izithombe ngemidwebo. 	<p>“izimo ezilogi” amabhuholi amakhono “amabhuholi asebenzisa umqondo” Izinto okhwakha. Ibhodi lamaphegi</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Sika izimo wakhe izakhiwo ezi 2-D ephepheni bese uzinamathisela. - Hibisa izithombe ngemidwebo. 	Usuku olu -1 kuyaqhtshekwa	

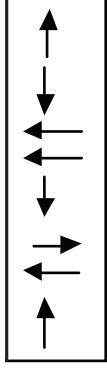
Is onto 28	<p>Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwe ikiasi, uthatha imizuzu okungenani engama 30 (okungenani ka 5 ngesonto)</p>		
Ishloko	Amanothi Acacisayo	Izinsizakufuodisa ezinconyiwe	Isikhathi esilinganisiwe
3.4 Okufana nse nxazombili	<ul style="list-style-type: none"> Ukuthuthukisa ikhono lokunqamula phakathi nendawo <p>Ukunyakazisa umzimba</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> Bheka ulwazi olutholakale ngokweddile; thinta amalunga omzimba ahlukena ngokuyalewa. Diala "USimon uthi: thinta i yakh" Nika imiyalelo elula lapho abafundi bezothinta imigqa yabo ephakathi nendawo efana ne; thinta idolo lakho ngekhala lakho. Thinta ihlombe lakho ngendlebe yakh. Thinta idolo lakho lesinxelle ngonyawo lwakho lwestida. Thinta idololwane yakh ngesandia sakho njil. 	<p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu 3-D</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> Dweba indiliinga enkulu ebhodini. Dweba umugqa oqondile ebhodini. Qinisekisa ukuthi umfundi unqamula umugqa wakhe ophakathi nendawo. Ebhodini dweba umugqa osuka ehashazinini uya kwelinye ichashazi elikude nalo. Dweba inombolo eyisisihiyagalombili ivundle ebhodini. Sebenzisa iminyakazo emkhulu ukuginisekisa ukuthi umfundi unqamula umugqa wakhe ophakathi nendawo. (Umfundi usebenzisa zombili izandla zakhe sekudla nesobunxele) 	<p>Ukusebenzisa izimo nomai izithombe ezinhlangothi mbili 2-D</p> <p>Sebenzisa kuhiangane nobuciko obubonakalayo</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> Penda ephephandabenii elinamakhasi amabili kusuka kwesokunxele kuya kwesokudia.

I onto 28	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwé iklesi, uthatha imizuzu okungenani engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsizakufudisa ezinconyiwe	Isikhathi esilinganisiwe
4.3 Isisindo	<p>Ukuqhatthanisa nokuhlela izinto eziphathetkayo usebenzisa amagama afanele ukuchaza:</p> <p>Isisindo Isib. Kulula, kuyasinda, kulula kakhudiwana, kusinda kakhudiwana</p> <ul style="list-style-type: none"> Yethula uiwazi olusha uluzofundwa lesisindo <p>Linganisa isisindo ukuthola ukuthi into isinda kangakanani.</p> <p>Ukunyakazisa umzimba</p> <p>Yenza abafundi baqagele isisindo sezinto:</p> <ul style="list-style-type: none"> Bamba lezinto ezilandelayo, eyodwa esandleni esisodwa ukuqagela ukuthi iyiphi esindanda kakhudiwana nokuthi iyiphi elula kakhudiwana. Isib. Itshe nebhuloki lokwakha. Ithoyizi lemoto kapulasitiotki nthoyizi lemoto kathayela. Ithini lekhofi nerola lephepha lasendlini yangasese. Ibholu elikhulu lenjoloba nebholu lomphebezo. <p>Abafundi bajwayele ukubuka into enkulu njengento esindayo uma kuthiwa abaqaqege ukuthi iyiphi esindakkakhudiwana phakathi kwezinto ezimbili.</p> <ul style="list-style-type: none"> Yethula isikali sokuzimelela isib. Kala into ukubona ukuthi imuphi umfundi osho okuyikho. Buzza imibuzo efana nokuthi: iyiphi into esinda kakhudiwana/ elula kakhudiwana? Yenza abafundi bathole into ekilasini abacaBanga ukuthi iyona esinda kakhudiwana/ noma elula kakhudiwana ukumento abyakalile. Sigine silkhona isikali sokuzimelela nangesiikhathi sokudlala okukhululekile khona abafundi bezozhubeka nokwenza imisebenzi yokulinganisa. Beka isikali sokuzimelela “ekhoneni lendlu” khona abafundi bezobona ukuthi mangaki amabhuloki kaLegu anesisindo esilingana, isbonelelo , nese apula. 	<p>3-D izinto ezinesisindo kanye nesilinganiso esehlukene isib. Amabhuloki kaLegu, amathoyizi, amabhuloki okwakha, amathini, nezitsa njii.</p> <p>Isikali sokuzimelela</p> <p>Ungazakhela esakho isikali:</p> <ul style="list-style-type: none"> Kumele uthole ikhonthenga yeplastiki, Izithsha ezimbili zebhotela noma amabhodliela eplastiki esiphuzzo nentambo. Vula izimbobo ezimbili ziphambane esitsheni noma ebhodleleni Bophela lesositsisha/amabhoodlela ekhonthengeni ngentambo – usunaso isikali Lengisa ikhonthenga esipikilini noma ehukwini sebengaqla ukukala izinto – Batschengisa abafundi ukuthi ikhonthenga kumele ibe sesimeni sokuzimelela macala onke ngaphambu kokukala. 	<p>1 usuku</p> <p>Khetha imisebenzi emibili noma emithathu</p>	

Is onto 29	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwé ikkasi, uthatha imizuzu okungenani engama 30(okungenani ka 5 ngeson)						
Ishloko	Amanothi Acacisayo	Izinsizakufuodisa ezinconyiwe	Isikhathi esilinganisiwe				
1.1 Bala izinto	<ul style="list-style-type: none"> Ukugcizelela ulwazi abaluthole befunda izinombolo oku 1 -7 Okukhulunywayo!: Ukubala izinto sansukuzonke ukuyofika koku 7. Ukubala uya phambili nasemumva ukufika koku 7. <p>Ukugcizelela ulwazi olukhulum “ngokuningi” “nokumbawá”.</p> <p>Shayani izandla zenu izikhathi eziningiIMA</p> <p>Shayani izandla zenu izikhathi kambalwa / kancaneUthisha ushaya izandla ukofika ezikhathi eziyi 7.</p> <p>Buza umbuzo obuza ukuthi uzushaye kaningi / kambalwa.</p> <p>Izinto eziphathekayo zisetshenziswa ukwakha izinto ezi3-D</p> <p>Abantwana abanzo lokhu:</p> <ul style="list-style-type: none"> - Qoqa izinti .Azigcinwe eklasini ukuzisetshenziswa futhi .. - Ukuzetshenziswa kwezinti. Isibonele: ukubhala izimpawu zezinombolo njengo 5 njengoba kubhalwe ngezansi. ! 	Imilolozelo yezinombolo namaculo	Usuku olu -1				
		<p>Abantwana abanzo lokhu:</p> <ul style="list-style-type: none"> - Sebenzisa iqoqo lamakhadi anezinamba ukusuka koku 1 kuya koku 7. - Dweba inamba yezinto ezishwo uthisha ngokumyalelo wenombolo. Isibonele: dweba izindilinga ezimbili. - Bala ngakunye ughubeke usukela enombolweni oyinikiwe . isibonele: uthisha akasho inombolo abafundi baqale kuyo ukubala njengo 3 abafundi ababale baqhubekе basho okune, okuhlanu, njii - Ngesikhathi sekhefu uthisha akabuze ukuthi: Bangaki abafundi abazodla izinkwa ezinsundu? Babbaki abazodla izinkwa ezimhliphe ? ingabe abafundi abaningi badle isinkwa esimhliphe? Isiphi isinkwa esidiwe kakhulu /nakancane? - uthisha ubeka izinto zibe inqwaba phezu keatafula abafundi abqagele /bahlawumbisele ukuthi zingaki bese bezibala kamumva. 	<p>lzithombe namaflashikhadi anamachashaza asuka kweli 1 ukuya kwai 7</p> <p>lzimpawu zezinombolo namagama ezinombolo ezikuma flashikhadi ayizinombolo ezsuka koku 1 kuya 7. Isibinelo:</p> <table border="1" style="display: inline-table;"> <tr> <td>lzithombe sezinti ezi-7</td> <td>7</td> <td>iszkhombisa</td> </tr> </table>	lzithombe sezinti ezi-7	7	iszkhombisa	Iphepha namakhrayoni
lzithombe sezinti ezi-7	7	iszkhombisa					

Isono 29	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwé iklesi, uthatha imizuzu okungenani engama 30(okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsizakufudisa ezinconyiwe	Isikhathi esilinganisiwe
Ishloko	<p>1.3 Izimpawu namagama ezinombolo</p> <ul style="list-style-type: none"> Bona uphawu Iwenombolo negama lenombolo efaka oku 1 kuya koku 7 okukhulunwayo: Ukbala izinto zansukuzonke ukuyofika koku 7. Ukbala uya phambili nasenumvwa ukufika koku 7. <p>Ukugcizelela ulwazi olukhuluma “ngokuningi” “nokumbalwa” .</p> <p>Shayani izandla zenu izikhathi eziningi IMA</p> <p>Shayani izandla zenu izikhathi kambalwa / kancaneUthisha ushaya izandla ukofika ezikhathi eziy 7.</p> <p>Buza umbuzo obuza ukuthi uzushaye kaningi / kambalwa.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Beka inombolo ebhalwe ekhadini ngaphakathi eklasini nomangaphandle endaweni yokudlala. Uthisha ubiza inombolo esendaweni ethile ebizwu “ngenombolo yezwe” abafundi abaphethe izinombolo babizwa ngenkosi nomu ngenkosazana bese bethweswa umqhele owenzwiwe ngekhadibhodi.ebihalwe izinombolo ngokugqamile. Tshela abafundi imiyalelo efana nokuthi: <ul style="list-style-type: none"> Bonke abaqqoke okubomvu abagxumele ku 2. Bonke abafundi abanezinwele ezinde abahambe ngamazonzwane baye koku 6. 	<p>• Bona uphawu Iwenombolo negama lenombolo efaka oku 1 kuya koku 7 okukhulunwayo: Ukbala izinto zansukuzonke ukuyofika koku 7.</p> <p>Amaculo ezinombolo nemilodozelo</p> <p><input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 2</p>	<p>Usuku olu -1</p>	
	<p>Ukusebenzisa izinto ezinezimo ezinhlangothmibili noma izithombe</p> <p>Abafundi abenze lokhu:</p> <ul style="list-style-type: none"> Dweba inombolo enganachashaza ulandela imiyalelo kathisha. Isibonele: dweba amachashazi amabili phinda ngezinombolo ukusuka ku 1 kuya ku 7. Yiba nezinqwaba zezinombolo nezimpawu zazo ezilungisiwe .nika ingane ngayinye ikhadi. Uthisha uphakamisa ikhadi bese eyalela abafundi abanalawo makhadi bawaphakamise <i>Isiphakamiso:</i> nika abafundi ithuba lokwenza abo amakhadi. Diala umdlalo wamakhadi wokuqondanisa inombolo ewphawu neyigama 	 <p>izinombolu ezinkulu ezikumakhadi</p> <p>Imiqhele mayanele bonke abafundi ngamunye abe neyakhe</p>	<p><input type="checkbox"/> Isithombe sezinti ezi-7</p> <p><input type="checkbox"/> 7</p> <p><input type="checkbox"/> Isikhombisa</p>	
			 	

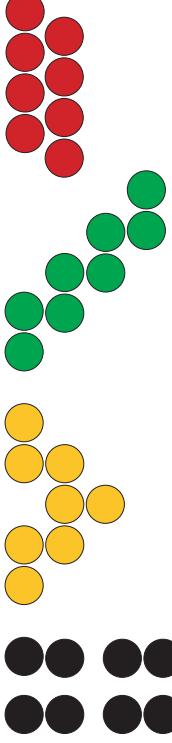
Isono 29	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwé ikkasi, uthatha imizuzu okungenani engama 30(okungenani ka 5 ngesonto)	Amanothi Accasayo	Izinsizakufudisa ezinconyiwe	Isikhathi esilinganisiwe
1.7 Ukuhlanganisa nokususa	<p>• Ukuxazulula izibalo ezihihanganisayo nezisusasyo ezinezimpendulo ezifika koku 7</p> <p>Ukukhulumu: ukubala izinto zansukuzonke ukufika koku 7: Ukubala uya phambili nasemumva ukufika koku 7.</p> <p>Ukugcizelela ulwazi olukhulumu “ngokuningi” “nokumbalwa”.</p> <p>Shayani izandla zenu izikhathi eziningi IMA</p> <p>Shayani izandla zenu izikhathi kambalwa / kancane Uthisha ushaya izandla ukofika ezikhathi eziyi 7.</p> <p>Buza umbuzo obuza ukuthi uzushaye kaningi / kambalwa.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Bheka isonto 24 no 27 ukuthola imiqondo nolwazi. . - Sebenzisa ulwazi onalo nomqondo wakho ukwenza abufundi bazi ngobungako benombolo isi -7 besebebenzisa imizimba yabo. <p>Ukusebenzisa izinto ezinezimo ezinhlangothintathu 3-D noma izithombe</p> <ul style="list-style-type: none"> - Bheka isonto 24 no 7 - Sebenzisa ulwazi onalo nomqondo wakho ukwenza abufundi bazi ngobungako benombolo isi -7 besebebenzisa izinto eziphathekayo ezinhlangothintathu 3-D. 	Amaculo ezinombolo nemilolozelo	Usuku olu -1	

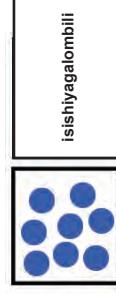
Isono 29	Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelwe ikiasi, uthatha imizuzu okungenani engama 30(okungenani ka 5 ngeson)	Izinsizakufuodisa ezinconyiwe Isikhathi esilinganisiwe
Ishloko	<p>3.1</p> <p>Isikhundla, isimo nokubukeka kuento</p> <p>Ukusebenzisa umzimba</p> <p>Abafundi abahambe belandela izinkomba ezahlukene</p> <ul style="list-style-type: none"> - Abaye emnyango , , - Abaye ewindini , - Ekhoneni elihlala izincwadi njil. <p>Ukusebenzisa Izinto ezinezimo ezinhlangothintathu 3-D</p> <p>Abafundi abenze lokhu:</p> <ul style="list-style-type: none"> - Dweba into evundilie yakha isi 8 ebhodini lokubbala. Qiniseka ukuthi yonke imigqa idlu la phakathi nendawo. Isibonejo: <p style="text-align: center;"></p>	<p>Usuku olu -1</p> <p>Ibhodi lokubbala</p>
Isono 29	<p>Ukusebenzisa imifanekiso noma izithombe izimo ezinhlangothimbili 2-D</p> <p>Abafundi ngabodwana noma ngamaenjana abo benza lokhu</p> <ul style="list-style-type: none"> - Babuka ifleshikhadi banyakazise izingalo zabo ngokweonkomba komcibisholo bebe besho ukuthi babhekekuphi.isibonejo: uma ingalo iya kwenokudla uyasho. - Ukunyakaza uya phezulu naphansi abafundi Bangasebenzisa izingalo zabo. - Isimo inkomba ngomcibisholo eshadini. - Ukonamatisela imidwebo yezinyawo ebonisa umnyango. <p>Ulimi namagama:</p> <p>Phezulu/phansi; ngaphakathi/ngaphandle; ngaphezulu/ngaphansi phambili/ngemumva ngaphezu kwe/ngaphansi kwe; kwelinye icala; ecaleni ellidwa; ngakwesokuda; ngakwesokunxele; njil</p>	<p>Amafashikhadianomcibisholo owoedwa. Phendula ifleshikhadi ibheke ezindaweni nasezinkombeni ezahlukene.</p> <p>Ishadi lemcibisholo (iposta enezinkomba ezibheke ezindaweni ezahlukene.)</p> <p style="text-align: center;"></p>

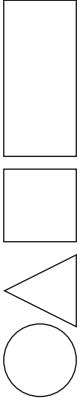
Isonto 29	<p>Isikhathi sokufunda esihakanyisiwe: Umsebenzi kathisha olungiselelewe iklassi, uthatha imizuzu okungenani engama 30(okungenani ka 5 ngesonto)</p>		
Ishloko	<p>Amanothi Acacisayo</p> <ul style="list-style-type: none"> Ukugizelela ulwazi olufundwe esintweni 28olutaka isisindo: Okulula / okusindayo <p>Ukusebenzisa umzimba</p> <p>Abafundi abenze lohku: :</p> <ul style="list-style-type: none"> - Abaqathanise izisindo zeztisha ezintathu kuya kwezinhanu ezifanayo. Isiboneolo(amagremu awu 400 amathini angenalutho) bawafaka isihlabathi esingalingani ukuze izisindo zingafani. - Abeke ngokulandelana uqale kwelilula ukofika kwelisinda kunawo wonke. Abeke esilinganisweni sokuzimelela , lokhu kungenza ukwazi ukubona ukuthi abafundi bakale kahle. - Isincono: Hlola ngokukala ukuthi mangaki amawashela angaliganiso abe nesinindo esilinganayo. <p>Uthisha ubeka izinto ezingesisindo esingafani ezitsheni ezivalekile ezifanayo. Isiboneolo: izitsha zemajarini ezimbili, esisodwa sifakwe ibhulokhi esinye ibhola lethensi.</p> <p>Abafundi abenze lohku:</p> <ul style="list-style-type: none"> - Abezeve umehluko phakathi kwezisindoezimbili bese beqagela ukuthi ikuphi okulula kakhulu nokusinda kakhulu. - Ukuzebensisa isilinganiso sokuzimelela ukuthola isisindo sangempela. - Tshela abafundi bathole izinto eklassini ezinesisindo esilinganayo. <p>Isihlabathi sokudala namanzi okudlala izindawo ezimqoka okumele zisetshenziswe ukugcizelela ulwazi olufana nolimi lokulula/ okusindayo/okusinda isilinganiso sokuzimelela, isihlabathi esimanzni nesomile.</p> <p>Qikelela: hala nafundi uma ukhulumma nioxxa futhi uchaza okuthile.</p>	<p>Izinsizakufubdisa ezinconyiwe</p>	<p>Isikhathi esilinganisiwe</p>
4.3	<p>Isisindo</p>	<p>Amanothi Acacisayo</p> <ul style="list-style-type: none"> Ukugizelela ulwazi olufundwe esintweni 28olutaka isisindo: Okulula / okusindayo <p>Ukusebenzisa umzimba</p> <p>Abafundi abenze lohku: :</p> <ul style="list-style-type: none"> - Abaqathanise izisindo zeztisha ezintathu kuya kwezinhanu ezifanayo. Isiboneolo(amagremu awu 400 amathini angenalutho) bawafaka isihlabathi esingalingani ukuze izisindo zingafani. - Abeke ngokulandelana uqale kwelilula ukofika kwelisinda kunawo wonke. Abeke esilinganisweni sokuzimelela , lokhu kungenza ukwazi ukubona ukuthi abafundi bakale kahle. - Isincono: Hlola ngokukala ukuthi mangaki amawashela angaliganiso abe nesinindo esilinganayo. <p>Uthisha ubeka izinto ezingesisindo esingafani ezitsheni ezivalekile ezifanayo. Isiboneolo: izitsha zemajarini ezimbili, esisodwa sifakwe ibhulokhi esinye ibhola lethensi.</p> <p>Abafundi abenze lohku:</p> <ul style="list-style-type: none"> - Abezeve umehluko phakathi kwezisindoezimbili bese beqagela ukuthi ikuphi okulula kakhulu nokusinda kakhulu. - Ukuzebensisa isilinganiso sokuzimelela ukuthola isisindo sangempela. - Tshela abafundi bathole izinto eklassini ezinesisindo esilinganayo. <p>Isihlabathi sokudala namanzi okudlala izindawo ezimqoka okumele zisetshenziswe ukugcizelela ulwazi olufana nolimi lokulula/ okusindayo/okusinda isilinganiso sokuzimelela, isihlabathi esimanzni nesomile.</p> <p>Qikelela: hala nafundi uma ukhulumma nioxxa futhi uchaza okuthile.</p>	<p>Usuku olu -1</p>

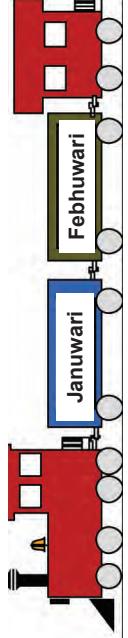
Isono 30 Sebenzisa isonto30 ukubhekelela ulwazi olusele nezindawo zokufunda ezinezinkinga.		
Uwazi	Isihloko	Izinga Lokuhlolola
Izinombolo, izimpawu nobudelwano bazo	1.1 Ukubala izinto	<p>Qagela bese ubala sakuhuba ukufika ku 7 (amaculo ezinombolo nemelolozero ukwandisa ulwazi)</p> <p>Ukubala uya emunva naphambili (1-7)</p> <p>Ukwazi ukuthi ihlombe kuyiphi inimbolo eningi nomu encane.</p> <p>Ukubona izinombolo esimweni esijwayelekile. Isibonelo iminyaka yabo, irejista, njil (uphinde uhole futhi)</p> <p>Ukubona izithombe zezinombolo izithombe namakhadi anamachashaza ukufika enombolweni e ngoku 7.</p> <p>Ukwazi izimpawu zezinombolo oku 5, 6,7</p> <p>Ukubona igama lenombolo okuhlanu, okuyisithupha nokuyisikhombisa</p> <p>Ukuhlukanisa phakathi kokuningi ,okuncane nokulinganayo ukufika kokuyisikhombisa (7)</p> <p>Ukubona imibala nezilwane ezahlukahlukene ezisemalini yamaphepha yaseNingizimu Afrika.</p>
	1.6 amaqhingga okuxazzulula izinkinga	<p>Usebenzisa izinto eziphathekayo.</p> <p>Ukuchaza ukucabanga kwakhe ngamagama nangezithombe nangokwenza imidwebo nangokusebenzisa izinto zokubala eziphathekayo.</p>
	1.7/ 1.13 Ukuhlanganisa nokususa	<p>Ukuxazulula izinkinga zezibalo zokuhlanganisa nezikususa ngokukhulumu ukuyofika kokuyi 7</p> <p>Kopisha , wandise bese akha amaphethini akhe esebeenzisa izithombe.</p>
Amaphethini nokuxhumana	2.1 amaphethini asazibalomdwebo.	<p>Ukwazi isikhundla sezinto ezimbili nangaphezelu esinye kweziye. Isibonelo: ngaphambili, ngemunva,ngaphezulu,kwi, ngaphansi, ngezansi, eduze, njil.</p> <p>Ukwenza imiyalelo esebhodini lamaphekisi</p> <p>Ukwazi izinkomba eshadini lemibisholo</p> <p>Ukwakha kususelwa esibonelweni esinkwi</p> <p>Kopisha okwakhiwe kokudwetsihiwe nama esithombeni ezingamakhadi.. .</p> <p>Ukwakha iphazili okungenani enezingcezu ezyi 18.</p> <p>Ukubona, ukukhomba nokusho izikwele</p> <p>Ukuqonda ukuhambisana kwезимо ezifundiwe kuze kube yimanje (ukugcinwa kwesimo)</p>
Isilinganiso	4.2 Ubude	<p>Qagela bese ulinganisa ubude bezinto ezenlukene</p>
	4.3 Isisindo	<p>Ukuqonda ulwazi oluhambisana nolimi lokulua, okusindayo,okusinda kakhulu, njil</p>
	4.4 Umthamo	<p>Ukuqonda ulwazi oluhambisana nolimi lokungenalutho, okugcwele, okuningi kunoku, okuncane kuno, njil</p>
Ukuqokeliswa kolwazi	5.1Ukuqoqa, uholele izinto.	<p>Ukwazi ukukoqa ,ahlele, adwebe, afunde bese ebhala phansi ulwazi (ahlaziye) izinto ngokuchazwa</p>
	5.2 Xoxa uthule umbiko ngezinto eziqoqiwe zahlewa	
	5.3 Xoxa uthule umbiko ngezinto eziqoqiwe zahlewa	

Isonto 31 Ukujvayenza		Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwe ikilasi , uthatha imizuzu okungnenana engama 30 (okungenani ka 5 ngesonto)	ITHEMU 4 YEBANGA R
Isihloko	Bala izinto	Amanothi Acacisayo	Isikhathi Esilinganisiwe
1.1	<ul style="list-style-type: none"> • Yethula okuchazwa inombolo 8 <p>Ukukhulumu: bala izinto zansukuzoke kufike 8</p> <p>Bala uye phambili ubuye uye emumva kufike koku-8</p> <p>Ukubala bephimisa 1-10</p> <p>Yethula ukubala ngakubili kusetsheenziswa umlolozelo wezinombolo</p> <p>Gcizelela izinombolo zesikhundla: Uthisha upakisha izinto ezi- 4 emigqeni. Khomba into ngayinye uma uyibala <i>okokugala, okwesibili, okwesithathu nokwesine.</i></p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kaninganaIMA</p> <p>Shaya izandla kancanyana. Uthisha usnaye kuze kube kayisi 8.</p> <p>Buza imibuzzo ukuthi izandla zishaywe kaningi/kambalwa.</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Bala amagxathu ayisishiyagalomibili ngesikhathi ujikeleza ngaphakathi ekilasi: - Veza iminwe eyisishiyagalomibili - Yenza abafundi ba: <ul style="list-style-type: none"> - Ukusebenzisa isitebhisi sezinombolo silele phansi - Qikellela ukuthi abafundi baqala ukubala besuka koku -0 - Khomba izimpawu zezinombolo behamba estiebhisi sezinombolo - Bahamba bebala amagabelo phezu kwsitebhisi bebebela belandela isigqi 	<p>Fakela inani lezingoma ngezigqi zokubala.</p> <p><i>kubili, kune, kuyisithupha, kuyisishiyagalomibili Indoda isesangweni.. Ithi isemya kwasikhathi; kubili, kune, kuyisithupha, kuyisishiyagalomibili</i></p> <p>0 1 2 3 4 5 6 7 8</p> <p>Isethi yamakhadi avezwayo yezimpawu zezinombolo 1 kuya 8.</p>	

Isonto 31 Ukuiwayeza Isihloko	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Isethi lezinto 8 ezitholakala ekilasini Izinto ezisetsheselwa ukubala	Isikhathi Esilinganisiwe Usuku olu-1			
1.3 Izimpawu namagama ezinombolo	<ul style="list-style-type: none"> Bona izimpawu zezinombolo,Kanye namagama ezinombolo <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Bala izinto ezisekilasini ufake izinombolo 1 kuya 8 - Bala izinto zokubala kufike koku- 8 <p>Thuthukisa ukuqaphela kokulondolozwa kwezinombolo ngokwenza abafundi bapakishe izinto zokubala ngezindleta ezahlukene isib..</p>		<p>8 izinto zokubalanoma 8 izinto nje</p> <p>Amakhadi avezwayo anezimpawu zezinombolo, nezinombolo magama, amachashazi kanye nezithombe isib.</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 2px;">Isithombe sezinto ezi-8</td> <td style="padding: 2px;">8</td> <td style="padding: 2px;">Isithiyaga- lombili</td> </tr> </table>	Isithombe sezinto ezi-8	8	Isithiyaga- lombili	
Isithombe sezinto ezi-8	8	Isithiyaga- lombili					

Isonto 31 Ukuiwayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Isihloko	<p>1.4</p> <p>Chaza, qhathanisa bese uhlela izinombolo</p> <p>• Sebenzisa inombolo isi-8 esimweni esejiwayelekile.</p> <p>Ukukhulumu: bala izinto zansukuzoke kufike 8 Bala uye phambili ubuye uye emumva kufike koku-8 Ukubala bephimisa 1-10</p> <p>Gcizelela ukubala ngakubili usebenzisa imilolozelo yezinombolo</p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kaminganaIMA</p> <p>Shaya izandla kancanyana. Uthisha ushaye kuze kube kayisi 8. Buza imibuzzo ukuthi izandla zishaywe kaningi/kambalwa.</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Benza inombolo isi-8 ngeminwe yabo - Bakha inombolo-8 ngesinqamu sentambo/ iwulu - Babhala uphawu lwenombolo esihlabathini - Babeka amakhadi amakhulu anophawu lwezinombolo ngokulandelana kwazzo kufike ku-8 <p>Sebenzisa umqondo ojulile 3-D wezimo zezinto ezingantathu.</p> <p>Uthisha uzonikeza umfundi ngamunye obhontshisi abayi- 8, namafleshikhadi anamachashazi ayi-8</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bapakishe ubhontshisi kudothi yefeshi khadi - Bala obhontshisi - Xhumanisa khadi lamachashazi ekhadini lenombolo magama nezinto zokubala. 	<p>Amaculo nemilolozelo ezinombolo</p> <p>Amaculo nemilolozelo ezinombolo</p> <p>Intambo /iwulu noma inhlama kanye thileyi elinosimende.</p> <p>Inani ilkalelw izinto ezithile zokubumba amakhadi</p> <p>8 amabontshisi omfundu ngamuye.</p> <p>Ifleshi khadi elionqi. Igama ifleshi khadi nokubalayo.</p> 	<p>Usuku olu-1</p>	

Isonto 31 Ukujwayeza Isihloko	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 izimo ezinhlangothi mbili (2-D)	<p>Bona , ukhombe izimo ezi-2-D ekilasini nasezhithombeni.</p> <ul style="list-style-type: none"> - Unxande. • Yethula unxande <p>Sebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benze izimo ngemizimba yabo isib. Uhela izimo zemizimba yakhona isib abafundi aba-6 behlela unxande ngemizimba yabo - Benza onxande besenzisa iminwe yabo. - Bakha unxande ngesinqamu sewulu noma ubumba. - Hamba ngaphandle kwestimo esingunxande. Ngesikhathi behamba basho bathi “nghimba eduze kukanxande- uhangothi olude, olunye olufishane, nolunye olude, nolunye olufishane” - Bezwa izimo. Sebenzisa izimo ezinkulu noma izimo eziningi esikhwameni sokuzwa izimo “feely bag” thola isethi yamakhadi afanayo adwetshiwe izimo. Abafundi bayezwa izimo esikhwameni bese beqhatanisa namakhadi ezimo. - Dweba onxande emoyeni.phansi emhlabathini (ngoshoki),ekugcineni babhale ephepheni. 	<p>Iwulu noma ubumba</p> <p>Isikhwama sokuzwa “Feely bag” esinezimo ezahlukene isethi yamakhjadi okuqondanisa izimo ezidwetshiwe nephepha elingu- A4 nekhirayoni</p>	<p>Izinto ezingonxande ekilasini Zonke izimo ezifundisiwe kuze kube manje: Izinhlonhlobo zezithombe ezinezimo kuzona</p> 	
	<p>Hlela izinto eziphathekayo ezi-3-D nezimo ezi-2-D ngobungako, umbala, nezimo Yenza abafundi bafuna izinto ezingonxande ekilasini.</p> <p>Ukusebenzisa izimo noma izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Khomba izimo ezingonxande ezithombeni - Khomba zonke izimo esezifundisiwe kuze kube manje <p>Hlela izinto ezi 3-D nezimo ezi2-D ngobungako , nombala, nangezimo.</p> <ul style="list-style-type: none"> - Hlela izinto eziqoqelwe ndawonye ngobungako, umbala, nangezimo 			

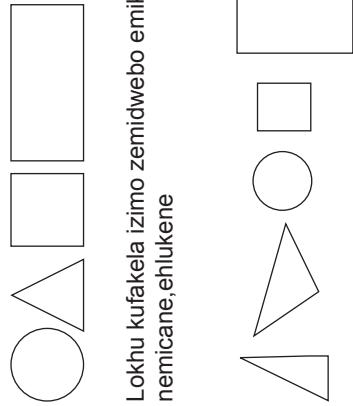
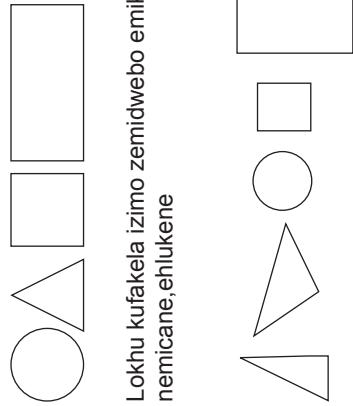
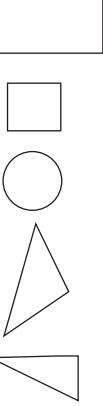
Isono 31 Ukujwayeza Isihloko	Izhkhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe																																										
5.1 Qoqa bese uhlela izinto	<ul style="list-style-type: none"> Gcizelela ukupokelelwa kolwazi endaweni nomu ekilasini ngokulandela izimpawu ezinkikiwe isib. Izinsuku zokuzalwa kwabafundi. <p>Sebenzisa izinto eziphathekayo ezi- 3-D Qoqa uphinde uhlile ulwazi</p> <ul style="list-style-type: none"> Sebanzisa amashadi ezinsuku zokuzalwa, ukubona ukuthi obani abazelwe kuyiphi inyanga. Abafundi bazolekelela ngokwenza igrafu ukubona ukuthi iyiphi inyanga okuvela kuyo izinsuku zokuzalwa ezinungi. Uthisha udweba igrafu enzinyanya ezi-12 zonyaka Ngosizo lukathisha abafundi babeka izimpawu ezimele usuku lokuzalwa komfundu ngamunye 	 	Ishadi lezinsuku zokuzalwa																																											
5.2 Okumele izinto eziqoqiwe	<ul style="list-style-type: none"> Abafundi bayoqhathanisa izinhombolo zebhala isamba sezinsuku zokuzalwa zenyangangayinye Abafundi bayoqhathanisa izinhombolo zezinsuku zokuzalwa ezahlukene. <p>Uthisha ubuza imbuizo enjenga le:</p> <ul style="list-style-type: none"> Yiyiphi inyanga enezinsuku eziningi zokuzalwa? Yiyiphi inyanga enezinsuku ezincane zokuzalwa? Yiyiphi inyanga enezinsuku ezilinganayo zokuzalwa? Yiziphi izinyanga ezinabantombazane agubube izinsuku zabo zokuzalwa? <p>Abafundi bayokhulumu bavumelane ngalezizinqumo ezilandelayo</p> <ul style="list-style-type: none"> u. Janawari unezinsuku eziningi zokuzalwa , abafundi abane abagubha izinsuku zokuzalwa kwabo ngojanuwaru Azikho izinsuku zokuzalwa ngomashi. Kunenyanga eyodwa okungazalwanga mfundi ngayo. Ezinye izinyanga zinenani eilinganayo labantu abazalwayo njil.. yiziphi lezonyanya? 	<table border="1"> <thead> <tr> <th>Jan</th><th>Feb</th><th>Mash</th><th>Epreli</th><th>Meyi</th><th>Juni</th><th>Julayi</th></tr> </thead> <tbody> <tr> <td>Sipho</td><td>David</td><td></td><td>Nelson</td><td>Kabelo</td><td>Seliina</td><td>Thabo</td></tr> <tr> <td>Martha</td><td>Bongi</td><td></td><td>Jacob</td><td>Pat</td><td>Liz</td><td>Jane</td></tr> <tr> <td>Helen</td><td>Claire</td><td></td><td>Tim</td><td>Thandi</td><td>Titus</td><td></td></tr> <tr> <td>Dolly</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>4</td><td>3</td><td>0</td><td></td><td>3</td><td>3</td><td>2</td></tr> </tbody> </table>	Jan	Feb	Mash	Epreli	Meyi	Juni	Julayi	Sipho	David		Nelson	Kabelo	Seliina	Thabo	Martha	Bongi		Jacob	Pat	Liz	Jane	Helen	Claire		Tim	Thandi	Titus		Dolly							4	3	0		3	3	2	Ikhadi elinegama lomfundu kulo. Dweba amakhalamu ayi-12 ephepheni elikhulu. Khombisa ngekhadi legama ukuthi iziphi zinyanga zabafundi abazalwa ngazo sebenzisa ± 3 amaphepha ka A2 ngamakhalamu ayi 12 edwetsihiwe.	
Jan	Feb	Mash	Epreli	Meyi	Juni	Julayi																																								
Sipho	David		Nelson	Kabelo	Seliina	Thabo																																								
Martha	Bongi		Jacob	Pat	Liz	Jane																																								
Helen	Claire		Tim	Thandi	Titus																																									
Dolly																																														
4	3	0		3	3	2																																								

Isonto 32 Ukujwayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>1.1 Bala izinto</p> <ul style="list-style-type: none"> • Gcizelela ulwazi oluthole ngesonto lama -31 olufaka inombolo-8. <p>Ukukhuluma: bala zoke izinto uze ufike 8</p> <p>Bala uye phambili nomu uye emumva kufike koku- 8</p> <p>Ukubala bephimisa 1-10</p> <p>Gcizelela ukubala ngakubili usebenzia umlolozelo wezinombolo</p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kaninganaIMA</p> <p>Shaya izandla kancanyana. Uthisha usnaye kuze kube kayisi 8.</p> <p>Buza imibuzo ukuthi izandla zishaywe kaningi/kambalwa.</p> <p>Ukusebenzia umnzimba</p> <p>Asidaleni:</p> <ul style="list-style-type: none"> - Uthisha udala izinsimbi zomculo isib. isigubhu. - Abafundi benza umnyakazo - Uma isigubhu sima, uthisha ubiza izinombolo eziphakathi koku1 noku 8 bese abafundi bezihlela babe ngamaqoqo amancane isib. Uthisha ubiza i-8 bese abafundi bezihela babe ngamaqoqo esi 8. - Veza iminwe eyi 8 ngezandla zombili. - Yakha amasethi. Dweba izindiliinga ezinkulu esihlabathini, bese wenza abafundi benze amaqoqo ayi-8 phakathi endilingeni, iqoqo labafundi abayi-8 bengenza imisebenzi ethile bendawonde osukwini isib. Badlata ekhoneni lamabholoki, baye nasendaweni yokwenza ubuciko 	<p>Nikeza inani lezingoma nezgqi</p> <p>Usuku olu-1</p> <p>Intambo /ye volo noma inhlama kanye thileyi elinosimende.</p> <p>Inani ilkalelwie izinto ezithile zokubumba amakhadi</p> <p>8 amabbontshisi omfundi ngamuye. fleshi khadi elinonqi. Igama ifleshi khadi nokubalayo.</p>		

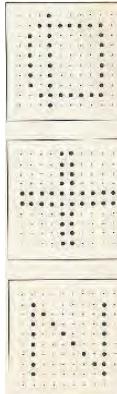
Isonto 32 Ukujwayeza	Izikhati Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Ishloko	Bala izinto Yenza abafundi ba: - Sebenzisa izinto zokubala isimo ukuthi yiyiphi inombolo eza ngaphambili koku 8 iphindé futhi ize emuva 5? Yiyiphi inombolo ephakathi 6 no 8? - Bala izinto ngakubili <input type="radio"/> izicathulo <input type="radio"/> amasokisi <input type="radio"/> amehlo <input type="radio"/> amacici <input type="radio"/> izindlebe <input type="radio"/> imilenze	Ukusebenzisa izinto eziphathetekayo ezi 3-D isigubhu izinto zokubala izicathulo, amasokisi kanye namacici	Ukusebenzisa izimo nomu izithombe ezinhlangothi mibili 2-D Amakhadi anezinombolo zocingo namakheli	 Ukusebenzisa izimo nomu izithombe ezinhlangothi mibili 2-D - Uma ngabe utlisha emaka irejista, utlisha uyabuza: "kukhona umfundi onenombolo yomuzi nomu ikheli la?" Umfundi uphendula ngokuthi ukhona lapha - Phinda ngosuku olulandelayo asebenzise izinombolo zocingo nomu zamakhalekhukhwini.

Isonto 32 Ukuiwayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko 1.7 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> • Xaxulula izinkinga zezibalo zamagama (izibalo zengxoxo) ezifaka inombolo 8 <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha usiza abafundi ukwenza amaqembu ka 6 namanye amaqembu abafundi. - Hlanganisa amaqembu womabili wenze iqembu eillodwa. - Buza abafundi ukuthi Bangakhi abafundi sebebonke kumaqembu eseolangene? - 6 no 2 □ 8 (uthisha uthi 6 no 2 kwenza 8 - Iqoqo labafundi aba -8 ndawonye. Thatha abafundi aba-3 ubahlukanise wenze iqembu elincane. Ngakho Bangakhi abafundi abasele egenjini elikhulu? 8 susa 3 □ 5 - Khetha abafundi ababili usebenzissa umlolozelo wokubala - Beka izinti zokubala ezi 4 esandleni somfundi oyedwa nezinye izinti ezi 4 esandleni sonunye umfundi zingaki izinti zokubala uma sezisonke? 4 no 4 □ 8 <p>Ukusebenzisa izinto ezi3-D.</p> <p>Nikeza umfundi ngamunye izinti zokubala ezi-8</p> <ul style="list-style-type: none"> - UTshidi unezinto zokubala ezi-6 umngani wakhe unezi- 2. Zingaki izinti zokubala zizonke? 6 no 2 □ 8 - UBonga unezinto zokubala ezi- 8. Walahlekewla ezi 2. Zingaki izinti zokubala sezisonke? 8 susa 2 □ 6 <p>Ukusebenzisa izinto ezi3-D</p> <ul style="list-style-type: none"> - Uthisha ubeka izithombe ezi-2 ebhodini leflanelia. Ungeza ngezinye izithombe ezi 5. Zingakhi izithombe sezizonke manje? 2 noku 5 □ 7 - Beka izimo ezi 8 ezahlukene ebhodini le flanelia. Thatha ususe oku-5. Zingaki izithombe ezisele? 8 susa 5 □ 3 	<p>Amaqembu abafundi</p> <p>Izinti zokubala</p> <p>Umlolozelo yokubala</p> <p>Izinti zokubala</p> <p>Umlolozelo: 1,2,3,4,5 ngamzukwane njibamba ufishi uphila 6,7,8,9,10 ngayiyeka yahamba futhi Izithombe nebhodi yefanelia</p>	<p>Usuku olu-1</p>	

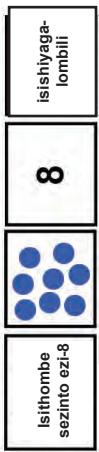
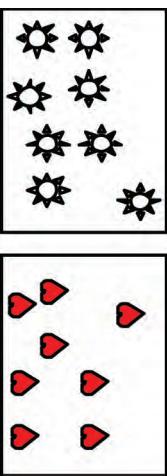
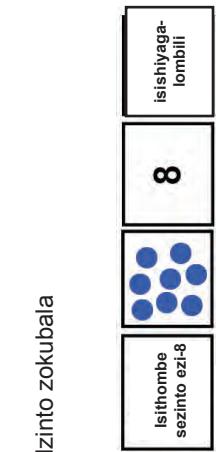
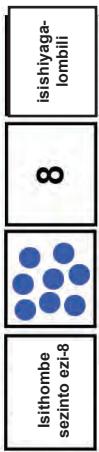
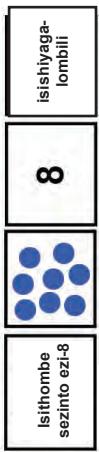
Isonto 32 Ukujivayeza Ishloko	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Accisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
2.1 Amaphethini asazibalo mdwebo	<ul style="list-style-type: none"> Kopisha wandise amaphethini alalelwayo <p>Ukusebenzisa izitho zomzimba Abafundu banyakakaza isigqi somculo isib. - Isitebhlu, isitebhlu, kheleza, kheleza.... - Gxuma ngonyawo olulodwa, gxuma ngonyawo olulodwa, gxuma ngezinyawo zombili </p> <p>Ukusebenzisa izinto ez3-D Hlanganisa nesifundo sobucko bokwenza esifundweni samakhno empilo Abafundu banyakakaza belandela isigqismculo ngezzandla zabo, bethinta amathanga abo isib. - Ihlombe, ihlombe, gxoba, gxoba, (beshaya izandla, babuye bezishaya emathangeni) - Uthisha wenza amakhadi esigqi abafundi bephindaphinda ngokushaya izandla nesigqi (besebenzisa izandla bezishaya, kanye nezinyawo begidajida) isib.</p>	<p>I -CD Yokudlala umculo.</p>	<p>Izuku olu-1</p>	

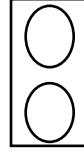
Isonto 32 Ukuiwayeza Ishloko	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 Izimo ezinhlangothi mbili (2-D)	<p>Bona, khomba bese uchaza izimo ezinhlangothi mbili 2-D ekilasini</p> <ul style="list-style-type: none"> Gcizelela ulwazi lwasimo unxande <p>Sebenzisa izitho zomzimba:</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benze / bakhe izimo ngemizimba yabo, isib. 4 abafundi benze unxande ngemizimba yabo. - Benze inxande besebenzisa iminwe yabo - Benze inxande besebenzisa zikamentshisi ezi-6  <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benze / bakhe izimo ngemizimba yabo, isib. 4 abafundi benze unxande ngemizimba yabo. - Benze inxande besebenzisa iminwe yabo - Benze inxande besebenzisa zikamentshisi ezi-6 <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benze / bakhe inxande besebenzisa izinqamu zenttambo noma ubumba - Bahambe ngaphandle komphetho wesimo esinxande - Bathinte izimo ezahlukene, ezifakwe esikhawameni sokuzwa izimo ezahlukene "feely bag" - Bathole isethi lamakhadi afananayo nezimo ezidwetshiwe kuwo. Umfundu uyothinta isimo ngasinye abuye asiqondanise nekhadi. - Dweba inxandu emoyeni , esihlabathini, phansi agcine ephepheni  <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Benze / bakhe inxande besebenzisa izinqamu zenttambo noma ubumba - Bahambe ngaphandle komphetho wesimo esinxande - Bathinte izimo ezahlukene, ezifakwe esikhawameni sokuzwa izimo ezahlukene "feely bag" - Bathole isethi lamakhadi afananayo nezimo ezidwetshiwe kuwo. Umfundu uyothinta isimo ngasinye abuye asiqondanise nekhadi. - Dweba inxandu emoyeni , esihlabathini, phansi agcine ephepheni 	<p>Umdhalo wamakhadi lona othuthukisa ukwaziwa kwezimo Izinti zikamentshisi Isethi lamakhadi okuqondanisa Iphepha elingu A4 nekhirayoni Iwuli. Ubumba, Isikhwama sokuzwa izimo esinezimo ezahlukene "feely bag"</p>  <p>Lokhu kufakela izimo zemidwewebo emikkulu nemicane,ehlukene</p>  <p>Isethi lamakhadi okuqondanisa Iphepha elingu- A4 nekhirayoni</p>	<p>Umsuku olu-1</p>	

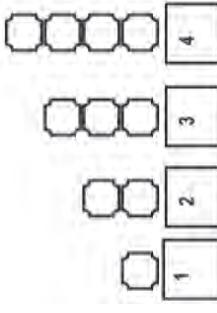
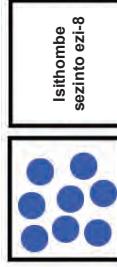
Isonto 32 Ukujivayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 Izimo ezinhlangothi mbili (2-D)	Ukusebenzisa izinto ezi3-D Dlala umdlalo: “yikuphi okungekho?” - Yenza a abafundi babheke izinto ezingonxande ekilasini - Beka inombolo yezimo eri 2-D ephepheni phakathi nendawo nokhaphethi isib. Izimo ezsuselwa “ku Logi S” umdlalo - Khulumani ngesimo ngasinye nabafundi. - Nkeza abafundi ithuba lokucabanga ngezimo ezihlukene ngokwenza ephepheni. - Abafundi bayale amehlo - uthisha asuse isimo esisodwa - abafundi bafanele bavule amehlo abo babone ukuthi yisiphi isimo esingasekho - Phinda lendlela - Khuthaza ukuthuthuka kwezimo ezsazibalo mdwebo, ngokubanika izinhlobonhlobo zenidalo yamakhadi efana ne (yikuphi okusesikweleni?) nomu eminye imdlalo ekhona.		Izinto ezwunxande ekilasini	Izinhlobonhlobo zezimo isib. isimo esi Logi

Isono 32 Ukujwayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe ikilasi , utthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>3.1</p> <p>Isikhundla, isimo nokubukeka kwensto</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bame phakathi kwezinto ezi 2 nomu abafundi aba 2 - Bame eduze kwentombazane energubo eluhlaza - Bame eduze komfana ofake izingxabulela ezinsundu - Bahambe phakathi kwannahbhokisi - Bagaqe bazungeze itafula - Bagaqe ngaphansi kwetafula - Babeke isitulo phambi kwakho - Babeke isitulo emva kwakho - Bame esitulweni sabo - Bahale phansi - Babeke isitulo phezu kwabo - Babeke isitulo eduze kwabo - Babeke isitulo kwesobunxele/kwesokudla <p>Ukusebenzia izinto eziphathekayo ezi 3-D</p> <ul style="list-style-type: none"> - Yenza abafundi baqedele iphazile enezithombe zabantu nomu izilwane - Tshutsha ubuhlalu ngemiyalelo kathisha isib. Tshutsha ubuhlalu obubomvu sese ufaka obuluhlaza eduze kobubomvu njil - Tshutsha ubuhlalu ngokulandelana kwezithombe ezinkwiwe <p>Sebenza ngama qembu amancane. utthisha unikeza umfundu ngamunye ibhodi lamaphekisi nesandla ezigcwiele amaphekisi</p> <ul style="list-style-type: none"> - Nikeza imiyalelo elandelayo: - Beka amaphekisi amabili phezulu ngasesandleni sokunxele - Beka iphekisi eiliodwa elluhlaza ngasesandleni sokudla sephekisi elibomvu - Beka iphekisi elluhlaza okwebhakkabhatta ngaphansi kwepehokisi elluhlaza njil. <p>Ukusebenzia izimo nomu izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Dweba abantu nomu izilwane okungenazingalo okungenamilenze bese ucela abafundi ukuthi beqedele lomdwabo. 	<p>Izitulo 2</p>		<p>Usuku olu-1</p>

Isono 33 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngeson)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ulwazi olufundwe ngesonto 31 ne 32 olufaka izinombolo 1kuya 8 <p>Ukukhulumu: bala zoke izinto uze ufike 8</p> <p>Bala uye phambili nomu uye emumva kufike koku- 8</p> <p>Ukubala bephimisa 1-10</p> <p>Gcizelela ukubala ngakubili usebenzisa umlolozelo wezinombolo</p> <p>Gcizelela izinombolo zesikhundla: Uthisa upakisha izinto ezi-8 emigkeni. Khonomba into ngayinye uma uyibala <i>okokucala, okwesibili, okwesithathu okwesine, nokwesihanu</i></p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kaninganaIMA</p> <p>Shaya izandla kancanyana. Uthisha ushaye kuze kube kayisi 8.</p> <p>Buza inibuzo ukuthi izandla zishaywe kaningi/kambalwa.</p>	<p>Imilolozelo yezinombolo namaculo</p>		Usuku olu-1

Isonto 33 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.3 Izimpawu namagama ezinombolo	Bona bese uchaze izimpawu namagama ezinombolo okuraka izinombolo 1 kuya-8 Ukusebenzisa izimo nomu izithombe ezinhlangothi mbili 2-D <ul style="list-style-type: none"> - Qondanisa izimpawu zezinombolo nesithombe esifanele - Umfundsi kufanele aqonde ukuthi iqoqo lezinto lingaba nezinto ezinenani elifanayo 	   <p>Izinto zokubala</p>	 <p>Izithombe sezinto ezi-8</p>	 <p>isishiyaga-lombili</p>

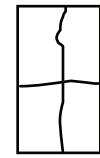
Isonto 33 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwie iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>1.4 Chaza, qhathanisa bese uhllea izinombolo</p> <ul style="list-style-type: none"> Hlela bese uya qhathanisa izinto usebenzise (okungaphezulu/okungaphansi) Kanye “nokulinganayo”Kufike Koku-8 <p>Ukukhulumu: bala zonke izinto uze ufile 8</p> <p>Bala uye phambii noma uye emumva kufike koku- 8</p> <p>Ukubala bephimisa 1-10</p> <p>Gcizelela ukubala ngakubili usebenzisa umlolozelo wezinombolo</p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kaningana. Uthisha ushaye kuze kuge kayisi 8.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Uthisha ubeka amabhuholi ayi 8 etafuleneni. Ngaphandle kokubala abafundi, kufanele baqagele inani lamabhuholi Uthisha uyabuza lokhu: <ul style="list-style-type: none"> “Ngabe kunamabhuholi ama- 3”? Abafundi babuka izimpendulo zabo ngokubala amabhuholi “ukuqagela kwakho kusondele kangakanani”? <p>Sebenzisa izinto eziphathekayo ezi-3-D</p> <ul style="list-style-type: none"> Akha iqembu labafundi abane. Nikeza iqembu ngalinye izinto zokubala ezi-8 nephepha ellinezindilina ezinkulu ezidwetshiwe. Biza izindilinga ngesidleke. Ngokwemiyalelo Kathisha abafundi babeka izinto zokubala esidlekeni esisodwa basho ukuthi zingaki. Abaafundi baqathanisa “izidleke” , besho nokuthi yisiphi isidleke “esinokuningi” kunokunye ”, “okuncane kunokunye” kanye “nekulinganayo” noma “inani lezinto zokubala 	<p>Imololozelo namaculo ezinombolo</p> <p>amabhuholi</p> <p>izinto zokubala</p> <p>Iphepha -A4 elinezidleke ezimbili ezidwetshiwe kulo</p> 	Usuku olu-1	

Isonto 33 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe
1.4 Chaza, qhathanisa bese uhllea izinombolo	<p>Hlukanisa abafundi ngamaqembu</p> <ul style="list-style-type: none"> - Nikeza iqembu ngalinye amakhiyubhu amaningi nesethi yamakhadi ezimpawu zezinombolo 1-8 - Yenza amaqembu akhe imbihoshongo, babhale umbhoshongo ngamunye inombolo yamakhubhu ewakhile.isib.  <p>Ukusebenzisa izimo noma izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Uthisha ubakhombisa amakhadi amabili amezinombolo ezehlukene zamachashaza nezithombe kuzo. - Yenza abafundi baqhathnise amakhadi nezithombe namachashaza bese bekhomba “okuningi kunokunye” , “okuncane kunokunye” “nokulinganayo” 	<p>Amakhubhu Amakhadi ezimpawu zezinombolo 1-8</p> <p>Amakhadi avezwayo anamachashazi nezithombe</p>  <p>Ukulu izinkinga ezichaziwe zebalo zokuhlanganisa nokususa kufike-8</p> <ul style="list-style-type: none"> • Xazululu izinkinga ezichaziwe zebalo zokuhlanganisa nokususa kufike-8 <p>Ukuhlanganisa nokususa</p> <p>Bala zonke izinto uze ufile 8</p> <p>Bala uye phambili noma uye emumva kufike koku- 8</p> <p>Ukubala bephimisa 1-10</p> <p>Gcizelela ulwazi “ okuningi kanye nokumbalwa”</p> <p>Shaya izandla kamingana . . .IMA</p> <p>Shaya izandla kancanyana. Uthisha ushaye kuze kuge kayisi 8.</p> <p>Buza umbuzo iyiphi inombolo yokushaya ebe ningi/ncae.</p>
1.13		Usuku olu-1

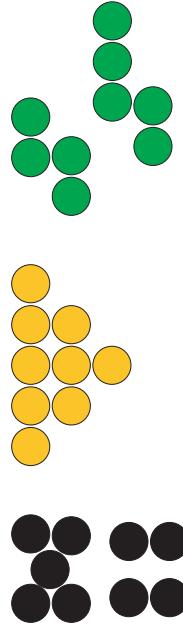
Isonto 33 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwie iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.13 Ukuhlanganisa nokususa Ishloko	<p>Ukusebenza komzimba</p> <p>Izibonelo:</p> <ol style="list-style-type: none"> Uthisha ubiza abafundi aba-3 ngaphambili. Abafundi bababale. Uthisha ubiza abanye abafundi ababili aba-2 aphinde abuze: "Bangaki abafundi sebebonke"? 3 no-2□5. (uthisha uthi; 3 no2 kwenza 5) Uthisha upakisha izitulo ezi-2. Angeze ezi-2 ngaphezulu. Zingakhi izitulo manje? 2 no 2□4 Uthisha uphakamisa isandla esisodwa.. Athi; (bala iminwe yami uma ngifihla isithupha sami mingaki iminwe oyibonayo)? 5 susa 1□4 Yenza abafundi benzene okwenziwe uthisha. <p>Sebenzisa izinto eziphathekayo ezi-3-D</p> <p>Yenza abafundi bapakishe izinto zokubala ezi- 6 bese benzene lokhu okulandelayo.</p> <ul style="list-style-type: none"> Uthisha unikeza umfundu ngamunye izinto zokubala eziy 6. Uthisha unikeza umyalelo abafundi benzene isib. Pakisha izinto zokubala ezi- 3. Kungaki sekukonke 2 no 3□5 Bala izinto zokubala ezi-4. Bala uqhubekе ngooku - 2 kokune. Kungaki osunakho manje? 4 no 2□6 Bala bonke ubuhluu onaboo. Uma umboza ubuhluu obubili ngesandla, bungakhi obubonayo? 6 susa 2□4 <p>Sebenzisa izimo nezithombe ezi-2- D</p> <p>Yenza amaphazili ngezinombolo uvumela abafundi basebenze ngephazili.</p>  <p>Amaphazili ezinombolo</p>			

Isono 33 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
Ishloko	<p>3.3 Izimo izinho langothi mbili (2-D)</p> <p>Bona, khomba bese uchaza izimo ezinho langothi mbili ezithombe</p> <p>Ukwakha isithombe enqondweni</p> <ul style="list-style-type: none"> Bona izingxenye kokuphele <p>Ukusebenzisa umzimba</p> <p>Uthisha uchaza into abuze abafundi ukuthi iyini isib.</p> <ul style="list-style-type: none"> - Ngicabanga into enombala obomvu, enamasondo amane, iminyango emine namafasitela avulekayo enze umsindo othi "wroom" lomsebenzi ungenziwa ngamaqembu uphenduke umcintiswano- igembu ellodwa lizochaza, elinye iqembu lizoqagela ukuthi yini leyonto. - Chaza umuntu uphinde ubuze abafundi ukukhomba lowomuntu <p>Sebenzisa izimo nezithombe ezi- 2-D</p> <ul style="list-style-type: none"> - khombisa umfundi isithombe umenze asibuke. Emuva kwalokho sisuse ucele umfundi ukuthi asichazekonke akukhumbulayo ngaso. - Thatha isithombe esisodwa usisike izicucu. Thatha lezozicucu zesithombe uzifake ebhokisini bese ucela abafundi ukuba izingxenye ezingekho zesithombe, abasicoshile. - Dweba isithombe esingaphelele ephepheni ucele abafundi ukuthi basiqedele 	<p>Usuku olu -1</p>  	<p>Noma yisiphi isithombe</p> <p>Izithombe nezicucu ezisikiwe</p>	

Isonto 33 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwé ikilasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonto)	Isikhathi Esilinganisiwe
Ishloko	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe
3.4 Okufana nse nxa zombili	<ul style="list-style-type: none"> Thuthukisa ukucaphela ukuthi umzimba womuntu umohlangothi l'wesokudia nesokunxele anyakaza ngokuzimela <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Faka isihliliingi eshihakaleni somfundi ngamunye esandleni sokudia Cula iculo lomnyakazo “ngifaka unyawo l'wesinxele phakathi” Yenza abafundi: Babeke izandla zabo zokudla emakhanda Bathinta amadollo esinxele ngezindololwano zabo zangakwesokudla Bathinta amahlombe anga kwesokudla ngezzandla zabo zesinxele <p>Sebenzisa izinto eziphathekayo ezi- 3-D</p> <p>Nikeza umfundi ngamuye anabhuloki okwakha</p> <p>Yenza abafundi bahlale kukhapheithi:</p> <ul style="list-style-type: none"> Beka ibhuloki ohlangothini l'wabo l'wesokudla / nakwesokunxele Ehlombe langakwesokunxele/ langakwesokudla Edolweni langakwesokunxele/ nelangakwesokudla Onyaweni langakwesokunxele/ nelangakwesokudla njil. <p>3.1 isikhundla,indawo nokubukeka kwayo</p> <ul style="list-style-type: none"> Umfundi ngamunye uthola iphepha nekhilayoni. - yenza abafundi ukuthi badwebe phakathi nephhepa kusukela phezelu ukuya phansi,nomunye umugqa maphakthi usuka kwesokunxele uya kwesokudla. - Uthisha uyonkeza umyalelo <ul style="list-style-type: none"> ○ Beka umunwe wakho emaphakathini nesiphambano. ○ Dweba indilinga ebhulokini elingenhla kwesokunxele ○ Dweba uxantathu ebhulokini elingezaensi kwesokudla ○ Dweba isikwele ebhulokini elingenhla kwesokudla ○ Dweba uxande ebhulokini elingezaensi kwesokunxele - Xoxa ngesithombe sephosta. Abafundi baphendule imibuzzo ebenza bakwazi ukuchaza (ngaphandle kokukhom bisa) isikhundla sento. 	Usuku olu -1

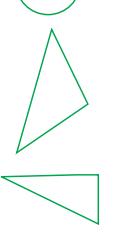
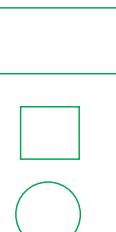


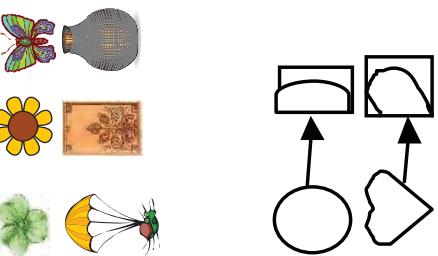
Isonto 34 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Yethula ukuchazwa kwenombolo isi-9 Ukukhulumwa: bala zoke izinto uze ufike koku-9 Bala uye phambili noma uye emuva zoke izinto uze ufike koku-9 Ukubala bephimisa 1-10 <p>Gcizelela izinombolo zesikhundla: othisa bepakisha izinto ezi-6 ngemigqa. Khomba into ngayinye uma uyibala okokuqa/a, okwesibili, okwesithathu nokwesine. okwesihlanu nokwesithupha</p> <p>Gcizelela ulwazi “ okuningi nokumbalwa ” Shaya izandla kahinganaIMA Shaya izandla kambalwa. Uthisha ushayay kuze kufike koku-9. Buza imibuzo ukuthi izandla uzishayay okuning/okumbalwa</p> <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Babale kufike koku- 9 bekuphuka izitebhisi... - Badwebe inombolo -9 esihlabathini/phansi bahambe phezu kwayo. - Shaya izandla ka-9 . - Ukubona izinombolo 1 kuya-9 ngesethi yezimpawu zezinombolo ezinkulu - Sebenzisa noma ngabe yikuphi okucabangayo okungenza abafundi bathole okuchazwa inombolo 9 ngemizimba yabo. 	Imilolozelo nomcullo wezinombolo	Izinsuku 2	

Isonto 34 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe Inombolo yesitebhisi	Isikhathi Esilinganisiwe
Ishloko	1.6 Amasu okuxazulula izinkinga	Ukusebenzisa izinto eziphathekayo ezi3-D Uthisha wakha umugqa wezzinombolo noma isitebhisi phansi <ul style="list-style-type: none"> - Ouhisha unika umyalelo othi ; - Njalo IMA ku-0 nomu qala ku-0 - Njalo bala uma unyakaza - Nyakaza uya kunombolo-5.Ubuye uye kunombolo-2. Unyakaze uye phambili uya kunombolo -8. - Nyakaza uye kunombolo-8 uqhubeku unyakaze ka-1. Nyakaza ka-2 uye emumva - Ubani oza emumva kuka-3 ? - Ubani oza ngaphambi kuka-7? - Thuthukisa ukucaphela ukugcinwa kwezinombolo ngokwenza abafundi bapakishe izinto zokubala ezyisishiyagalolunye ngezindela ezechukene isb. 	Izinsiza inombolo 9 esimweni esijwayelekile <ul style="list-style-type: none"> - Yenza abafundi - Qondanisa amakhadi ezithombe avezwayo nenani lamachazi. Pakisha inanai lezinombolo elifano. 	

Isonto 34 Ukujvayenza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe						
Ishloko	1.3 Izimpawu namagama ezinombolo <ul style="list-style-type: none"> • Bona izimpawu namagama ezinombolo <p>Ukusebenza komzimba</p> <ul style="list-style-type: none"> - Beka izinto -5 emgqeni - Yenza abafundi bakubuke kahle - Abafundi babbheka eceleni , uthisha asuse okukodwa - Abafundi kufanele basho ukuthi yiphiint esusive - Iphindisele into uphinde kaningana bese uqhubekela phambili ususe oku-2 nokunye okungaphezulu. <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Khetha uphawu lwenombolo -9 negama lenombolo phakathi kwamakhadi avezwayo - Beka ikhadi lophawu lwenombolo phansi ngokulandelana kokuhleleka kwezinombolo - Beka amakhadi ezimpawu zezinombolo ngokuhulkana <p>Hlukanisa abafundi ubenze amancane uthisha anike iqembu ngalinyeisethi yamakhadi ezimpawu ezinombolo</p> <p>Nikeza abafundi imiyalelo isib.</p> <ul style="list-style-type: none"> - Thinta inombolo 4, beka indololwane kunombolo -8, hlala phezu kunombolo 3, gjima uzungeze inombolo- 5 kahlau njil. - Dlala imidlalo ngokuxumanisa inani lezinto zokubala kanye negama lenombolo, uphawu lwenombolo, amachashazi nekhadi lezithombe. - Qinisekisa uuphawu lwenombolo negama lenombolo njalo kuxhunyaniswa nenombolo efanayo yezinto 	<p>5 izinto (ezibonwayo)</p> <p>izinto zokubala</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">Isithombe sezinto ezi-9</td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">9</td> </tr> </table> <p>Amasethi ambalwa amakhadi afaka izinombolo 1-kuya 9</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">Isishiyagololunye</td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">9</td> </tr> </table> <p>Amakhadi avezwayo anezimpawu zezinombolo, izinombolo magama, amachashaza nezithombe isib.</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">Isithombe sezinto ezi-9</td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">isishiyagololunye</td> </tr> </table> <p>izinto zokubala</p>	Isithombe sezinto ezi-9	9	Isishiyagololunye	9	Isithombe sezinto ezi-9	isishiyagololunye
Isithombe sezinto ezi-9								
9								
Isishiyagololunye								
9								
Isithombe sezinto ezi-9								
isishiyagololunye								

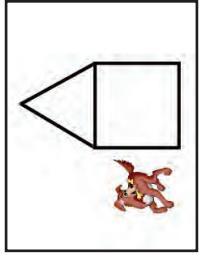
Isonto 34 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.1 Isikhundla, isimo nokubukeka kuento	<p>Landela izinkomba ukunyakaza nomu ukuba sendaweni ethile</p> <ul style="list-style-type: none"> Thuthukisa umqondo wezinkomba <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Dweba unxantathu omkhulu, nomu isikwele phansi Abafundi bayohamba eduze kwesimo besho ukuthi bajikela kwesokunxele,noma kwenkombisa ngezandla zabo. <p>Sebenzisa izinto eziphathekayo ezi- 3-D</p> <p>Dweba unxantathu omkhulu nomu isikwele ephepheni ulibeke phansi.</p> <p>Yenza umfundi;</p> <ul style="list-style-type: none"> Adudule inqola eduze kwemigqa. Abanye abafundi bazolula izandla zabo zesokunxele nomu sokudla behambisana nenkomba besho bethi esokunxele esokudla. <p>Yenza abafundi ;</p> <ul style="list-style-type: none"> Chaza into ngezindlela ezehlukene isib. udoli(ngemumva/ngaphambili), indlu(ngemumva/ngaphambili) ingaphami/ngemumva lesikole, imoto (ngaphambili/ngemumva) kuncike ukuthi umi kuphi. Abafundi bachaza ukuthi babonani isib.uma kunesihlahla bachaza isikhundla sesihlahla. <p>Sebenzisa izimo nezithombe ezi-2-D</p> <ul style="list-style-type: none"> Yenza abafundi bathole ulwazi lokuya phambili/enumva ngokuveza izithombe zezinkomba. 	<p>Izimo ezinkulu ezidwetshwe ephepheni</p> <p>Imoto yokudala</p> <p>Unodoli</p> <p>Indlu</p> <p>Imoto</p> <p>Izithombe ezibonisa inkomba, isib.</p> <p>inkomba yemoto ehamba ngayo</p> <p>nenkomba yomuntu ahamba ngayo.</p>	Usuku olu-1	

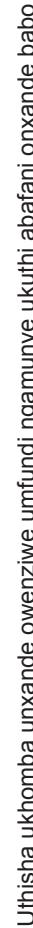
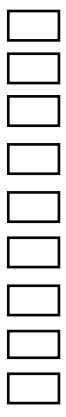
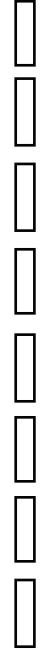
Isonto 34 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselelwie iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Amanothi Acacisayo	Izinsiza kufundisa ezinconyiwe	Isikhathi Esilinganisiwe
3.3 Izimo ezinhlangothi mbili (2-D)	<p>Bona, ukhombe amagama ezimo ezi 2-D ekilasini nasezithombeni bese zihlelwa.</p> <ul style="list-style-type: none"> Gcizelela ulwazi olumayelana nendilinga, umxantathu, isikwele nonxande. <p>Ukusebenzisa umzimba</p> <p>Yenza abafundi basebenze ngababili;</p> <ul style="list-style-type: none"> Dweba izimo emhlane womngani wakho ngomunwe. Omunye uzosho ukuthi yisiphi isimo. <p>Sebenzisa izinto eziphathekayo ezi-3-D</p> <p>Nikeza izimo ezisambalomdwebo ngobungako nogqinsi obuhulkene.</p> <p>Yenza abafundi;</p> <ul style="list-style-type: none"> Hlela izimo ijjyometri ngalendlela isib izindilinga, onxantathu, izikwele nonxande. Hlela izimo ijjyometri ngobungako Hlela izimo ezsazbalomdwебо ngemibala. <p>Sebenzisa izimo nezithombe ezi-2-D</p> <p>Yenza abafundi;</p> <ul style="list-style-type: none"> Basike izimo ezibaliwe rgenxa ephepheni. Ezifaka izimo ezinkulu nezincane nonxantathu bama-engela ahlukeni. Hlela izimo ezhlukeni ndawonye. Lungisa isithombe esakhniwe ngezimo ezisikiwe ngesikhathi womsebenzi wobuciko. 	<p>Izinhlobonhlabo zezimo</p>     	<p>1 suku</p>	

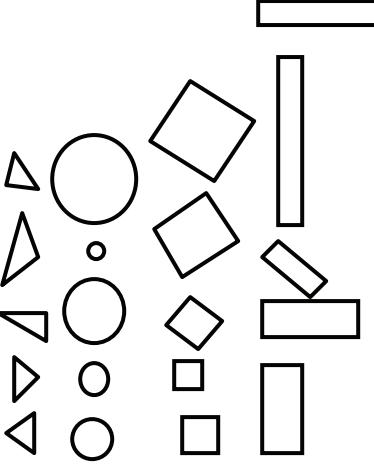
Isonto 34 Ukujvayeza	Izikhathi Zokufunda Ezinconyiwe: Umsebenzi kathisha olungiselewe iklasi , uthatha imizuzu okungenana engama 30 (okungenani ka 5 ngesonoto)	Izinsiza kufundisa ezinconyiwe Isikhathi Esilinganisiwe
Ishloko	<p>Amanothi Acacisayo</p> <p>3.4</p> <p>Okufana nse nxa zombili</p> <ul style="list-style-type: none"> Thuthukisa ulwazi ukuthi kunomugqa ohlukanisa izinto zifane nse nxazombili <ul style="list-style-type: none"> Sebenzisa izinto eziphathekayo ezi-3-D <ul style="list-style-type: none"> Buka izinto zangempela ezingatshengisa umugqa ohlukanisayo. (olunye uhlangothi lubukeka lufana nolunye) isib. Uvemvane, iqabubunga njil. Uthisha nabafundi baqqa izithombe zezinto ezikhombisa umugqa ohlukanisa kabil kufane nse isib.indiela okupendwe ngayo izindlu, indiela okwakheke ngayo amathayili, amavazi namapharashudi. <p>Sebenzisa izimo nezithombe ezi-2-D</p> <ul style="list-style-type: none"> Amfundu basika izimo ezsanhлизио noma amavazi ezimbali ephepheni eligoqiwe laba uhafu bese beluhobisa ngesikhathi sobuciko obubonakalayo.  <p>Iphepha eligoqwe uhafu</p>	1 usu

Isono 35	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	IZINSZA KUFUNDISA EZINCONYIWE ISIKHATHI ESLINGANISIWE
ISIHLOKO	ISIHLOKO	ISIHLOKO
1.1 Bala izinto	<p>Gcizelela ulwazi olutholiwe evikini le-34 olupphathelene nenombolo-9</p> <p>Ukukhulumu:Ukubala ngezinto nsukuzonke ufike ku-9 Ukubala uya phambili nokubala uhliele ufike ku-9 Ukubala uphimisa usuka ku 1-10</p> <p>Ukugxilisa ukubala ngokubili usebenzisa umlozelo wezinombolo</p> <p>Ukugxilisa ulwazi “lokunini “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinungiIMA Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya izandla kuze kube ka-9 Buza umbuzo ukuthi yiliphi ihlombe elikhale kaningi /mncane</p> <p>Ukusebenzisa umzimba</p> <p>Asidiale umdlalo Uthisha ubeka ikhadibhodi elikhulu elinenombolo nezimo nom a beke phansi amakhadi anezinombolo ezilandelanayo i-9</p> <p>Uthisha unika abafundi imiyalelo njengo-</p> <ul style="list-style-type: none"> - Hlala kunombolo 6. - Beka unyawlwakho kunombolo 3. - Gijima uzungeze unombolo 2 kathathu - Khaleza kunombolo1. - Uthisha usengawaxuba amakhadi ezinombolo aphinde awaphonse phansi 	<p>Umlolozelo wezinombolo neculo</p> <p>Ikhadibhodi elikhulu elinesethi lezinombolo. Ungazipenda bese uzuvala ngoplastiki noma uzibeke ekhalibhodini eliqinile</p>
1.4 Chaza, qhathanisa bese uhela izinombolo	<p>Ukusebenzisa izinombolo esimweni estijwayelekile</p> <p>Ukusebenzisa izinto eziphathekayo ezingonhlangothi ntathu-3-D</p> <p>Abafundi ba-:</p> <ul style="list-style-type: none"> - Bala izinto ekilasini - Bala ngezinto zokubala - Uthisha ubeka izinto eziningi phezu kweatafula.Abafundu bayaqagela ukuthi zingaki lezinto eziningi ezibekwiwe Bayazibala emuva kokuqagela. 	<p>Usuku olu -1</p> <p>Izinto zokokubala izinto ekilasini</p>

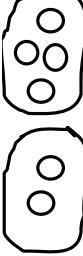
I onto 35	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwe uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIKHATHI ESLILINGANISIWE			
ISIHLOKO	Amanothi Acacisayo	IZINSZA KUFUNDISA EZINCONYIWE			
	<p>Ukusebenzisa imidwebo ngezimo ezzinhangothimbili 2-D noma izithombe</p> <p>Abafundi baya:-</p> <ul style="list-style-type: none"> - Badlala umdlalo wokuhlanganisa inombolo nezinto zokubala, negama laleyo nombolo, inombolo, amachashazi kanye namakhadi ezithombe. - Yiba nesiqiniseko sokuthi inombolo negama lenombolo kuyahambisana nenani lalezointo zaleyonombolo. - Bhala phezu kwenombolo isi- 9 ngekhilayoni. <p>• Xazullula izibalo zamagama ngokuphimisa esimweni esifaka izinombolo 1 kuya ku-9.</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Ukuoxxa indaba yesihlahla nenyoni, kwafika enye inyoni yahlala.Zingaki izinyoni ezesihihleni manje? Abafundi sebeyenza samdlalo begqoke amamasiki 1 no 1 kukunika oku-2. <p>Siphinde lesisifundo uze ufile ezinyonini ezi-9</p> <p>Ukusebenzisa izimo noma izithombe eziphathekayo ezingonhangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Umngani unezinto zokubala ezi-8.isib.izilwane eziyiplastiki umngani unenye eyodwa. Zingaki izilwane abanazo sezzoneke? 8 no 1→9 <p>Ukusebenzisa izimo nezithombe ezingonhangothi mbili 2-D</p> <ul style="list-style-type: none"> - Nika umfundi ngamunye iphepha lokubhalela elinesithombe sesihlahla. Abafundi babeka okokubala okukodwa phezu kwestihlahla. Qhubeka ubeke ngakunye phezu kwestihlahla. 	<p>iflashikhadiyezinombolo, amagama ezino mbolo, amachashazi, nezithombe isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sezinto ezi-9</td> <td style="text-align: center;">9</td> <td style="text-align: center;">isishiyagaiolunye</td> </tr> </table> <p>lzinto zokubala namakhilayoni</p> <p>Usuku olu-1</p>	Isithombe sezinto ezi-9	9	isishiyagaiolunye
Isithombe sezinto ezi-9	9	isishiyagaiolunye			
1.7 Ukuhlanganisa nokususa					

Isonto 35	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIHLOKO	ISIKHATHI ESINCONYIWE Amanothi Acacisayo	ISIKHATHI ESLINGANISIWE Usuku olu-1
3.1	<ul style="list-style-type: none"> Chaza isikhundia sezinto ezimbili ezinobudielwano kwenye <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> Umfundiucela umngani ukuba ame phakathi kwezinto ezimbili/umfundii Umfundi ucela umngani ame eduze kwentombazane eqoke ilokwe eliuhlaza njengesibhakabbhaka Umfundi ucela umngani ukuba ame eduze nomfana uface icathulo ezinsundi.  <p>Ukusebenzisa izinto ezingonhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> Lengisa intambo phakathi kwezinto ezimbili. Abafundibalengisa izingubo belandela imiyalelo isib. “lengisa ishethi ngasesandleni sokunxele “lengisa ilokwe ngasesandleni sokudla seshethi” Lengisa iduku lobuso eduze kwe... njil..” Lengisa ibhulukwe phakathi kwe... <p>Ukusebenzisa ozinto noma izithombe ezingonhlangothi mbili 2-D</p> <ul style="list-style-type: none"> Dweba isithombe sendlu ulandela imiyalelo kathisha isib.. Dweba uphahlala lwendlu ephepheni phezulu Dweba izindonga zendlu maphakathi nephepha njil. Dweba injia ngasesandleni sokunxele yendlu. <p>Iphepha lokubhalela alibe likhulu ngokwanele ukuze ukwazi ukudweba izimo zingathintani ukwakha isithombe sendlu.</p> 	Isikhundia, isimo nokubukeka kuento		

Isono 35	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	IZINSIZA KUFUNDISA EZINCONYIWE	ISIKHATHI ESLINGANISIWE
ISIHLOKO	ISIHLOKO	AMANO THI ACACISAYO	AMANO THI ACACISAYO
3.3 izimo ezinlangothi mbili (2-D)	<p>Bona, ukhombe bese usho amagama ezimo ezinlangothi mbili -2-D ekilasini</p> <ul style="list-style-type: none"> - Ukugcinelela ulwazi olutholwe ngonxande <p>Ukugcina izimo kuyikhono lokuhlukanisa phakathi kwezimo endaweni ekuzzungezile nomu ngabe ubungako nomu ubungako bama-engela.</p> <p>Ukusebenzisa izinto ezinlangothi ntathu 3-D</p> <p>Ukuhlukanisa abafundi ngamaqembu.</p> <ul style="list-style-type: none"> - Nikia iqembu ngalinye amabhuholi angonxande abayi-9ahlukene ngobungako Yenza abafundi ba: - Hlela amabhuholi angonxande ngobungako babo obuhulkene uwabeke ngobungako obufanayo. - Bala amabhuholi okwakha ukuthi mangaki. <p>Uthisha ubanika imiyalelo elendeleyo.</p> <ul style="list-style-type: none"> - Beka amabhuholi okwakha angonxande uwamise ulayini. - Beka amabhuholi angonxande ame abheke phezulu. <p>Bekaamabhuholi angomkande ngoayini ogwintsizayo.</p> <p>Uthisha unika umfundi ngamunye isinqamu sewuli. Abafundi bazenzela isimo silkanxande ngewuli.</p>   	<p>Usuku olu-1</p> <p>noma khetha owodwa walemisebenzi</p> <p>Iqembu ngalinye lithola onxande abayi-9 amabhuholi okwakha anobungako obungafani</p> <p>Isinqamu sensonto/wuli</p>  	

Isonto 35 ISIHLOKO	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto) Ukusebenzisa izimo nomá izithombe ezinhlangothi mbili 2-D	IZINSZA KUFUNDISA EZINCONYIWE ISIKHATHI ESLILINGANISIWE
<p>Isonto 35</p> <p>ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)</p> <p>Ukusebenzisa izimo nomá izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Uthisha ubanika amafashikhadi ahlukena angama-20 eyodwa inezimo ezi-5 izindilinga, onxantathu, izikwele, nonxande ngayinye isib. 	<p>Amanothi Acacisayo</p> <p>Amakhadadi anafashikhadi ahlukena anga-20, ikhadi ngalinye linezinhlobo ezinhlanu zezimo onxantathu, izindilinga, izikwele, nonxande</p>	<p>Amakhadadi anafashikhadi ahlukena anga-20, ikhadi ngalinye linezinhlobo ezinhlanu zezimo onxantathu, izindilinga, izikwele, nonxande</p> <p>Uthisha uhlukanisa abafundi ngamaqeembu. Yenza abafundi ba;</p> <ul style="list-style-type: none"> - Khetha amafashikhadi kanxande kwezinnye izimo, Yenza abafundi ba; - khetha zonke izithombe ezinezimbali phakathi nezithombe ezesesihlahleni namacembe njill.

Isono 36	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIKHATHI ESLILINGANISIWE
ISIHLOKO	IZINSZA KUFUNDISA EZINCONYIWE	IZINSZA KUFUNDISA EZINCONYIWE
1.1 Bala izinto	<p>Gcizelela ulwazi olutholiwe olufaka izinombolo 1-9</p> <p>Ukukhulumuma;</p> <p>ukubalaizí nto ufile ku-9 nsukuzonke</p> <p>ukubala uya phambili ubuye uye emumva ufile-9</p> <p>Ukugcizelela ukubala ngakubili usebenzisa umlolozelo wezinombolo</p> <p>Ukugcizelela ulwazi “okuningi” no “okumbalwa”.</p> <p>Shaya ihlombe izikhathi ezinungiIMA</p> <p>Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya ihlombe ka -9.</p> <p>Ukusebenzisa izinto ezinhlangothi ntathu3-D</p> <ul style="list-style-type: none"> - beka izinto ngamaqoqo ano-1-9 bese ubala kuzwakale - diala umdialo ezinombolo zamadomino <p>ukusebenzisa izimo nezithombe ezinhlangothi mbili 2-D</p> <p>Nika umfundi isithombe, idothi, inombolo noma ikhadi legama lenombolo</p> <p>Abafundri benza ngendlela uthisha abayale ngayo;.</p> <ul style="list-style-type: none"> - Abafundi bahalala benza indilinga - Uthisha ubiza inombolo isib.9 abafundi banesithombe, idothi, inombolo, nekhadi legama lenombolo elimele isi-9, bahamba endilingeni besho “nginosishiyagalolunye” - Phinda nakwezinye izinombolo. - Uma wonke umfundi esethole ithuba lokuba renombolo,biza izinombolo ngokulandelaana kwazo - abafundi bayama bephakamise amakhadi abo emoyeni uma kubizwa inombolo yakhe.. - Buka ukuthi abafundi bayakwazi ukuzihla belandelanisa izinombolo kusuka 1 kuya 9 - Bukaukuthi abafundi bayakwazi yini ukulandelanisa wonke amakhadi amele izinombolo 1,2,3,4, uze ufile ku-9. 	<p>Amaculo nemilozelozelo ezinombolo</p>  <p>Izinto ekilasini</p> <p>Izinombolo namadomino</p>

Isonto 36	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwe uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	IZINSIZA KUFUNDISA EZINCONYIWE Amanothi Acacisayo	ISIKHATHI ESLINGANISIWE Usuku olu-1
1.4 Chaza, qhathanisa bese uholea izinombolo	<ul style="list-style-type: none"> • Qhathanisa uthi yikuphi kulamaqoqo amabili owanikiwe; <ul style="list-style-type: none"> - Kuningi kuno... - Kuncane kuno...(kumbalwa) - kuyalingana(kuyafana) <p>ukusebenzisa izinto eziphathekayo kusebenza izinto ezi 3-D</p> <ul style="list-style-type: none"> - uthisha unika izinto ezahlukene njengeamacembe,amatshes,izivalo zamabhodla,amakhilayono, amabhuloki njil. - Yenza abafundi ba; - zihlela ngamaqoqo isib.onke amatshe ndawonye - bala izinto ngezinombolo eqeqweni ngalinye. - Tshengisa ukuthi yilphi iqoqelino"kuningi" "okumbalwa" no"Kulinganayo" <p>Amasethi ahlanganisa izinombolo ku-9;</p> <ul style="list-style-type: none"> - Abafundi bahlala phansi benzsa "izidleke" ezimbili ngewuli - Utihsha unika abafundi lymalo ukuba babeke izinto ezi-2 esidlekeni esisodwa ubuye ubek eziyne ezi-4 kwasinye isidleke - Babuze imibuzo njenge;Yisiphi "isidleke" esino"Kuningi kune""Okumbalwa kune" "nokelinganayo"izinto zokubala?isib,isidleke esinezintzo zokubala ezi-2 kuncane kunezinto zokubala e-4 ezisesidlekeni. 	<p>Izingamu ezimbili zewuli/insonto kumfundini ngamunye</p> <p>Izingantu zokubala ezi-9</p> <ul style="list-style-type: none"> - Yenza abafundi bakhe "okuningi kune..." "okuncane kune" noku"linganayo" Lamasethi izinombolo uifike-9 	

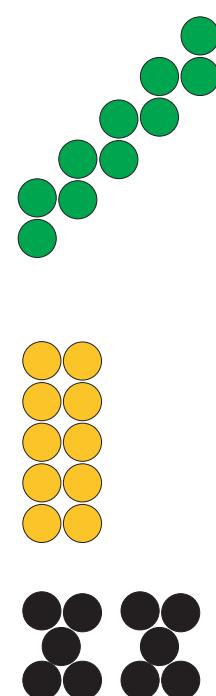
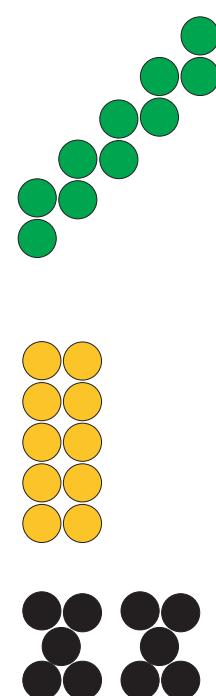
Isono 36	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwe uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	ISIKHATHI ESLILINGANISIWE
ISIHLOKO	Amanothi Acacisayo	IZINSIZA KUFUNDISA EZINCONYIWE
1.13 Ukuhlanganisa nokususa	<ul style="list-style-type: none"> Xazulula izinkinga ozinikeziwe zokuhlanganisa nokususa ngokuphimisa kufaka izinombolo 1-9 <p>Ukukhulumwa:ukubala izinto ufile ku-9 nsukuzonke.</p> <p>ukubala uya phambili nokubala uye emumva ufile ku-9 ukugcizelela ubala ngakubili usebenzia umlolozelo wezinombolo</p> <p>Ukugcizelela ukubala ngokwezikhundla:</p> <p>Uthisha upakisha izinto ezi-6 emqgeni.</p> <p>Khomba into eyodlwa ngesikhathi ubala owokuqata,owesibili, owesithathu, owesine,owesini! anu,owesithupha...</p> <p>Ukugxilisa ulwazi “lokuningi “no”kumbalwa”</p> <p>Shaya izandla izikhathi eziningiIMA</p> <p>Shaya izandla izikhathi ezimbalwa. Uthisha ushaya izandla kuze kuge ka-9</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elibe liningi /mnancane</p> <p>Ukusebenzia umzimba</p> <ul style="list-style-type: none"> Uthisha ubiza umfundi-1 eze ngaphambili Uthisha ubeka ubuhluu namananai ahlikene (kufike 9) esandleni somfundi ngamunye. Isib. obu-4 esandleni esisodwa nobu-5 kvesinye isandla Uthisha uhlela abafundi aBanga-9 iqembu liliyeye, Abafundu bahlala phansi. Uthisha ucela abafundi aba-2 a ukuba basukume Uthisha ubabuza ukuthi “Bangaki abafundi abahleli phansi?” 	Usuku olu-1 Amaculo nemiolozelo ezinombolo

Isono 36	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	IZINSIZA KUFUNDISA EZINCONYIWE ISIKHATHI ESLINGANISIWE	
ISIHLOKO	Ukuhlanganisa nokususa	Amanothi Acacisayo	
1.13	Ukuhlanganisa izinto eziphathetekayo ezinhlangothi ntathu 3-D Abafundibahlala phansi. <ul style="list-style-type: none">- Umfundinengamunye uthola ubuhhalu obu-9 obubekwe enkomishini yepulasitiki nesosi .- Thatha ubuhhalu obu-6 enkomishini bese ububeka esosini. Thatha obunye ubuhhalu obu-3 Bungaki ubuhhalu obusele kulobu obusale esosini?- Thatha ubuhhalu obu-4 esosweni ububeke enkomishini yepulasitiki. Thatha obunye obu-5 ubufake kobusenkomishini yepulasitiki. Bungaki ubuhhalu obusesosini? Obu-9 susa 4 ususa obu-5→0.- Thatha ubuhhalu obu-4 enkomishini yepulasitiki ubufake esosini. Bungaki ubuhhalu obusele enkomishini yepulasitiki? obu-9 thatha obu-4 →5. Susa ubuhhalu obu-5 enkomishini yepulasitiki ububeke esoseni.Bungaki ubuhhalu obusele enkomishini yepulasitiki? Obu-5 susa obu-5→0. Ukusebenzisa izimo nezithombe konhlangothi mbili 2-D Ukuhluukanisa abafundi ngamaqembu.Nika iqembu ngalinye isethi lezithombe zamafleshikhadi. <ul style="list-style-type: none">- Bala izithombe ezi-6 kufleshikhad.Uma uzofaka enye ifleshikhadi enezithombe ezi-2 kuyona,zingaki izithombe ezikhona manje? ezi- 6 nezi 2 →8.- Bala izinto ezi-8 ekhadini lezithombe.Uma umboza izithombe ezi-3, zingaki izithombe ozibonayo? Ezi-8 ususa-3→5.- Pakisa izinto zokubala zenani elifanayo.	Sebenzisa lokho onakho uma ungenawo amankomishi namasosi	
2.1	• Kopisha iphetthini yomsindo Ukuhlanganisa umzimba Amaphethini okussazibalo mdwebo	<ul style="list-style-type: none">- Utishaa uhlukanisa abafundi ngamaqembu amathathu.Hlebelabese utshengisa ngokwenza eqenjini ngalinye ukutii imoto inamsindo muni bese benza ngokuyikho.- Ngesikhathi utishaa ekhomba iqembu, Ielo iqembu lenza umsindo walokho elikukkhetelwe.isib. ngenkathi utishaa- Woosh, brrrm, zonk / Woosh, brrrm, zonk.	Usukulu olu-1

Is onto 36	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIKHATHI ESLINGANISIWE						
ISIHLOKO	IZINSIZA KUFUNDISA EZINCONYIWE	IZINSIZA KUFUNDISA EZINCONYIWE						
5.1 Qoqa uholele izinto	<ul style="list-style-type: none"> Gcizelela ulwazi i okuphathwa kolwazi oluqókelewe Ukusebenzisa izinto ezinhlangothi ntathu 3-D Yenza abafundi badlale lomdlalo: Hlila bese ubeka ngamaqoqo imibala yenhlama yokudlala abayithandayo yeviki elilandelayo isib. - Ukuazazulula lenkinga ukuthola ukuthi yimuphi umbala wenhlama yokudlala okuyiyona abazoyisebenzisa ngesonto elizayo. <p>Ukuqoqa nokuhlela ulwazi</p> <ul style="list-style-type: none"> Sebenzisa izinto eziphathhekayo ukwenza igrafu njengalokhu amabholuki, amakhubhu, lego nomu amabholuki ka Duplo okumele imibala yenhlama yokudlala oyihle ukuyenzenza isiblaza njengesibhakabhaka, okuphuzi nokuhlaza njengotshani(okuvodwa kulkhu kungasetshenziswa) Umfundi ukhetha ibhuloki eyodwa ezmela umbala awuthandayo wenhlama yokudlala ezosebenziswa esontwi. <p>Ukudweba igrafu</p> <ul style="list-style-type: none"> Amabholuki apakishiwe ngokwemibala phezu kwephosta. <p>5.2 Okumele izinto eziqoqiwe</p> <p>5.3 Xoxa bese usho ngezinto eziqoqiwe zahlelwá</p>	<p>Usuku olu-1</p> <p>Amabholuki kaLegó, Duplo aluhlaza njengesibhakabhaka, okuphuzi, nokuhlaza njengotshani(okuvodwa kulkhu kungasetshenziswa)</p> <p>Ukufunda nokuhumusha itthebulu</p> <ul style="list-style-type: none"> Ngokulandela ukukhetha kwabafundi umbala abawuthandayo kulelisonto kuzzoba umbala ophuzi . <table border="1"> <tr> <td>Okuhlaza okwesibnakhaka</td> <td>okuphuzi</td> <td>Okuhlaza okotshani</td> </tr> <tr> <td>2</td> <td>4</td> <td>2</td> </tr> </table>	Okuhlaza okwesibnakhaka	okuphuzi	Okuhlaza okotshani	2	4	2
Okuhlaza okwesibnakhaka	okuphuzi	Okuhlaza okotshani						
2	4	2						

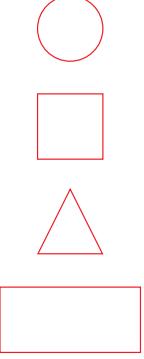
Is onto 37	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esibekiwe
ISILOKO	<p>1.1 Bala izinto</p> <ul style="list-style-type: none"> Ukwethula inombolo u 0 (uziro/okungekho)nokuthi ichaza ukuthini Bala uyaphambili ubuye uye emumva ufike e- 10 <p>Ukugcizelela ukubala ngakubili besenzisa umlolozelo Uthisha upakisha umugqa wezinto ezi- 6. Khomba into ngayinye ube ubala eyokuqala, eyesibili, eyesithathu, eyesire, eyesithanu, eyesithupha.</p> <p>Ukugcizelela umqondo “wokuningi” noku “mbalwa” Shaya izandla izikhathi eziningi IMA.</p> <p>Shaya izandla izikhathi ezimbalwa. Uthisha uzishaya izikhathi ezi 10 Buza umbuzo yiliphi ihlombe elishaywe kakhulu/ kancane Uthisha uyachaza ukuthi u 0 uchaza “okungelutho” nokuthi ukubala ngokwangempela kuqala 1</p> <p>Ukunyakazisa umzimba</p> <ul style="list-style-type: none"> - Uthisha ukhomibia abafundi igama lenombolo u 0 - Yenza abafundi bakhombe isitho somzimba esingakhombisa okungekho (0) isib. <ul style="list-style-type: none"> o Umilomo yabafundi  o Iminwe yabafundi 	<p>• Bebala bephimisela: Bala izinto ezisethenziswa njalo ukufika e 10 ukusukela ku-0</p> <p>Amaculo zezinombolo nemlolozelo</p>	<p>Usuku olu-1</p>	
1.1 Bala izinto	<p>Izinto eziphathekayo usebenzisa izinto ezinhlangothi ntathu 3-D</p> <p>Bala izinto</p> <ul style="list-style-type: none"> - Uthisha ubeka into yokubala eyodwa esandleni sakhe esisodwa, angibeki lutho kwesinye isandla. - Uvula isandla sakhe abonise abafundi into yokubala eyodwa, bese evula lesi esinye isandla abonise abafundi ukuthi asinalutho. - Lomsebenzi ungenziwa ngokuthi utisha asebenzise nabafundi. - Okucische kuphathekayo usebenzisa izimo ezinhlangothi mbili noma izithombe 2-D - Uthisha ukhomibia abafundi amafulesikhadi angenazithombe nophawu lwenombolo 10. 	<p>Izinto zokubala</p> <p><input type="checkbox"/> 0</p>		

Is onto 37	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)</p>		
ISIHLOKO	<p>1.1</p> <p>Bala izinto</p> <ul style="list-style-type: none"> • Yethulela abafundi ukuthi inombolo 10 ichaza ukuthini <p>Bala uyaphambili ubuye uhlilele ufinyelele e-10</p> <p>Ukubala behuba ukusuka 0-10</p> <p>Ukugcizelela ukubala ngakubili besebenzisa imilolozele</p> <p>Ukugcizelela ukubala kwezinombolo ezimele isikhundla: Uthisha upakisha umugqa wezinto e 6. Khomba into ngayinye ube ubala eyokurqala, eyesibili, eyesithathu, eyesine, eyesihlanu, eyesithupha</p> <p>Ukugcizelela umqondo “wokuningi” noku “mbalwa”</p> <p>Shaya ihlombe izikhathi eziningi IMA.</p> <p>Shaya ihlombe izikhathi ezimbawla. Uthisha ulishaya izikhathi ezi 10</p> <p>Buza umbuzo yiliphi ihlombe elishaywe kakhlulu/ Kancane</p>	<p>Amanothi Acacisayo</p>	<p>Izinsiza kufunda ezinconyiwe</p> <p>Amaculo zezinombolo nemilolozele</p>
	<p>Ukunyakazisa umzimba</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Ngababili ukusukela kwinombolo ye 10 ngemizimba yabo (abafundi 4) - Bala ukufika 10 benyakaza nesigqi sesigubhu. - Ukuphakamisa iminwe. - Ukuudweba inimbolo 10 enhlabathini/ phansi endlini/ phansi ngaphandle uphinde uhambe phezu kwakho. - Gxuma izkhathi ezhlanu. - Beka izinombolo zamakhadibodi “esikhwameni sezinto ezithintwayo”. - Iba nesethi yamafleshikhadi anezithombe ezimele inombolo isib. amabhola amabili ekhadini ellibonisa inombolo 2. Umfundi “uthinta” izinombolo ezsiseikhwameni baziqhanise namakhadi 	<p>Isikhathi esibekiwe</p> <p>Khetha imisebenzi embalwa</p>	<p>Usuku olu-1</p>

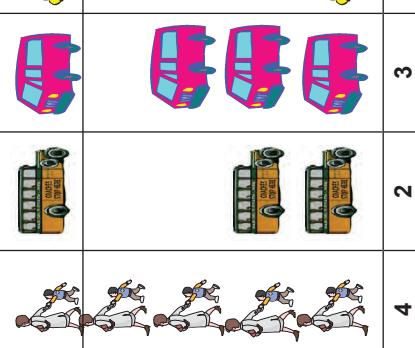
I onto 37 ISILOKO	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)</p> <p>Amanothi Acacisayo</p> <p>Izinto eziphathetekayo usebbenzisa izinto ezinhlangothintathu3-D</p> <p>Yenza abafundi ukuba:</p> <ul style="list-style-type: none"> - Bakhiphe, babeke kahle izinombolo zabo zocingo besebeenzisa amakhadi ezinombolo amakhulu. Bachazele ngo 0, ukuthi umele 10. - Thuthukisa ikhono lokonga izinombolo ngokubenza bakhiphe bapakishe kahle izinto zokubala ezinhlanu nomu yiziphi izinto ngzindlela ezahlukene. Isib. 	<p>Izinsiza kufunda ezinconyiwe</p> <p>Amakhadi anezinombolo zabafundi zocingo</p> 	<p>Isikhathi esibekiwe</p>
------------------------------------	--	---	-----------------------------------

I onto 37 ISILOKO	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esibekiwe
	<p>Okucishe kuphattheke usebenzisa izinto ezinhlangothi mbili noma izithombe 2-D</p> <p>Yenza abafundi ngokwemiyalelo kathisha:</p> <ul style="list-style-type: none"> - Babeko izinto ngokwamaqoqo ambanakanya izinombolo 1 uku 10 babuye bazibale lezinto bephimisel. <p>Uthisha uhlukanisa abafundi abenze amaqoqoqo amahlanu.</p> <p>Yenza abafundi ukuba:</p> <ul style="list-style-type: none"> - Bahlele futhi bahlanganise amakhadi ezithombe, amafleshikhadi anamachashazi, izimpawu zezinombolo, namagama ezinombolo eziheleke ngendlela efanele ukufika 10 isib. <p>Isethi yamakhadi anezithombe ukufika 10</p> <p>Izinto eaisekilasini</p> <p>Izinto zokubala</p>			

I onto 37	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Isikhathi esinconyiwe Isikhathi esibekive
ISILOKO	<p>2.1 Amaphethini okussazibalo mdwebo</p> <ul style="list-style-type: none"> Diala umdlalo wephethini- “Isikoshi” <p>Ukunyakazisa umzimba</p> <ul style="list-style-type: none"> Bahambe bazungeze ikilasii.uma utishaa enza uphawu oluthile, nomu uma umculo uthula, utishaa ubiza igama lomfanekiso/ isimo. Abafundi benza lesosimo ngemirinwe yabo.Bangabuye bezenze iqembu bese benza isimo esithile ngemizimba yazo . Dweba iphetihini ngezansi phansi phansi endlini/ phansi ngaphandle nomu kuveranda ukwenzela ukuthi abafundi bazonyakaza ngendlela thizze.  <p>Xoxa ngamaphethini isib.</p> <ul style="list-style-type: none"> Buza imibuzo efana nalena elandelayo: ”Yisiphi isimo esiza emuva kukanxande osekuaqalen?” ”Yisiphi isimo esiza ngaphambi kwendilinga osekuaqalen?” <p>Abafundi balandela iphetihini ngalendela elandelalayo:</p> <ul style="list-style-type: none"> Uthisha uthi: “Jabu, ugxiuma ngaphambi kuka Thandiswa”,kanti wena Musa,ungagxiuma ngemiruva kuka Kabelo” Gxumela kunkande ngezinyawo zombili. Gxumela kunkantathu ngonyawo langakwescbunxele. Gxumela esikwelenu ngonyawo langakwesokudla. Gxumela kundilinga ngezinyawo zombili ujikse umzimba wakho ngenkathi umi kundilinga. Qedela iphetihini. 	Izinsiza kufunda ezinconyiwe Izinsiza kufunda ezinconyiwe Usuku olu-1

I onto 37	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Isikhathi esinconyiwe sokufunda:
ISILOKO	Amanothi Acacisayo	Isikhathi esibekiwe
2.1 Amaphethini okussazibalo mdwebo	<p>izinto eziphathetekayo useebenzisa izinto ezinhlangothi ntathu 3-D</p> <p>- Umfundu ngamunye uthola lemifanekiso elandelayo:</p>  <p>Uthisha wakha iphethini ngezimo zakhe</p> <p>Yenza abafundi:</p> <ul style="list-style-type: none"> - Bakopishe iphethini besebenzisa izimo ezingenha. - Ukuzaakhela amaphethini ngemifanekiso abayinikiye. 	<p>Izinsiza kufunda ezinconyiwe</p> <p>Umfundu ngamunye uthola lemifanekiso elandelayo:</p>  <p>Isikhathi esibekiwe</p>
3.1 isikhundla, indawo nokubukeka kwayo	<p>Ukulandela izinkomba ukunyakaza nomu ukuzibeka endaweni ethile</p> <p>• Thuthukisa ukucqonda izinkomba ngokulandela imiyalelo kanye nesinxele, kanye nesokudla</p> <p>Ukunyakazisa umzimba</p> <p>Yenza ukuba abfundi balandele imiyalelo kathisha:</p> <ul style="list-style-type: none"> - Buka phezulu /buka phansi/buka ukhuphuke. - Goba ubheke phansi / goba uye ngezansi. - Phakamisa unyawo lwangakwesokunxele /phakamisa unyawo lwangakwesokudla. - Gaqa ngamadolo uzungeze itafulu. - Hamba uyephambili/hamba uyephambili. - Faka izandla zakho phakathi / zikhriphe. - Mana ngakwesokudla lesitulo/ mama ngakwesokunxele lesitulo - Mana ngaphambi kwestitulo sakho/ ngemuva kwestitulo. - Mana phakathi kwestitulo ezimbili. - Buka ngakwesokudla / buka ngakwesokunxele - Phenduka ngonyawo lwakho lwangakwesokunxele - Phenduka ngonyawo lwakho lwangakwesokudla. 	<p>Usuku olu-1</p> <p>Imiyalelo evela kuthisha.</p> <p>Amagama assetshenziswayo:</p> <p>Phezulu/phansi Phakathi/ phandle Phezulu/ phansi Phambili/ emuva Ngaphambili/ ngemuva ngaphezulu/ ngenhla/ ngaphansi/ ngezansi lelicala ellinye icata Eceleni kwesobunxele/ kwesokudla Phakathi</p>

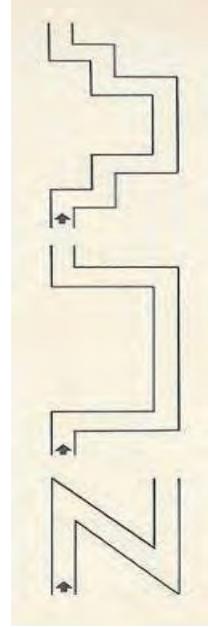
Is onto 37 ISILOKO	<p>Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)</p> <p>Izinto eziphathetekayo usebbenzisa izinto ezinhlangothi ntathu 3-D</p> <p>Abafundi mabenze lokhu okulandelayo ebhodini:</p> <ul style="list-style-type: none"> - Dweba uqhubeka uzungeze indingilizi <p></p> <p>- Dweba ulayini usuke ngakwesobunxele uye ngakwesokudia</p> <p></p> <p>- Dweba imigqa esuka phansi iya phezulu.</p> <p></p> <p>- Uthisha udweba amachashazi amabili bese abafundi bedweba umugqa owahlhanganisayo.</p> <p></p>	Isikhathi esibekiwe
------------------------------	--	---------------------

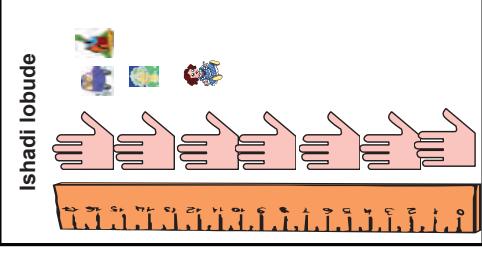
Is onto 37	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto		Isikhathi esibekiwe				
ISILOKO	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esibekiwe				
5.1	<ul style="list-style-type: none"> • Gcizelelwauiwazi lokuphathwa kolwazi oluquoqiwe izinto eziphathekayo usebenzisa izinto ezinhlangothintathu 3-D <p>- Utihsha uyaxoxa ezama ukuthola ukuthi umfundi ngamunye uya kanjani esikoleni.</p> <p>- Wakha okusazibalomudwebo omelie abafundi abahambaya. Uma ungenazo izithombe ungaciociyela ngezimoto zabazali nalabo abeza ngebhasi. Isib.</p>	<p>Izithombe zamabhuuku zethekisi, ibhasi, imoto, abafundi abahambaya. Uma ungenazo izithombe ungaciociyela uzidwebelle ezakho</p>   <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">1</td> </tr> </table>	4	2	3	1	Usuku olu-1
4	2	3	1				
5.2	Okumele izinto eziqoqiwe	Xoxa bese usho izinto eziqoqiwe zahielwa	<ul style="list-style-type: none"> - Ukuhlaziya imiphumela ngokusebenzisa imibuzzo 				

I onto 38 ISILOKO	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esibekiwe
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ulwazi olutholwe evikini 37 oluxuba izinombolo 0 ukuya 10 Bala uyaphambili uye emuma ufile e- 10 Ukubala behuba ukusuka ku 0 ukuya 10 <p>Gcizelela ukubala ngakubili besenzisa umlozelo Gcizelela ukubalwa kwezinombolo ezimele isikhundla: Uthisha upakisha umugga wezinto e 6. Khomba into ngayinye ube ubala eyokuqala, eyesibili, eyesithathu, eyesire, eyesihlanu, eyesithupha</p> <p>Gcizelela umqondo “wokuningi” noku “mbalwa” Shaya izandla izikhathi eziningi IMA. Shaya izandla izikhathi ezimbalwa. Uthisha uzishaya izkhathi ezi 10 Buza umbuzo yiliphi ihlombe elishaywe kakrului/ kancane</p> <p>Ukunyakazisa unzimba</p> <ul style="list-style-type: none"> Uthisha ukhombisa abafundi igama lenombolo u 0 Uthisha udweba izindiliinga 11 (0 ukuya10) izindiliinga erkundleni yokudlala noma besebenzia amahulahubhu. Ubhala izinombolo 0 ukuya 10 ngaphakathi kwendilinga ngayinye. Uthisha ubiza inombolo kuthi umfundi aphonsie isakana lokudlala endingiliizeni ebiziwe Khumbuza abafundi ukuthi u 0 uchaza okungelutho.Uma umfundii ephonsa isakana lokudlala kwindingiliiza engu 0 uzophuma emdalweni Umfundi uphonsa isakana lokudlala kwindiliinga ehamambisana nedothi ne/ noma ikhadi lesithombe elibonswe nguthithsha. Umfundi uphonsa isakana lakhe endilingen iebonisiwe kwiphawu Qhubeka usebenzise anakhadi anagama ezinama ezhendebola ngendebola erfanayo. 	<p>Usuku olu-1</p> <p>noma</p> <p>Ungakhetha eminye yemisebenzi</p> <p>Imitolozelo yezinombolo nezingoma</p>		

I onto 38	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto	Isikhathi esinconyiwe sokufunda:
ISIHLOKO	1.3 Izimpawu namagama ezinombolo	Amanothi Acacisayo
	Bona bese ukhomba izimpawu namagama ezinombolo Masidiale umdialo:	Izinsiza kufunda ezinconyiwe
	Sebenzisa izinto ezinhlangothi mbili 2-D noma izithombe Masidiale umdialo:	Isikhathi esibekiwe
	<p>- Utishha ubhala igama lenombolo kwi cala elliodwa lekhadi abhale upphawu lwenombolo kweliyne icala lekhadi afake izinombolo.</p> <p>- O ukuya 10 (Sebenzisa amasethi ambalwa).</p> <p>- Abafundi baftunda igama lenombolo baqagele upphawu lwenombolo</p> <p>- Baphendukezelia ikhadi bazilungise.</p>	<p>Isethi yamakhadi lezinombolo embandakaya izinombolo 0-10</p> <p>Amakhadi ambandakanya izinombolo 1-10 negama lenombolo kwicala elliodwa, nophawu lwenombolo kwlinye icala. (Yakha amasethi ambalwa ukuze umfundu abe nekhadi lakkie).</p>
	1.4 Chaza, qhathanisa bese uhela izinombolo	Izinsiza kufunda ezinconyiwe
	<p>• Ukwethula izinombolo ezimele isikhundla- eyokuqala, eyesibili, eyesithathu, eyesine, eyesiñianu, eyesithupha</p> <p>Loluwazi luthuthukiswa kangcono ngokuhamba kwasikhathi ngokusetshenziwsa nokuphawulwa kwezimo zenvelo njengoba zenzeka ekilasini isib.ukuma ulayini uma bephunela ngaphandle “Siya usekuqaleni,uHelenungowesibili</p> <p>Ukunyakazisa umzimba</p> <ul style="list-style-type: none"> - Yenza ukuba abafundi benze umqhudelwano wokujima.Ngubani ubesekuqaleni, ekuiqaleni, ngubani opume isibili, kanti ngubani obesekutugcineni? <p>Diala umdialo – “iyona yiphi”?</p> <ul style="list-style-type: none"> - Cela abafundi ukuba bahale ezitulweni ezinhlanu benze ulayini. - Utishha uthi: ‘NgicaBangga ngomunye walababafundi. Umfundu wembethe ijezi ellibomvu.’ - Eqala ngomfundu ohlezi phambili, ugala ngomfundu ughubeka nolayini, ethinta umfundu ngamunye abuze: ingabe umfundu usekuqaleni, ungowesibili, ungowesithathu? Yenza ukuba abafundi aba-5 bame ezitebhisisi ngaphandle. Utishha ubeka ikhadi lophawu lwenombolo ngaphansi kwasitebhisi sengane ngayinye. <p>Ngibonise ukuthi yimuphi umfundu omi:</p> <ul style="list-style-type: none"> - Estebhisini sokuqala. - Estebhisini i sesibili. 	Isikhathi esibekiwe
	1.4 Chaza, qhathanisa bese uhela izinombolo	Izithulo ezinhlanu
		<p>Isethi yamagadi ezimpawu zezinombolo ezimbandalanya izinombolo 1 ukuya 10 Ciciyela uma kungenzinyathelo</p> <p>Umfundi osesitebhisisi sokuqala uphakamisa ikhadi lophawu lwenombolo kuphela uma impendulo iphume kubafundi abasekilasini lajowomfundi.Qhubeka uze ufile kunombolo 6.</p>

Is onto 38	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekiasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Isikhathi esibekiwe
ISIHLOKO	1.7 Ukuhlanganisa nokususa	Amanothi Acacisayo
1.7	<ul style="list-style-type: none"> Xazullula izibalo zamagamau ukukhuluma nokuchaza izixaxululo zezinkinga <p>Inombolo- 10 Ukuhlanganisa nokususa Bala uyaphambili nomu ulehlia ufike 10.</p> <p>Gcizelela umqondo “wokuningi” noku “mbalwa” Shaya izandla izikhathi eziningi !MA. Shaya izandla izikhathi ezimbawla. Utishha uzishaya izkhathi ezi 10 Buza umbuzo yiliphi ihlombe elishaywe kaknulu/ Kancane</p> <p>Izibonele:</p> <ol style="list-style-type: none"> Bekunamantombazana a 5endilini kwangena amanye amahlanu. Sekunamantombazana amangaki manje? 5 no 5 → 10. Bala izinto zokubala e 7 . Bala okubili uqhubeka.Bala okukodwa uqhubeka. Kungaki sekukonke? 7 no 2 no1 → 10. Kunezinto zokubala 10 phezu kwetafula. Kusele 4 kuphela. Zingaki ezsisiwe? oku 10 susa oku 6 → 4. Unamamabula awu 10 . Ususa ama 3. Mangaki asele? oku 10 susa uku 3→7 Wenze amakhekhe a10. Uthengisse amakhekhe ama 2. Unamangaki asele? 	Izinsiza kufunda ezinconyiwe Izinsiza kufunda ezinconyiwe Usuku olu-1
3.1	<ul style="list-style-type: none"> Landela izinkomba unyakaza nomu ukuzibeka endaweni ethize ekilasini <p>Isikhundia, isimo nokubukeka kuento</p> <ul style="list-style-type: none"> Uthisha ucela abafundi ukuba bame ngemuva ekilasini (ukuvuleka komnyango kuchaza ingaphambili lekilasi) <ul style="list-style-type: none"> Uthisha ucela abafundi ukuba bame ecaleri elliodwa lekilasi/ kwelinye icala lekilasi Uthisha ucela abafundi ukuba bame ngaphambi kwekilasi. <p>Izinto eziphathekayo usebenzisa izinto ezinhlangothintathu 3-D</p> <p>Umsindo unencazelo.</p> <ul style="list-style-type: none"> Abafundu balalela: - insimbi. - Impempe . - Izimsimbi zomculo. - Shayanisa amabhuoloki amabili okhuni 	Insimbi ekhalayo Impempe Nanoma yikuphi okushaywayo uma kuculwa Amabhuoloki amabili okhuni Usuku olu-1

I onto 38	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha wekilasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Amanothi Acacisayo	Izinsiza kufunda ezinconyiwe	Isikhathi esibekiwe
ISIHLOKO 3.1 Isikhundla, isimo nokubukeka kuento	<p>- Abafundi bavala amehlo besho ukuthi umsindo wensimbi,noma impempe nomu izinsimbi zomculo. Isikhwama sikabhontshisi ngalapho kuveta khona umsindo bese.besho ukuthi umsindo wani lowo isib. Ngaphambili kwekilasi,maduze nekhona lezincwadi njil</p> <p>- Uthisha utshela abafundi aba-4 ukuba bame ezidongeni zekilasi.Abafundu aba-4 emacaleni omane ekilasi ,ngamunye aphathe ithulusi(izsimbi, impempe, insimbi yomculo namabhuloki amabili)</p> <p>- Uthisha utshengisa ngesandia sakhe kumfundi ngamunye ukuthi enze umsindo ngethulusi lakte isib.insimbi kuphela.</p> <p>- Abanye abafundi batshengisa ngalapho kuqhamuka khona umsindo ngokukhomba khona,isib. Insimbi..</p> <p>- Ukgicizelela ulwazi lokwesokunxele nesokudla,thumela labo bafundi ababili ebebemi ngaphambili nangemuma nekilasi baphindel kwabarayi ekilasini.</p> <p>- Phinda wenze lomsebenzi ugxlise emsindweni ophuma ngakumacala esokudla nesokunxele lekilasi.</p> <p>- Abafundi basho “esokunxele”uma umsindo uphuma esandleni sokunxele “esokudla” uma umsindo uqhamuka ngasesandleni sokudla.</p>	<p>Ukusebenzisa izinto eziphathekayo ezi- 3-D Abafundi basebenzisa amabhuloki isib.Susa ibhuloki ulise esitulweni Lise murval/iphambili. Ima ngakwesokudla kwestulo/imma ngakwesokunxele kwestulo. Ima phakathi neztulo. Hlela izicathulo ngesokunxele nesokudla</p> <p>Sebenzisa izimo noma izitnombe eziphathekayo ezi- 2-D Yenza abafundi baqedele leliphepha lokubhalela usebenzissa amakhilayoni ukudweba umugqa phakathi kwemigqa.isib.</p>	<p>Ibhuloki nesitulo izicathulo</p>	<p>Iphepha lokubhalela nekhilayoni</p> 

Is onto 38	Isikhathi esinconyiwe sokufunda: Umsebenzi kathisha weklasi olongiselewe (iringi) okungenani imizuzu enga 30 ngosukungenani umsebenzi wezibalo o 5 ngesonto)	Isikhathi esibekiwe
ISIHLOKO 4.2 Ubude	<p>Qhathanisa uhlele izinto eziphathekayo usebenzisa amagama afaneleyo ukuchaza</p> <p>• Ukukala ubude babafundi ngetheyiphu</p> <p>Ukunyakazisa umzimba</p> <ul style="list-style-type: none"> - Ukuubheka kumathemu okuqala neyesithathu lapho ubude babafundi bakkala khona kusetschenziswa izandla eshadini lobude. - Akuphindwe kukanwe abafundi. - Uthisha ubeka itheyiphu yokukala eduze nezithombe zezandla eshadini lobude - Ubude babafundi buyakalwa futhi - Yenza abafundi bazi ukuthi kusetschenziswa isikali esilinganisiwe okuyilesi esisetshenziswa ngomama uma bethunga izingubo.. - Njengamanje akusizo izandla ezi-10 kodwa imitha eliodwa 10 amasentimitha ubude. - Abafundi sebengaqhathanisa ubude babo. Ubani omude kakhulu/nomfishane kakhulu ekilasini? <p>Sebenzisa izinto eziphathekayo ezinhlangothi-3-D</p> <ul style="list-style-type: none"> - Umfundsi ulala phans, abanye babeke amabholoki (alingana ngobungako) belandela umzimba wofundi olele. - Uthisha ubanika umyalelo "Yenzani lokho okudana/nokufishanyana kunomgani wakho" 	<p>Izinsiza kufunda ezinconyiwe</p> <p>hadilokulinganisa ubudeitheyiphu yokukala</p> 

Is onto 39		ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	
ISIHLOKO	ISIHLOKO	ISIHLOKO	ISIHLOKO
1.1 Bala izinto	<ul style="list-style-type: none"> Gcizelela ukuoqonda inombolo-10 Ukukhulumwa: ukubala izinto uze ufile e-10 nsukuzonke. Ukubala uya phambili nokubala uye emumva ufile ku-10. Ukubala okusakuhuba-0-10 Gcizelela ukubala ngokwesikhundla; Uthisha upakisha izinto ezi-6 emgqeni Ukhombainto eyodwa ngesikhathi bebala owokuqala, owesibili, owesithathu, owesine oweshlanu... <p>Gcizelela ulwazi “okuningi” no “okumbalwa”. Shaya ihlombe izikhathi ezinlingiIMA Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya ihlombe ka -10. Buza umbuzo ukuthi ihlombe likhale ka”ningi/kambalwa</p> <p>Ukusebenzisa umzimba Yenza abafundi ba; <ul style="list-style-type: none"> - Yisho umlolozelo wezinombolo usebenzisa iminwe emihlanu. - Balailizikhawu lapho uthisha eshaya phezu kwetafula bese bekopisha uthisha - Shaya ihlombe izikhathi ezi-10 - Bala ngaso lesosikhathi ulandela isigqi esithile lapho abafundi behla ngezitebhisi,bagxuma ngonyawo olulodwa ungena uphuma ngesondo.. - Shaya ngonyawo ulandela isigqi esithile. - Abafundi abalishumi bami indilinga nobhasikidi phakathi nendawo baphethe isakana likudlla,abafundi mabaphone isakana lokudlla kubhasikidi bazoqhubeka bephonsa baze bafike e-10. Abafundi ababale bephimisela ngesikhathi bephonsa.Phindia lomsebenzi baze baphone bonke abafundi. </p>	<p>Amanothi Acacisayo</p> <p>Usuku olu-1</p>	<p>Amanothi Acacisayo</p> <p>Usuku olu-1</p>

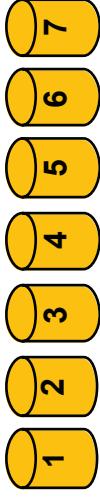
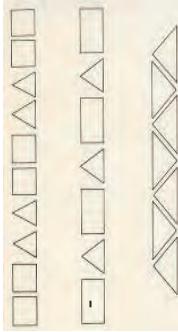
Is onto 39	ISIKHATHI ESINCONYWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo	ISIHLOKO Amanothi Acacisayo
1.1	<p>Bala izinto</p> <p>Ukuhlukana isikilasingamaqembu .</p> <ul style="list-style-type: none"> - Uthisha unika abafundi amaphazili ezinombolo. - Abafundi bathola baphenye zonke izinto ezinhokwenzeka. - Abafundi bajika idayisi okulona elizosinika ukuthi yiyiphi iphasili yezinombolo azokwakha ngayo. <p>Ukwenza amaphazil afaka izinombolo kusuka koku-1 kufike e-10</p>		

Is onto 39	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	
ISIHLOKO	<p>1.13</p> <p>Ukhanganisa nokususa</p> <p>Gcizelela ukubala ngakubili usebenzisa umlolozelo wezinombolo.</p> <p>Ukugxilisa ulwazi “lokuningi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezinungiIMA</p> <p>Shaya ihlombe izikhathi ezimbawla. Uthisha ushaya izandla kube ka-10</p> <p>Buza umbuzo ukuthi yiliphi ihlombe elikhale kaningi /kancane</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha ubiza abafundi aba-5 ngaphambili bese elokhu ebiza ngamunye umfundi kuze kufike ku-10. - Abafundi babala bephimisa. <p>5 no 1→6. (yisho:okuhlanu nokukodwa kwenza isithupha)</p> <p>6 no 1→7.</p> <p>7 no 1→8.</p> <p>8 no 1→9.</p> <p>9 no 1→10.</p> <p>- Uthisha uphindisela abafundi bohlala phansi bebala behlehlha..</p> <p>10 susa 1→9</p> <p>9 susa 1→8</p> <p>10 susa 2→8</p>	<p>ISIHLOKO</p> <p>Amanothi Acacisayo</p> <p>Amaculo nemlolozelo yezinombolo</p> <p>Usuku olu -1</p>
	<p>Ukusebenzisa izinto eziphathekayo ezinhlangothi ntathu-3-D</p> <p>Abafundi bahlala phansi.Umfundi ngamunye uthola-10 izinto zokubala nesivalo seplastiki.</p> <p>Yenza abafundi balandele imiyalo:</p> <ul style="list-style-type: none"> - Pakisha-4 izinto zokubala esivalweni. Yengeza -4. Sekungaki sekukonke? 6 no 4→ 10 - Pakisha -10 izinto zokubala.susa oku-5.Kungaki okusele? 	<p>Umfundidi ngamunye uthola-10izinto zokubala</p> <p>Izivalo zamaplastiki isib. Isivalo sesitska se-ayisikhilim</p>

Isonto 39	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imlizuzu okungenaní (iringi) ± 30 ngosu (okungenaní ka± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo <ul style="list-style-type: none"> - Bala izinto ezingu-8ekhadini lezithombe.uma wengeza ezinye izinto 2-ekhadini lezithombe, sezingaki izinto manje? - 8 no 2 →10. Pakisha inani lezinto zokubala lifane nenombolo - Bala izinto ezi-10 ekhadini lezithombe.Uma umboza izinto-3 zingaki ozibonayo? 10 susa 3→ 7. Pakisha inani lezinto zokubala lifane nenombolo. 	ISIHLOKO Amanothi Acacisayo o <p>Amaflashikhadi ezithombe afaka izinombolo 1-10</p> <p>Izinto zokubala</p>
1.13	Ukhanganisa nokususa	Ukusebenziaizimo noma izithombe ezinhlangothi mbili 2-D <ul style="list-style-type: none"> - Bala izinto ezingu-8ekhadini lezithombe.uma wengeza ezinye izinto 2-ekhadini lezithombe, sezingaki izinto manje? - 8 no 2 →10. Pakisha inani lezinto zokubala lifane nenombolo - Bala izinto ezi-10 ekhadini lezithombe.Uma umboza izinto-3 zingaki ozibonayo? 10 susa 3→ 7. Pakisha inani lezinto zokubala lifane nenombolo. 	Usuku olu-1
1.4	Chaza, qhathanisa bese uhlée izinombolo	<ul style="list-style-type: none"> • Qhathanisa amaqoqo amabili owanikiwe <ul style="list-style-type: none"> - Kuningi kune... - Kuncane kune...(kumbalwa) - Kuyalingana (kuyafana) <p>Ukukhulumá: Ukubala ngezinto ufiike ku-10 nsukuzonke Ukubala uya phambili nokubala uy mumva ufiike ku-10</p> <p>Ukubala usebenzisa umlolozelo namaculo ezingombolo</p> <p>Gcizelela ukubala ngakubiliusebenzisa umlolozelo wezinombolo</p> <p>Gcizelela ulwazi “Iokuningi “no”kumbalwa”</p> <p>Shaya ihlombe izikhathi ezingiIMA</p> <p>Shaya ihlombe izikhathi ezingombala. Uthisha ushaya izandla kuze kubé ka-10</p> <p>Buza umbuzo ukuthi ihlombe elikhale kaningi /mncane</p> <p>Ukusebenzisa umzimba</p> <ul style="list-style-type: none"> - Uthisha ubeka abafundi abayi-6 phakathi nehubhu waphinda wafaka abanye abangu-4 kwenye ihubhu. - Uthisha “uyabuzu”ingabe baningi abafundi,bambalwa noma inani elilinganayo kuyihubhu ngayinye. - Abafundi bakhomba ukuthi yiyphi ihubhu “elinokuningi kune” ne”nokuncane kune” nelinokulinganyo” inani labafundi” 	2 amanuphu

Is onto 39	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo	ISIHLOKO Amanothi Acacisayo
1.4 Chaza, qhathanisa bese uhlea izinombolo	<p>Ukusebenzisa izinto ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Ukubekwa izinto zokubala ezi-10, ezi-6 nezi-4 phezu kwetafula. - Ngaphandle kokubala qagela inombolo yalezzinto zokubala/amabhuloki asetafuleni. - Uthisha uyabuzza "Ingabe izinto zokubala zingaphezu kwezi-7? Ingabe ziyingana, zingaphezu kwe..., zingaphansi kune..., zimbawla kune.:, zanele, azenele - Uthisha uyabuzza "bhеканi izimpendulo zenu ngokubala ngezinto zokubala.Kusondele kangakanani ukuqagela kwakho? <p>Ukusebenzisa izimo nezithombe konhlangothi mbili</p> <ul style="list-style-type: none"> - Uthisha utshengisa amakhadi amabili anamachashazi amanani angafani nezithombe kuwo. - Yenza abafundi basebenzise ulwazi lokuhathanise amakhadi anezithombe namachashazi akubo bese bekhomba "okuningi kuno ..." "kuncane kuno..." "kuyalingana" 	<p>izinto zokubala</p>	<p>Amakhadi amabili anamachashazi nezithombe</p>

Is onto 39	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo	ISIHLOKO Amanothi Acacisayo
3.1	Isikhunda, isimo nokubukeka kuento <ul style="list-style-type: none"> • Gcizelela esokunkxele nesokudla • Ukusebenzisa umzimba <p>Chaza ubudlewano bezinto ezinhlangothi ntáthu ezi 3-D ezimbili noma ngaphezelu nobudlewano bazo</p> <ul style="list-style-type: none"> - Uthisha ubeka izinyawo kwesokunkxele nakwesokudla ikilasi lonke. - Abafundi bayagaqa ngezandla nangamadolo bekunyakazisa kanye kanye. - Bayahamba phezu kwavo endleleni beyogeza izandla.  	<p>Iphepha lezinyawo limakwe “esokunkxele nakwesokudla”</p>	<p>Usuku olu -1</p>

Is onto 39	ISIKHATHI ESINCONYIWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo	ISIHLOKO Amanothi Acacisayo
3.1	<p>Ukusebenzisa izinto ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Uthisha ubeka amathini ayi-7 etafuleni. - Yenza abafundi basho ukuthi yiyphi inombolo engakwesokunxele kunombolo-3,yiyphi inombolo engakwesokudia kwenombolo-6.yiyphi inombolo ephakathi kuka-3 no-6. - Yiyphi inombolo yokuqala neyokugcina.  <p>Amathini anezinombolo.</p>	<p>Ukusebenzisa izinto ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Uthisha ubeka onodoli/nezmoto ezi-3 okulula ukuhlukanisekangokwezingubo nemibala phezu kwetafula. - Uthisha ubuza imibuzo njenga; <ul style="list-style-type: none"> ○ Yimuphi unodoli/imoto engakwesokunxele? ○ Yimuphi unodoli/imoto engakwesokudla ? ○ Yimuphi unodoli/imoto ephakathi nendawo? <p>Onodoli nomu izimoto</p> <p>Ukusebenzisa izimo nomu izithombe ezinhlangothi mbili 2-D</p> <ul style="list-style-type: none"> - Ngesikhathi soBuciko obubonakalayo abafundi benza imidwebo besebebenzisa izanda sokunxele nesokudla. - Sika unamathisele ephepheni elitsihengisa unyawo lwesonxele nelokudla. <p>2.1</p> <ul style="list-style-type: none"> • Ukwenza amaphethini abo <p>Ukusebenzisa izinto ezinhlangothi ntathu 3-D</p> <ul style="list-style-type: none"> - Abafundi bayaqala ukukopisha amaphethini kulawo abawanikiwe. - Ekugcineni abafundi bazozakhela amaphethini abo besi bewachaza. 	<p>Usuku olu -1</p> <p>Izimo namakhadi amaphethini.</p>

Isonto 39	ISIKHATHI ESINCONYWE SOKUFUNDA: Umsebenzi kathisha olungiselelwé uthatha imizuzu okungenani (iringi) ± 30 ngosuku (okungenani ka-± 5 ngesonto)	ISIHLOKO Amanothi Acacisayo	ISIHLOKO Amanothi Acacisayo
2.1 Amaphethini okusazibalo mdwebo	<p>Umsebenzi webhodi lamaphekisi:</p> <p>Yenza abafundi basebenzise kuqala isandla sokudla bese kulanlenda esokunxele, bazosebenzisa izandla zombili ukubeka amaphekisi ebbodini lamaphekisi.</p> <ul style="list-style-type: none"> - Uthisha utshela abafundi ukuthi abekwa kuphi amaphekisi isib. <ul style="list-style-type: none"> o Emgqeni ophezulu. o Emgqeni ophansi. o Ohlangothini langakwesokunxe/e. o Ohlangothini langakwesokudla. o Phakathi nendawo. <p>Yenza abafundi ba:</p> <ul style="list-style-type: none"> - Benza izimo phezu kwebhodi lamaphekisi ngamaphekisi anemibala. - Uthisha uzakhela iphethini elula ngamaphekisi bese abafundi beyikopisha lephethini emab hodini abo. 		

Isonto 40 Ingxene yokuqukethwe	Ukusabenzisa isontolama-40 ukubhekelela ulwazi olusele nezindawo zokufunda ezinenkinga.	Ishloko	Amazinga okuhila
Izinombolo, izimpawu kanye nobudlelwane bazo		1.1 Ukubala izinto	Ukuqagela bese ubala ngokuphimisa uze ufile ku-10 (amaculo nemilozelo yezinombolo nokuthuthukisa ulwazi lwezinombolo)
		1.2 Ukubala izinto	Ukubala uya phambili nokubala uhlile (0-10)
		1.3 Ukubala ngakubili	Ukubala ngakubili (amaculo nemilozelo yezinombolo)
		1.4 Ukwaz iwezinombolo	Ukuqonda ulwazi "lokuningi no"okuncane" (ukushaya ihlombe) Ukuqonda ukuthi ulishaye kangaki ihlombe kaningi/kancane,kaningi ngokuthe xaxa, kancane kakhulu Ukukhomba amakhadi ezithombe zezinombolo namachashazi kusuka-0-10 Ukwazi izimpawu zezinombolo 8, 9, 10 no 0 Ukubona amagama ezinombolo isishiyagalmobili,ishiyagalunye, neshumi no kungekho Ukuqedela ukulandelana okulula kwezinombolo kusuka 1-10 Ukubona nokukhomba izinombolo esimweni esejwayelekile isib, ubudala, irejista ufile ku-10 Ukuqonda isikkundla sezinombolo—owokuqala, owesibili, owesithathu, owesine, owesihlanu, owesithupha
		1.5 Ukwaz iwezinombolo	Ukuqonda isikkundla sezinombolo izinto eziphathekayo Ukuchaza ngamagama imicabango yakhe ngokudweba noma ukusebenzisa izinto eziphathekayo Uku xazulula izinkinga zokuhlanganisa nezokususa ngokukhulum ufake izinombolo ezifinyelela e-10 Ukukopisha,wandise bese wakha awakho amaphethini aialelwayo Ukuqonda umdlalo wesikotshi/ugxa Ukwazi ngolwazi lokuseceleni, phakathi, kwesokudla, kwezokunxe njil, Ukuqonda ulwazi lokuyaphambili nokuhlela, phezulu naphansi, ukuya phezulu nokuya phansi, Isikhundla nesimo (ijyometri)
		1.6 Amaphetini nokuxhumana	Bakwazi ukwakha iphazili enezingxeriye okungenani ezi-24 izingxeny Ukubona nokukhomba indiinga, umxantathu isikwele nonxande Ukubona umugqa ohlukanisa phakathi izinxenye ezimbili zifane nse ezintveni Ukuqokelwa kolwazi
		1.7/1.13 ukuhlanganisa nokususa	Ukuqonda ukuthi nezinto ziyalanganiswa usebenzisa ithephu yokulinganisa
		2.1 Amaphethini okusazibalomdwabo	3..1 Isikhundla, isimo nokubukeka kwento 3.2 izinto ezi 3-D kanye no 3.3 izimo ezi 2-D 3.4 ukuhluksana kufane nse nxazombili
		3.5 Isilinganiso	4.2 Ubude
		4.6 Ukuqokelwa kolwazi	5.1 Ukuqoqa nokuhela izinto 5.3 ukuxoxa nokuthula umbiko ngezinto eziqoqwe zahlewa
			Ukwazi ukupqqa, ukuhlela, ukudweba, ukufunda nokubeka okumele ulwaz (ukuhlaziya)izinto ngokweshioko esisodwa.

INGXENYE YE – 4: UKUHLOLA

4.1 ISINGENISO

Umsebenzi wokuhlola uwuhlelo oluhleliwe oluqhube kayo lokukhomba, ukuqoqa, kanye nokuhumusha ulwazi ngokusebenza kwabafundi, usebenzisa izindlela ezahlukene okubandakanya izinhlobonhlobo zokuhlola. inezinyathelo ezine:

- ukulungiselela nokuqoqa ubufakazi bomphumela,
- ukuhlolwa kobufakazi,
- ukubhala okutholiwe kanye
- Nokusebenzisa lolulwazi ukuqonda okusiza ekuthuthukiseni abafundi ukuze benze kangcono ohlelweni lokufunda nokufundisa.

Ukuhlola kufanele kubengezindlela ezimbili ngokuhleliwe (kuhlolwa ukufunda) kanye nokungahleliwe (kuhlolwa ukufunda).kuko kokubili kufanele abafundi baziswe ngokutholiwe ukwandisa ulwazi lokufunda izibalo.

KumaBanga aphansi amaqhinga asemqoka okuhlola ngokuhlelekile kanye nokungahlelekile ukuhlola ngokubhekwa kwabafundi nguthisha, izingxoxo, isimo ngokwenza kanye nokubhaliwe.

EBangeni R ukuhlolwa kufanele kube ngezingxoxo kanye nokubonisa ngokwenza.

4.2 UHLOLA NGONGAKUHLELEKILE /UKUHLOLA KWANSUKUZONKE

Ukuhlolwa kokufunda kuwuhlelo oluqhube kayo lokuoqa ulwazi ngokuphumelela komfundi.Ukuqhapha inqubekelaphambili yabafundi nsukuzonke kungukuhlola okungahlelekile, lokhu kwenzeka ngokubhekwa kwabafundi nguthisha, izingxoxo, isimo ngokwenza kanye nokuxhumana okungahlelekile kwasekilasini lokhu akufanele kubonwe njengohlelo olwahlukile emisebenzini efundwayo ekilasini. Ukuhlola okungahlelekile kwenza uthisha akwazi ukuqapha inqubekelaphambili yabafundi kanye nezinhlelo zokufundisa zosuku.Ukuhlola okungahlelekile kusetshenziswa:

- ukwaziswa kwabafundi ngokutholiwe
- ukukwazi ukuhlelela ukufundisa

Ngezinye inkathi uthisha angagcina uhla lokubheka abafundi (checklist) azobhala kulo akuthola ngesikhathi ehlola inqubekelaphambili yabafundi, uthisha nabafundi Bangamaka umsebenzi owenziwe.ukuhlola okungahleliwe akuyona ingxenye yokuhlola okuhleliwe.imiphumela yokuhlola okungahlekile okwenziwa nsukuzonke akusetshenziselwa ukuphumelela komfundi.

4.3 UKUHLOLA OKUHLELEKILE

Yonke imisebenzi yokuhlola kuhlelo lonyaka ithathwa njengokuhlola okuhlelekile.umsebenzi wokuhlola ohlelekile umakwa uphinde ubhalwe ngokuhlelekile nguthisha.lusetshenziselwa ukuphumelela nokudluliselwa kwabafundi eBangeni elilandelayo.

Ukuhlola okuhlelekile kunika othisha ulwazi oluzokwenza akwazi ukubona inqubekelaphambili yabafundi ebangeni kanye nasesifundweni.

Uthisha angabheka abafundi abayishumi ngesikhathi ngakho ke umsebenzi wokuhlola okuhlelekile ungenziwa ngamaqoqa amancane, kungathatha izinsuku ezimbalwa ukuhlola iklasi lonke.zonke izinto zokusebenza eziphathekayo kufanele zibekhona njengokujwayelikele, (izinto zokubala eziphathekayo,ishadi lezinombolo njll.)

Ukuhlola okusetshenziswayo kufanele kuhambisane neminyaka kanye nokukhula komfundi.

Ukuhlola kufanele kubhekelele ukukhula kwamazinga okucaBanga namakhono abafundi.ukwakhiwa kwalomsebenzi wokuhlola kufanele kufake ulwazi olufundiwe ngezindlela ezahlukene.

Izinhlobo ezahlukene zokuhlola (ukubhekwa kwabafundi, izingxoxo, okwenziwayo kanye nokubhalwayo) kufanele inike umfundu ithuba lokukhombisa angakwazi ukukwenza, abanye abafundi bakhombisa ukwazi ngezindlela ezahlukene.lsib.

- abanye abafundi abakuthola kulukhuni ukufunda bayazazi izibalo
- Abanye abafundi Bangaba ngaphansi kwezinga elilindelekile lokukhula ngolimi lokufunda nokufundisa.

Umsebenzi wokuhlawa awube izibalo ezingancikile olimini nasekufundeni.

Uthisha makaqonde ukuthi yini okuhlolwayo .ulwazi lwezibalo namakhono angahlolwa ngezindlela ezahlukene. izinhlobo ezahlukene zokuhlola zilungele ulwazi namakhono kwizihloko ezahlukene ngokweminyaka ehlukene yabafundi.kuyasiza ukusebenzisa uhlu lokubheka ukusebenza kwabafundi ukubona ukukhula kwabo olwazini lwezibalo emaBangeni aphansi.iRubric ingasetshenziswa ukuhlola amakhono abafundi ekuxazululeni izinkinga zezibalo.

4.4 UHLELO LOKUHLOLA UKUHLOLA OKUHLELEKILE

Ukuhlola okuhlelekile kwezibalo kufaka ngaphezu kwesihloko esisodwa ezibalweni;kufanele onyakeni kufanele ufake lonke ulwazi lwezibalo nezihloko,akuyikho konke okufakiwe kuhlelo lwezifundo okuhlolwa ngokuhlelekile noma kubhalwe ngokuhlelekile.Izonombolo ukusebenza nobudlelwano kuthatha ama-60% wezibalo emaBangeni 1-3. ama-60% ukuhlolwa okuhlelekile kwiThemu ngayinye kunyaka wonke kufanele ugxile kwi-zinombolo ukusebenza nobudlelwano.

Ingxenyne ngayinye yokuhlola okuhlelekile ayizimeli emsebenzini ohlolwayo.ezinye izingxenyne zihlolwa kanyekanye kanti ezinye zingahlolwa ngezikhathi ezihlukene lsib. amakhono okubala ngokweqa izinombolo angenziwa kanye nokunye kulomsebenzi:

- Ukuqedelela ukubala ngokulandelana
- Ukufunda nokubhala izimpawu zezinombol
- ukubala

Ukuhlola okuhlelekile okunezibalo zokuxazulula izinkinga ngokwenza amaqoqo noma ngokwabelana nokuhlola ukukwazi ukukala umthamo kungenziwa ngezikhathi ezihlukene.

4.5 UKUBHALA NOKUBIKA NGOKUSEBENZA KWABAFUNDI

Ukubhala ngokusebenza kwabafundi kuyindlela uthisha agcina ngayo ulwazi lwezinga umfundu akulo kulowo msebenzi ohleliwe.lolulwazi luveza ulwazi lokusebenza komfundi ukufika ezingeni olubekwe kwi CAPS .ulwazi ngokusebenza komfundi malunike ubufakazi bokukhula komfundi kuleloBanga akulo nokuholela ekudluleleni eBangeni elilandelayo ulwazi olubhalwe ngokusebenza komfundi lungasiza ukuveza inqubekelaphambili ekufundeni nasekufundiseni.

Ukubika ngokusebenza komfundi kuwuhlelo olwazisa abafundi, abazali, isikole nabaxhasi ngenqubekelaphambili yokusebenza kwabafundi, lokhu kungabikwa ngezindlela ezahlukene ezingafaka irephothi lokusebenza komfundi,imihlangano yabajalani,jll.othisha kumaBanga onke parephotha ngamaphesenti kuzozonke izifundo. Ithebula elingeza libonisa ubungako bamaphesenti ,amazinga kanye nezincazelo zawo:

Amazinga namaphesenti abhalwayo ukubika ukusebenza komfundi

UPHAWU LOKULINGANISA	INCAZELOYOKUQHUBA KOMFUNDI	IPHESENTI
7	Umphumela ovelele	80 – 100
6	Umphumela oncomekayo	70 – 79
5	Umphumela osezingeni elanelisayo	60 – 69
4	Umphumela ogculisayo	50 – 59
3	Umphumela olingene	40 – 49
2	Umphumela ongagculisi	30 – 39
1	Umphumela ongalungile	0 - 29

4.6 JIKELELE

Losomqulu mawufundwe uhlanganiswe nalokhu okulandelayo:

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 IZIBONELO ZOHLA LOKUBHEKA UKUHLOLWA OKUHLELIWE KWEBANGA R

Izibonelo zohla lokuhlolola ezinikeziwe ngezansi zeBanga R. Inhoso ukusiza othisha ukuhlelela nokusebenzia ukuhlolola okuhleliwe ngendlela eqhubekayo.

IBanga R				
Uhla lokubheka ukuhlolwa kukaThemu 1				
Ingxenye yokuqukethwe	Ulwazi	Izinto ezibhekwayo	✓ noma x	Umbiko
Izinombolo, izimpawu nobudlelwano bazo	ukubala	Qagela bese kubalwa sakuhuba kufinyelele koku-5 (amaculo ezinombolo nemilolozelo kufakwe ekuthuthukisweni kolwazi lwezinombolo)		
	Ukubona izinombolo	Ukbona izinombolo esimweni esejwayelekile isib. Irejista		
		Ukuqonda izinombolo ezisho isikhundla (isib. Ngesikhathi sokuya endlini yangasese)		
	Umqondo wezinombolo	Ukuqonda okukodwa -nokukodwa –okuhambisanyo (ishadi labasizi ngesikhathi sezidlo ezilula)		
	Ukukhomba uchaze izinombolo eziphelele	Ukubona izithombe zezinombolo namakhadi amachashazi afaka inombolo ukunye		
		Ukwazi uphawu lenombolo 1		
		Ukubona igama lenombolo kunye		
	Ukuxazulula izinkinga	Ukusebenza kwezinto eziphathekayo		
		Ukuchaza imicabango ngamagama nangezithombe noma izinto eziphathekayo		
Amaphethini nokuxhumana	Kopisha, wandise bese wakha amaphethini angawakho	Ukubona amaphethini kokusizungezile		
		Ukukopisha , ukwandisa ,nokwakha amaphethini angawakho		

IBanga R				
Uhla lokubheka ukuhlolwa kuka Themu 1				
Ingxenye yokuqukethwe	Ulwazi	Izinto ezibhekwayo	✓ noma x	Umbiko
Isikhundla nesimo (ijiyometri)	Ukubona , ukukhomba nokusho izinto ezi-3-D	Ukubona , ukukhomba nokusho amabhola		
		Ukubona, ukukhomba nokusho amabhokisi		
	Ukubona, ukukhomba nokusho izimo/ nezithombe ezi 2-D	Ukubona, ukukhomba nokusho izimpawu ezingezakho , izimpawu zaBangani nezabafundi afunda nabo		
		Ukwakha okungenani iphazile yezingcezu ezi-6		
		Ukukhombisa ukukwazi ukuhlukanisa phakathi kwezinto "ezisobala nezizungezile esithombeni"		
	Izimo IJIYOMETRI	Ukukhomba nokubona indilinga		
		Ukukhomba nokubona unxantathu		
	Chaza, uhlele besse uqhathanisa izinto ezi 3-D ngokwe:	Ukukhombanokubona isikwele		
		Qhathanisa ikuphi ezintweni ezimbili eziqoqelwe ndawonye ezinkudlwana, ezincanyana, ezinkulu kakhulu, nezincane kakhulu		
		Hlela izinto ngo:		
		Bungako - okukhulu no kuncane,		
		Umbala – imibala eyisisekelo (obomvu, ophuzi, noluuhlaza okwesibhakabhaka)		
		Izimo – indilinga, unxantathu, nesikwele		
		Izinto ezigingqikayo		
		Izinto ezishibilikeyo		
		Ukubona umugqa ohlukanisa izinhlangothi kibili kufane nse kuwena		
	Ubudlelwane besikhundla: Isikhundla sezinto ezimbili noma ngaphezulu ngokuxhumana nomfundni	Ukwazi ngaphambili/ngemumva		
		Ukwazi ngaphezu kwe, phezulu, ngaphansi, ngezansi		
		Ukwazi ngaphakathi, ngaphandle		
		Ukwazi phezulu, phansi		
	Inkomba	Ukuqonda ulwazi: ukuya phambili, ukuya emumva, phambili, emumva		
Isilinganiso	Isikhathi	Ukusebenzisa amagama anjenge usuku, ubusuku,ukukhanya, nobumnyama,ntambama, ukuchaza izikhathi zosuku		
		Ukuhlela izehlakalo eziqhubekeyo empilweni yansukuzonke (uhlaka lwansukuzonke)		
		Ukukhombisa ukupaphela izinsuku zesonto, izikhathi zonyaka, nesimo sezulu		
		Ukwazi usuku lokuzalwal lwakho		
	Ubude	Ukuhlukanisa phakathi kokude, ukujana, okude kakhulu, okufishane, okufishanyana, okufishane kakhulu (ishadi lokulinganisa ubude)		
Ukuqokelelwa kolwazi	Qoqa, uhlele, udwebe, ufunde ukhombise ulwazi	Ukukwazi ukuqoqa, ukuhlela, ukudweba,ukufunda nokuveza (ukuhumusha) izinto ngendlela eyodwa ezakheke ngayo		

AMAPHUZU OKUGCINA:

IZIBALO IBANGA R

IBANGA R				
UHLA LOKUBHEKA UKUHLOLWA KUKATHEMU 2				
Ulwazi Lwezinombolo	Ulwazi	Izinqumo	✓ noma x	Uku-phawula
Izinombolo, izimpawu nobudlelwano bazo	Ukubala	Qagela, ubale sakuhuba kuyofika ku 7 (cula, isho imilolozelo)		
		Bala uya phambili ubuye uhlehole (1 – 4)		
		Ukwazi ulwazi lwamagama njenga okuningi / okungconywana.		
	Ukubona Izinombolo	Ukubona izinombolo ezimweni ezejwayelekile njenge nombolo yendlu, ikheli.		
	Ukubona bese Uchaza Izinombolo eziphelele	Khomba, izithombe zezinombolo namakhadi amachashaza		
		Ukwazi izimpawu zezinombolo 1, 2, 3 ,4		
		Bona amagama ezinombolo		
	Ulwazi Lwezinombolo	Uyakwazi ukbeka okunye nokunye ngokuqondana		
		Hlukanisa phakathi kokuningi, okuncane okuingcosana		
		Ukubona umehluko kwimali ewuhlweza		
	Ukuxazulula Izinkinga Zezinombolo	Sebenzisa izinto eziphathetkayo		
		Chaza ngamagama noma ngemidwebo		
		Xazulula izinkinga zezibalo ngokukhuluma ezokuhlanganisa nokususa kufika kunombolo 4.		
Amaphethini nokuxhumana	Ukukopela, uqhube, wakhe amaphethini	Kopela, qhuba bese wakha amaphethini usebsnzisa izinto, izimo nemali.		
Isikhundla nesimo (ijiyometri)	Ukubona, ukhombe, bes unika igama lezimo ezinhlangothimbili	Akha iphazili elinezingcezu eziyi 12		
		Khombisa ikhono lokuhluhanisa phakathi kwezinto eziphambili nezingemuva esithombeni.		
	Izimo ezibalombhalo	Bona, khomba bese usho igama likanxantathu		
		Ubona umumo kanxantathu		
		Qhathanisa amaqoqo ezinto amabili usho ukuthi yiziphi ezinde noma ezimfushane		
		Hlela izinto ngezimo - yinde/imfushane		
		imibala		
		izimo		
	Akha izimo ezinh- langothintathu	Sebenzisa amabhluloki		
	Bona umugqa ohlukanisa kabilu kulingane kufane	Bona umugqa ohlukanisa kabilu kulingane futhi kufane ezintweni eziseduze nawe		
		Uyakwazi ukusebenza kwizinhlangothi zombili		
	Ubudlelwano nendawo okuyo	Ukuqonda ubudlelwano phakathi komfundi nezinto ezimbili noma ezintathu		
Isilinganiso	Isikhathi	Uyazi izinsuku zeviki,izikhayhi zonyaka njll – imilolozelo namaculo		
		Uyalwazi usuku lwakhe lokuzalwa (phinda uhlole)		
	Ubude	Uyazi umehluko kokkude nokufushane		
Ukuqokelelwa kolwazi	Qoqa, hlela,dweba,funda bese ubhla izinto ezimela ulwazi	Qoqa ,hlela , dweba, funda beseudweba okumele ulwazi		

ISILINGANISO SOKUGCINA:

IBANGA R
UHLA LOKUBHEKA UKUHLOLWA KUKATHEMU 3

Ulwazi Iwezbalo	Ulwazi	Izinqumo	✓ noma x	Phawula
Izinombolo, izimpawu nobudlelwano bazo	ukubala	Qagela bese ubala sakuhuba ufiike ku- 7 (amaculo ezinombolo nemilolozelo) ukuze athuthuise ulwazi Iwezinombolo		
		Bala uya emuva naphambili (1-7)		
		Bazi ukuthi ihlombe ulishaye kangaki kakhlulu /kancane		
	Ukubona izinombolo	Babona izinombolo esimeni esijwayelekile isib.iminyaka, irejista (uhlole njalo)		
	Thola bese uzichaza izinombolo	Thola izithombe zezinombolo namakhadi anamachashaza ufike ku- 7		
		Yazi izimpawu zezinombolo - 5, 6, 7		
		Bona amagama ezinombolo –kuhlanu, isithupha, isikhombisa		
	Ulwazi Iwezinombolo	Hlukanisa phakathi kokuningi, okuyimbijana, nokulinganayo, o kuningi nokumbalwa ufiike- 7		
		Bona imibala nezinhlobo zezilwane emalini engamaphepha yase Mzansi.		
	Ukuxazulula izinkinga	Sebenzisa izinto eziphathekayo Chaza ngendlela ocaBanga ngayo ngamagama, nangokudweba noma ngezinto eziphathekayo. Xazulula izinkinga zokuhlanganisa nokususa ngomlomo ufike ku- 7		
Amaphethini nokuxhumana	Kopisha qhuba bese uzakhela awakho amaphethini	Kopisha ,uqhube bese uzakhela awakho amaphethini usebenzisa izithombe		
Isikhundla nesimo (ijiyometri)	Buka uthole bese ubize onhlangothimbili- 2-D izimo/ izithombe	Yakha okungenani izingcezu eziyi-18 zephazili		
	Izimo ezsazibalo mdwebo	Bona ,uthole bese usho izimo eziyisikwele.		
		Qonda isimo sezimo ezejwayelekile esezfundiwe kuze kube manje (ukugcina ismo singashintshile)		
	Yakha izinto ezinh- langothintathu 3-D usebenzisa izinto eziphathekayo	Yakha izimo ezintweni nangezibonelo ozinikiwe		
		Kopisha isakhiwoemdwebeni osekhadini		
	Ubudlelwano bendawo	Bona ubudlelwano phakathi kwezinto ezimbili noma eziningi nokuthi zihlobene kanjani		
		Ngaphambili, ngemuva, ngaphezulu, phezulu, phansi, ngapha nsi, ecelelni phakathi kwesokudla kwesokunxele		
		Yenza ngokulandela imiyalo ebhodini lokugaxa		
	Izinkomba	Yazi izindlela ezehlukene ngokulandela ishadi lemicibisholo		
Isilinganiso	Ubude	Qagela bese ukala ubude bezinto ezehlukene		
	Isisindo	Qonda ngalolulwazi okulula, okunzima, kusinda kakhlulu kusinda kancane, kulula kancane kulula kakhlulu		
	Umthamo	Qonda lolulwazi kugcwele, akukho, kugcwele kuno, kuncane kune”		
Ukuqokelelwa kolwazi	Qoqa uhlele, udwebe, ufunde uyayithula	Bakwazi ukuqoqa bahlele, badwebe, bafunde bese bethula lololwazi ngokulihlaziya ngokwesihloko leso		

ISILINGANISO SOKUGCINA:

IZIBALO IBANGA R

IBANGA R				
UHLA LOKUBHEKA UKUHLOLWA KUKATHEMU 4				
Ulwazi Iwezibalo	Ulwazi	Izinqumo	✓ noma x	Uku- phawu- la
Izinombolo, izimpawu nobudlelwano bazo	Ukubala	Qagela uphinde ubale sakuhuba kufinyelela eziyi-5(amaculo ezinombolo,kanye nemilolozelo ukuthuthukisa ulwazi Iwezinombolo)		
		Bala uye emuva kanye naphambili (1-10)		
		Bala ngakubili (imilolozelo kanye namaculo ezinombolo)		
		Ukuqonda amagama afana:nokuningi kanye nokuncane(kushaywa izandla)		
		Ukuqonda izinombolo kushaywa izandla kaningana nakancane kakhulu.		
	Ukubona izinombolo	Ukubona bese ukhomba izinombol ezimweni ejijwayelekile. Isib.iminyaka yabafundi njll.		
	Ulwazi Iwezinombolo Khomba bese uchaza izinamba eziphelele	Khomba izithombe zezinombolo kanye namakhadi amachashaza afaka inombolo kusuka ke-0-10		
		Yazi uphawu lwenombolo eyesi-8,9,10 kanye no-0		
		Bona igama lenombolo eyesi-8,9,10 kanye no-0		
		Qedela ukulandelana kwezinombolo ezelula kusuka kwuyo-1-10		
	Ulwazi Iwezinombolo	Hlukanisa phakathi kokuningi,okuncane,okulinganayo,okuni ngi kakhulu,nokuncane kakhulu kuyofika kokuyi-10		
		Ukukwazi ukulandelana kwezinombolo ejijwayelekile okoku qala,okwesibili,okwesithathu kuyofika kokuyisithupha.		
	Ukuxazulula izinkinga zezibalo	Sebenzisa izinto eziphathekayo Chaza ukucaBanga kwakho ngamagama nangemidwebo noma ngezinto eziphathekayo Xazulula izinginkinga zokuhlanganisa nokususa ubebezisa izinombol kufinyelela e-10		
Amaphethini nokuxhumana	Kopela, wandise ubuye wenze awakho amaphethini.	Kopela,wandise wenze amaphethini alalelwayo Ukwazi ukudlala umdlalo (gxa)		
	Bona,ukhombe,usho amagama ezinto ezinhlangothimbili	Ukukwazi ukwenza okungenani ngezingcezu ezingama-24		
Isikhundla nesimo (ijiyometri)	Izimo ezisazibalomdwebo	Ukubona akhombe indilinga,unxantathu,isikwele nonxande.		
	Bona umugqa ohlukanisa kabili kufane nse nhlangothi zombili:	Bona umugqa ohlukanisa phakathi okufana nse nxazombili ezintweni		
	Ubudlelwano phakathi kwezinto	Ukwazi ulwazi lwamagama eduze kwe,phakathi namaphakathi,kwesokunxele kanye nesokudla.		
		Ukukwazi ukwenza umsebenzi oseqophelweni eliphezulu kwibhodi lokugaxa.		
	Izinkomba	Ukwazi ulwazi lwamagama afana ngaphambili,ngemuva ,phezulu naphansi,kwesokunxele kanye nesokudla.		
Isilinganiso	Ubude	Ukuqonda ukuthi izinto ziyakalwa kusetshenziswa ibhande lokukala.		
Ukuqokelelwano kolwazi	Qoqa, hlela, dweba, funda bese ubhala okumele ulwazi oluquo- qiwe	Ukukwazi ukuqoqa, uhle,udwebe,ufunde ,uhlaziye izinto ngokwesakhiwo esisodwa.		

ISILINGANISO SOKUGCINA:

