

ISINDEBELE 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



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Basic Education
REPUBLIC OF SOUTH AFRICA

ISITATIMENDE SOMGOMO WEKHARIKYULAMU NOKUHLOLA

GREYIDI R

IIMBALO

CAPS

IIMBALO ZEGREYIDI R

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FOREWORD BY THE MINISTER



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

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

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

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

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

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ISIGABA 1: ISINGENISO BEGODU NESENDLALELO

1.1 ISENDLALELO

IsiTatimende seKharikhyulamu yeliZweloke amaGreyidi R-12 (TKZ) sendlala umgomo wekharikhyulamu nokuHlola emkhakheni wezokufunda.

Ukuthuthukisa ukusetjenziswa kwawo, isiTatimende seKharikhyulamu yeliZweloke satjhugululwa, amatjhuguluko la azokuthoma ukusetjenziswa ngenyanga kaTjhirkweni ngomnyaka we-2012. Enziwa umtlolo owodwa opheleleko womThetho-kambiso weKharikhyulamu nokuHlola esifundweni ngasinye ukujamiselela iinTatimende zeemFundo, imiHlahlandlela yamaHlelo wokuFundo begodu nemihlahlandlela yokuHlola iimFundo emaGreyidi ni R-12 .

1.2 UMBONO-MAZOMBE

- (a) *IsiTatimende seKharikhyulamu yeliZweloke seGreyidi R-12* (Sango Tjhirkweni we-2012) sijamele Isitatimende somThetho-kambiso wesitatimende sokufunda nokufundisa eenkolweni zeSewula Afrika begodu simumethe okulandelako:
 - (i) linTatimende zomThetho-kambiso weKharikhyulamu nokuHlola zaleso naleso sifundo sesikolo esiphasisweko
 - (ii) Umtlolo womThetho-kambiso, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R-12 ; begodu no*
 - (iii) Mtlolo womThetho-kambiso, *National Protocol for Assessment Grades R-12 (Tjhirkweni 2012)*
- (b) *IsiTatimende seKharikhyulamu yeliZweloke samaGreyidi R-12* (kaTjhirkweni 2011 sijamiselela iintatimende zekharikhyulamu zelizweloke ezimbili zanje, ezibizwa
 - (i) *Isitatimende seKarikhyulamu esiBuyekeziweko amaGreyidi R-9, Government Gazette No. 23406 yamhlana ama-31 Mrhayili 2002, begodu ne-*
 - (ii) *Isitatimende seKarikhyulamu seLizwe Loke amaGreyidi 10-12 Government Gazettes, No. 25545 yamhlana amalanga asi-6 October 2003 and No. 27594 yangomhla we-17 kuMrhayili 2005.*
- (c) Intatimende zekharikhyulamu yelizweloke eziseengatjaneni b(i) no (ii) ngehla, zimumethe imitlolo yemithetho-kambiso elandelako esuswe beyajanyiselewa *siTatimende seKharikhyulamu yeliZweloke samaGreyidi 10-12 (Tjhirkweni 2012)* ngesikhathi seminyaka we-2012-2014.
 - (i) linTatimende zeemFundo, imiHlahlandlela yamaHlelo wokuFundo begodu nemihlahlandlela yokuHlola iimFundo emaGreyidi ni R-9 nemaGreyidi ni 10-12 ;
 - (ii) Umtlolo womthetho-kambiso, *National Policy on assessment and qualifications for schools in the General Education and Training Band*, egadangiswe kuGovernment Notice No. 124 ku Government Gazette No. 29626 yamhlana amalanga ali- 12 kuMhlolanja 2007;
 - (iii) Umtlolo womthetho-kambiso, *National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, egadangiswe kuGovernment Gazette No.27819 yamhlana amalanga ama- 20 kuVelabahlinze 2005;

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- (iv) Umtlolo womthetho-kambiso, *i-addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF), regarding learners with special needs, owagadangiswa kuGovernment Gazette, No.29466 yamhlana amalanga ali-11 kuNobayeni 2006, ungeniswe emtlolweni womthetho-kambiso, iNational policy pertaining to the programme and promotion requirements of the National Curriculum Statement emaGreyidini R-12 ; begodu*
- (v) Umtlolo womthetho-kambiso, *i-addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF), regarding the National Protocol for Assessment (ema Greyidini R-12), egadangiswe kuGovernment Notice No.1267 kuGovernment Gazette No. 29467 yamhlana amalanga ali-11 kuNobayeni 2006.*
- (d) Umtlolo womthetho-kambiso, *iNational policy pertaining to the programme and promotion requirements of the Isitatinende seKharikhyulamu yeLizwe loke amaGreyidi R-12 , begodu neengaba zesiTatimende somThetho-kambiso weKharikhyulamu nokuHlola njengombana zifakwe ezahlukweni 2, 3 begodu 4 zomtlolo lo ezipathelene nemikghwa namazinga weNational Curriculum Statement Grades R-12 . Ngakhoke, ngokuya ngokwesection 6A ye South African Schools Act, 1996 (Act No. 84 of 1996,) yakha isendlalelo sokobana uNgqongqotjhe weFundo esiSekelo abonelele isiliganiso samazinga nemiphumela kanye nekambiso yokuhlola umsebenzi womntwana bona ibe khona eenkolweni zomphakathi nezizijameleko.*

1.3 IMINQOPHO EVAMILEKO YEKHARIKYULAMU YESEWULA AFRIKA

- (a) *IsiTatinende seKharikhyulamu yeliZweloche samaGreyidi R-12 sethula lokho okungathathwa njengelwazi, amakghono namagugu okumele kufundwe eenkolweni zeSewula Afrika. Ikharihyulamu le inqophe ukuqinisekisa bonyana abantwana bazuza bebasebenzise ilwazi namakghono ngeendlela ezizwisedako emaphilweni wabo. Ngalokho, ikharikhyulamu ithuthukisa umqondo wokubuthelela ilwazi ebujameni bendawo leyo, ngesikhathi atjheja ukukateleka eembopweni zephasi.*
- (b) *IsiTatinende seKharikhyulamu yeliZweloche amaGreyidi R-12 sifeza iminqopho yoku:*
- hlomisa abafundi, ngaphandle kokutjheja ibhoduluko lezokuhlalisana-nezomnotho, ubulili, ikghono lezomzimba nofana lezengqondo, amakghono namagugu adingekako ukuzanelisa, begodu nokuzibandakanya okuzwisisekako emphakathini njengabahlali benarha etjhaphulukileko;
 - ukwenza ifundo yamazinga aphezulu ifinyeleleke;
 - ukwenza kube lula bonyana abafundi basuke emazikweni wezfundo baye emisebenzini; begodu
 - kunikela abaqatjhi ngephrofayili eyaneleko yamakghono womfundu.
- (c) *IsiTatinende seKharikhyulamu yeliZweloche samaGreyidi R-12 sisekelwe eenkambisweni ezilandelako:*
- Ukutjhuguluka kwezokuhlalisana : ukuqinisekisa bonyana ukungalingani kezefundo kwesikhathi esidlulileko kwalungiswa nokuthi amathuba alinganako wezfundo anikelwe zoke iingaba zesintu.
 - Ukufunda ngomdlandla nangelihlo elihlabako : ukukhuthaza indlela yokufunda ngelihlo elihlabako nelinomdlandla, kunokobana kufundwe amaqiniso anikelweko ngehloko ngaphandle kokuwahlaba.
 - Ilwazi namakghono asezingeni eliphakamileko : iimfuneko ezimbalwa zelwazi namakghono okufanele zifunyanwe kileyo naleyogreyidi, zibekiwe begodu zibekwe amazingeni aphakamileko, afunyanekako kizo zoke iimfundu.
 - Ukuragela phambili : okumumethweko nobujamo baleyo naley greyidi kutjengisa ukuragela phambili ukusukela kokulula ukuya kokubudisi.

- (d) Amalungelo wobuntu, ukufaka koke, ubulungiswa bezebhoduluko nokuhalisana :ukufaka imigomo yobulungiswa kezokuhalisana, kezebhoduluko begodu namalungelo wabantu njengombana kuhlathululiwe kumThetho-sisekelo weSewula Afrika. IsiTatimende seKharikhyulamu yeliZweloke amaGreyidi 10-12 itjhetjha khulu izinto ezifana nokutlhaga, ukungafani, ukungalingani, ubuhlanga, ilimi, iminyaka, abaphila nokukhubazeka begodu namanye amatshwayo.
- Ukukarekela amahlelo welwazi lobugugu bendabuko : ukuthabela umlando onothileko wenarha namagugu wenarha le njengezinto eziqakathekileko ukunothisa amagugu amumethwe emThethweni-sisekelo ; begodu
 - Ukuthembeka, ikhwalithi nekghono : ukunikela ifundo emadanisekako ngekhwalithi, ububanzi nangokudepha kwefundo yakezinye iinarha.
- (e) IsiTatimende seKharikhyulamu yeliZweloke amaGreyidi R-12 singophe ukukhiqiza abafundi abawkazi uku:
- bona nokurarulula imiraro nokuthatha iinqunto kusetjenzisa ukucabanga ngelihlo elibukhali nelokuzitlamela ;
 - sebenzisana ngepumelelo nabanye njengamalunga wesiqhema ;
 - hlela nokuziphatha begodu nokuphatha imisebenzi yabo ngokuziphendulela nangepumelelo ;
 - buthelela, ukutsenga, ukuhlela bese bahlaziya ilwazi ngelihlo lokuhlabo ;
 - khulumisana ngepumelelo basebenzisa amakghono wokubonwako/ wokubukelwako, wamatshwayo begodu /nanyana welimi ngeendlela ezinengi sebenzisa isayensi netekhnoloji ngepumelelo batjengise, ngelihlo lokuhlabo, nokuziphendulela manqophana nebhodulukweni neempilo zabanye; noku
 - Tjengisa ukuzwisisa iphasi bonyana linamahlelo anetjhebiswano ngokuyeleta bonyana ukurarulula imiraro akwenzeki kukodwa ngeqadi.
- (f) Ukuhlanganisa imihlobo ehlukahlukene ko yabafundi kufanele kube mgogodiha womkhandlu, wokuhlela begodu nokufundisa kiles o naleso sikolo. Lokhu kungenzeka kwaphela nange boke abotitjhere banokuzwisisa okuhluze kileko bokobana iinqabo zokufunda zingalemukwa bezilungiswe bunjani,begodu ukuhlanganisa kungahlelwa bunjani

Okuqakathekileko ngokuhlanganisa imihlobo ehlukahlukene ko yabafundi kuqinisekisa bonyana iinqabo ziyanbonwa bezitjhejwa ngiyo yoke imikhandlu efaneleko ehlangana nomphakathi wesikolo, okufaka hlangana abotitjhere, iinQhema eziSekelako eziNzinze kumaDistrigi, iinQhema eziSekelako eziseZingeni leenHlangano, ababelethi neenKolo eziKhethkileko njengeendawo zemiThombo. Ukulungisa iinqabo ngetlasini, abotitjhere bafanele basebenzise amaqhingga amanengi wekharikhyulamu afana nalawo afakwe ku- *Guidelines for Inclusive Teaching and Learning (2010)* yoMnyango weFundo Sisekelo

IIMBALO ZEGREYIDI R

1.4 UKWABIWA KWESIKHATHI

1.4.1 isiGaba esisiSekelo

- (a) Isikhathi sokufundisa esiGabeni-esisiSekelo sitjengisiwe ngenzasi:

ISIFUNDO	IGREYIDI R (AMA-IRI)	AMAGREYIDI 1-2 (AMA-IRI)	IGREYIDI 3 (AMA-IRI)
ILimi leKhaya	10	7/8	7/8
ILimi lokuThoma lokwEngeza		2/3	3/4
limBalo	7	7	7
AmaKghono wePilo	6	6	7
• ILwazi lokuThoma	(1)	(1)	(2)
• UbuKghwari bokuTlama	(2)	(2)	(2)
• IsiFundu sokuziThabulula	(2)	(2)	(2)
• UbuYena nokuHialisana komuntu qobo lakhe	(1)	(1)	(1)
INANI	23	23	25

- (b) Isikhathi sokufundisa samaGreyidi R, 1 no 2 ma-iri ama-23 begodu seGreyidi lesi-3 ma- iri ama- 25.
- (c) Ama-iri alitjhumi abelwe amalimi emaGreyidini R-2. Begodu ama-iri ali-11 eGreyidini lesi-3. ILimi lekhaya labelwe ubunengi bama-iri abu-8 nobuncani bama-iri ali-7 begodu iLimi lokuthoma lokwEngeza labelwe ubuncani bama-iri ama-2 nobukhulu bama-iri ama-3 emaGreyidini 1-2 .ILimi lekhaya eGreyidini lesi- 3 labelwe ubunengi bama-iri- abu-8 nobuncani bama-iri ali-7 begodu ilimi lokuthoma lokwEngeza labelwe ubuncani bama-iri ama-3 nobunengi bama-iri ama-4
- (d) Kumakghono wePilo iLwazi Lokuthoma labelwe i-iri 1 emaGreyidini R-2 nama -iri ama-2 njengombana kutjengiswe ngeembayaneni zeGreyidini lesi-3

1.4.2 isiGaba esiPhakathi

- (a) Isikhathi sokufundisa esiGabeni-esiPhakathi sitjengisiwe ngenzasi:

ISIFUNDO	AMA-IRI
ILimi leKhaya	6
ILimi lokuThoma lokwEngeza	5
limBalo	6
ISayensi Yemvelo neTheknoloji	3,5
ISayensi yokuHialisana	3
AmaKghono wePilo	4
• UbuKghwari bokuTlama	(1,5)
• IsiFundu sokuziThabulula	(1)
• UbuYena nokuHialisana komuntu qobo lakhe	(1,5)
INANI	27,5

1.4.3 isiGaba esiPhakemeko

- (a) Isikhathi sokufundisa esiGabeni-esiPhakemeko sitjengisiwe ngenzasi:

ISIFUNDO	AMA-IRI
ILimi leKhaya	5
ILimi lokuThoma lokwEngeza	4
limBalo	4,5
ISayensi yeMvelo	3
ISayensi yokuHalisana	3
ITheknoloji	2
ISayensi yezomNotho nokuPhatha	2
UkuziJayeza zePilo	2
UbuKghwari bokuTlama	2
INANI	27,5

1.4.4 AmaGreyidi 10 - 12

- (a) Isikhathi sokufundisa emaGreyidini 10-12 sitjengisiwe ngenzasi

ISIFUNDO	ISIKHATHI ESABIWEKO NGEVEKE (AMA-IRI)
ILimi leKhaya	4.5
ILimi LokuThoma lokwengEza	4.5
limBalo	4.5
UkuziJayeza zePilo	2
Ubuncani bananyana ngiziphi iimfundo ezintathu ezikhethwe esiQhemeni B i-Anekstjha B, Amathebulu B1-B8 yomtlolo womthetho-kambiso, iNational policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R-12 , enqotjhiswe esigabeni 28 somtlolo womthetho- kambiso onikelweko..	12 (3x4ama-iri)
INANI	27,5

Isikhathi esabiweko ngeveke singasetjenziselwa kwaphela ubuncani obufunwa ziimfundo zesiTatimende seKharikhyulamu yeliZweloze zamaGreyidi R-12 (TKZ) njengombana ziveziwe ngehla, begodu angeze zasetjenziselwa nanyana ngiziphi iimfundo zokungezelela ezingezelelwe erhelweni leemfundo. Lokha umfundi nakafuna ukungezelela iimfundo, isikhathi esingezelelweko kufanele sabelwe ukufundisa imfundo lezo.

ISIGABA 2: IHLATHULULO, IMINQOPHO, AMAKGHONO NOKUMUMETHWEKO

2.1 ISINGENISO

Esahlukweni sesi 2, esiGabeni esisiSekelo isitativende somgomo wekharikhyulamu yezweloke yokuhlola iimbalo inikela abotijhere ihlathululo yeembalo imigomo ethile, amakghono athile, iminqopho yokumumethweko, isisindo sokumumethweko, iinsetjenziswa ezitjhukumeziweko zesifundo seembalo eemfundweni zesiGaba esisiSekelo, imihlahlandela ezitjhukumeziweko yokusekela abafundi abaneenqabo zokufunda iimbalo, iimbalo zehloko nokuthuthukisa ukufundisa amakghono wolwazi lokubala Iwangaphambili ngeGreyidini R.

2.2 ZIYINI IIMBALO?

Iimbalo lilimi elisebenzisa amasimboli/ amatshwayo/amaphawu nenotheyitjhini ukuhlathulula ubudlelwano beenomboro, kweJiyomethri neenjamelo zegrafu. Kumisebenzi womuntu okufaka hlangana ukuqala, ukujamisela nokuphenya amaphetheni nobudlelwana obuqakathekileko ezintweni ezithintekako/ ezibonakala ngamehlo nesenzenko esiphathelene nokuhalisana naphakathi kwamabumbeko weembalo ngokwazo. Kuyarheleba ukuthuthukisa ikambiso yokomkhumbulo engezelela ilojikhi nokucabanga ngokuhlaba, ngokunemba nokurarulula imiraro ezakurholela ekuthatheni iinqunto.

2.3 IINHLOSO EZINQOPHILEKO

Ukufundisa nokufundwa kweembalo kuhlose ukuthuthukisa okulandelako emfundini:

- Ilemuko lelihlo lokuhlaba lokuthi ubudlelwano bembalo busetjenziswa njani epilweni ephathelene nezokuhalisana, ibhoduluko, itjhebiswano lamasiko nokomnotho;
- Ukuzithemba nekghono lokuqlana namtjhana ngibuphi ubujamo beembalo ngaphandle kokuliywa kukwesaba iimbalo;
- Umoya werhuluphelo nethando leembalo;
- Ukuthokozela ubuhle nokukarisa kweembalo;
- Ukubona bonyana iimbalo ziyingcenyemisetjenzana umuntu azitlamela yona;
- Umcabango ojulileko wokuzwisia ukwenza umqondo weembalo ; no
- Ukuthola ilwazi elithile namakghono athlogekako woku:
 - Ukusebenzisa iimbalo eentweni ezithintekako, zokuhalisana nemiraro yeembalo;
 - Ukufunda okuhlobana nokufundiswako (isib.ezinye iimfundo) noku;
 - Ragela phambili nokufunda iimbalo.

2.4 AMAKGHONO ANQOPHILEKO

Ukuthuthukisa amakghono weembalo aqakathekileko umfundi kufanele:

- athuthukisa ukusebenzisa ilimi lembalo ngefanelo;
- athuthukise ilwazi leenomboro, umqondo nomboro, nokubalisisa namakghono wokwenza;
- afunde ukulalela, ukukhuluma, ukucabanga, ikghono lokusebenza nokurarulula imiraro ngelojikhi nokusebenzisa ilwazi leembalo alizuzileko;
- akufunda ukurhubhulula , ukuhlaziya, ukujamisela nokurhumutjha ilwazi;
- akufunda ukuveza nokurarulula imiraro; noku
- ukwakha ilemuko lokubaluleka kwendima edlalwa ziimbalo epilweni yamambala, okufaka hlangana ukuthuthuka komfundi ngokwakhe.

2.5 IMINQOPHO YEENGABA ZOKUMUMETHWEKO

Esigabeni Esisisekelo, iimbalo zithatha iingaba ezihlanu zokumumethweko. Esinye nesinye isigaba sifaka isandla ekutholeni amakghono anqophileko. Ithebula elingenzasi litjengisa umnqopho ovamileko walokho okumumethwe esigabeni nomnqopho onqophileko walokho okumumethwe Esigabeni Esisisekelo.

ITHEBULA 2.1 IMINQOPHO YEENGABA ZOKUMUMETHWEKO ESIGABENI ESISEKELO

ILWAZI LOKUMUMETHWEKO LEEMBALO		
Isigaba sokumumethweko	Isigaba esivamileko sokumumethweko	Iminqopho Enqophileko yesigaba Esumumethweko Esigabeni Esisisekelo
linomboro, ama-Opharetjhini nobudlelwano	<p>Ukuthuthukisa umqondo weenomboro okufaka hlangana:</p> <ul style="list-style-type: none"> • Ihlathululo yemihlobo ehlukeneko yeenomboro; • Ubudlelwana phakathi kweenomboro ezahlukahlukeneko; • Ukuhlobana ngobukhulu kweenomboro ezihlukahlukeneko; • Ukujanyelwa kweenomboro ngeendlela ezahlukahlukeneko; noku • Umphumela wokusebenza ngeenomboro. 	<p>Irherho leenomboro ezithuthukiswa ekupheleni kweGreyidi yesi-3 lifaka hlangana iinomboro ezipheleleko okungasenani 1000 nama fraktjhini apheleleko.</p> <p>Esigabeni lesi, umqondonomboro womfundu uthuthukiswa ngokusebenzisa izinto eziphathekako ngokubala izinto ezibuthelelweko, ukuhlukanisa nokubuthelela ubungako, ngokubala ngokweqa ngeendlela ezihlukahlukeneko, ukurarulula imiraro yobujamo obuthileko (igama) nokwakha nokwakha nokuphula iinomboro.</p> <ul style="list-style-type: none"> • Ukubala kujayeza abafundi ukuthuthukisa umqondo nomboro, iimbalo zehloko, isilinganiso, amakghono wokubala nokubona amaphetheni. • Ukuthuthukisa komqondonomboro kurhelebha abafundi ukufunda nngemikghwa/ ngemikhuba yeenomboro nokuthuthukisa iindlela ezingenza ukubala kubelula. • Ukurarulula imiraro ngobujamo /ngobunjalo kungenza abefundi bakghone ukuveza imicabango ekungeyabo ngokukhuluma nangokutlola ngemigwalo namngamatshwayo. • Abefundi bakha ukuzwisa umgomosiseko wokuhlanganisa, ukukhupha, ukubuyabuyeleta nokuhlukanisa. • Abefundi bathuthukisa umqondo wefraktjhini ngokurarulula imiraro efakahlangana ukwabelanakobungako kwezinto eziphathekako ngokusebenzisa imigwalo. Imiraro kufanele ifake hlangana iinsombululo ezineensalelo zeenomboro eziphelelekonofana amafraktjhini. Ukwabelana akukafaneli kuthole ingcenyeyokipheleleko kwaphela, kodwana nokufunyana iingcenyeyokipheleleko kwaphela, kodwana ukutlola amatshwayo wamafraktjheni.

ILWAZI LOKUMUMETHWEKO LEEMBALO		
Isigaba sokumumethweko	Isigaba esivamileko sokumumethweko	Iminqopho Enqophileko yesigaba Esumumethweko Esigabeni Esisisekelo
AmaPhetheni, amaFanktjhini ne-Aljibhra	<p>I-Aljibra lilimi lokurhubhulula nokukhulumisana ngokunengi kweembalo begodu kunganabiselwa eenfundweni zemisebenzi nobunye ubudlelwana obuphakathi kwezinto ezitjhugulukako. Ingencye ephakathi yesigaba sokumumethweko kungobana umfundu aphumelele amakghono nokweza ngokusebenzia i-Aljibra. Begodu kunqophe eku:</p> <ul style="list-style-type: none"> • Ekuhlathululen amaphetheni nobudlelwana ngokusebenzia amatshwayo wokuphandhusela, amagrafu namathebula; noku • Nokubona ukuhlaziya kokuvamileko nokutjhugulukako emaphethenini, nobudlelwano ukwenza bonyana umfundu enze ibonetlophambili nokurarulula imiraro. 	<p>Esigabeni lesi, abafundi basebenza ngakho kokubili:</p> <ul style="list-style-type: none"> • Iphetheni yeenomboro (isib. ukubala ngokweqa) na • Maphetheni weJiyomethri (isib. iinthombe) <p>Abefundi kufanele basebenzise izinto eziphatheskako, imigwalo namatshwayo webumbeko ukukopa, ukwandisa, ukuhlathulula nokutlhama amaphetheni.</p> <p>Ukukopa amaphetheni kusiza abafundi bonyana babone ilojigi yokubana iphetheni yensiwe bunjani.</p> <p>Ukungezelela iphetheni kusiza umfundu ukuhlola bonyana bayizwisisile ilojiji yephetheni.</p> <p>Ukuhlathulula iphetheni kusiza abafundi ukuthuthukisa amakghono welimi.</p> <p>Ukunqophisa ephethinini yelojigi kwendlalela isiwekelo sokuthuthukisa amakghono wokucabanga we-Aljibhra.</p> <p>Amaphetheni wenomboro asekela ukuthuthukisa umqondonomboro nemizwa yokusebenza ukwakha iinomboro, umbalo nobudlelwano.</p> <p>Amaphetheni weJiyomethri ifaka hlangana nokulandelanisa imida, amabumbeko nezinto begodu namaphetheni asephasini.</p> <p>Emaphethenini weJiyomethriki abafundi basebenzisa ilwazi labo lesikhala nebumbeko.</p>
Isikhala nobujamo (Jiyomethri)	<p>Isifundo sesikhala nobujamo kwenzangcono ukwizisia nokuthanda/ ukuthokozela kwamaphetheni, ngokunembako, ngokuphumelaloko nangobuhle bebumbeko ngokwemvelo nangendlela yokuphila/yesiko. Inqophe</p> <ul style="list-style-type: none"> • matshwayo (ubunjalo) ubudlelwano • ibandulo nelwazi, indawo/ ubujamo noku • tjhugulula ubujamo obubusobibili nezinto ezinobujamo ezbobusontathu. 	<p>Esigabeni lesi abafundi banqophe ezintweni ezinejamo ezbobusontathu (3-D), nobujamo obubusobibili (2-D), indawo nelayelo.</p> <ul style="list-style-type: none"> • Abafundi bahlola izinto zobujamo ezbobusontathu (3-D) nobujamo obubusobibili (2-D) ngokuhlukanisa, ngemihlobo, ngokuhlukanisa ngeengaba, ukuhlathulula nokuzijho. • Abafundi bagwala ubujamo/amajamo bebakhe ngezinto. • Abafundi babona bebahlathulule amajamo/ubujamo bezinto ezsiphakathini bazifanise nezinto nobujamo beembalo. • Abafundi bahlathulula ubujamo bezinto, bonangokwabo nabanye ngokusebenzia ilwazimagama elifaneleko. • Abafundi balandela bebanikele nelayelo.
Ukumeda	<p>Isilinganiso sinqophe ekukhethweni nekusetjenziswa kwamayuniti afaneleko, iinlinganisi/iimedo, amaformula ngokwesinganiso kwezakhi zezhlekalo, ubujamo, izintonebhoduluko. Ihlobanisa ngokunkophileko ngokwesayensi nangobuthegnigi, nangomnotho wephasi ukuvumela umfundu:</p> <ul style="list-style-type: none"> • Ukwenza isilinganiso esifaneleko; noku • Thlogomela ngokuzwakalako kwesilinganiso nemiphumela. 	<ul style="list-style-type: none"> • Esigabeni lesi umnqopho wesilinganiso wabafundi uthuthukisa ngokusebenza ngokwenza ngezinto eziphatheskako ezhilkeneko namajamo, ukufunda ngamatshwayo/ngobunjalo bobude, umthamo, ubudisi, indawo nesikhathi. • Abafundi balinganisa amatshwayo wobujamo nezinto ngokusebenzia ama unithi angakalungiselewa lapho kufaneleko, okufana nezandla, amagadango isimumathi njll. • Abafundi bamadanisa ubungako obuhlukahlukeneko ngokusebenzia amagama amadanisako afana nokuthi, omude/omfitjhani, ebudisi khulu/elula njll. • Abafundi baziswa emayuniti avamileko afana namagremu, khilogremu, mililitha, amalitha, amasentimitha, amamitha njll. <p>Imisebenzi ehlobana nesikhathi kufanele yakhiwe ngelemuko lokobana ukuzwisia kwabafundi ngokudlula kwsikhathi kufanele kuthuthukiswe ngaphambi kokufundiswa kwsikhathi.</p>

ILWAZI LOKUMUMETHWEKO LEEMBALO		
Isigaba sokumumethweko	Isigaba esivamileko sokumumethweko	Iminqopho Enqophileko yesigaba Esimumethweko Esigabeni Esisisekelo
Ukuphatha idatha	<p>Ngesifundo sokuphatha imininingwana, umfundi uthuthukisa amakghono wo:</p> <ul style="list-style-type: none"> • Buthelela • Ukugquqquzelala/ ukuhlanganisa ngeqhinga • Ukubonisa/ukubukisa noku • Ukuhlaziya nokurhumutjha idatha enikelweko. 	<p>Umnqopho wokufundisa nokufunda ngokuphathwa kweminingwana efundweni esisekelo esekuhluhanisa ngeengaba izinto neminingwana ngeendlela ezihlukahlukaneko, kususelwa ebujameni obuhlukahlukaneko bezintonofana imininingwana/idatha.</p> <ul style="list-style-type: none"> • Abafundi balindeleke bonyana barhumutjhe bebakhe isithombengwalo negrafu yebha ekhambisana nokukhambelana ngakhunye ngakunye ngemininingwana enikeliweko.

2.6 UKWABIWA KWESIKHATHI SOKUMUMETHWEKO NGOKWEENGABA

Ukwabiwa kwesikhathi seembalo sokumumethweko ngokweengaba kusebenzela iinhoso eziqakathetkileko ezimbili: Okokuthoma ukwabiwa kwesikhathi kunikela ikhokhelo lobungako besikhathi esithlogekako ukufundisa okumumethweko kilesa naleso isigaba sokumumethweko ngokwaneleko; kwesibili isikhathi esabiweko sinikela ikhokhelo lobungako kokumumethweko okusabalaliselwe ekuhlowlensi. Ukwabiwa kwesikhathi kweengaba zokumumethweko azifani Efundweni Esisekelo.

Ithebulu 2.2 Ukwabiwa kwesikhathi kweengaba zokumumethweko esigabeni esisissekelo

Ukwabiwa kwesikhathi kweengaba zokumumethweko			
Lingaba zokumumethweko:	iGreyidi 1	iGreyidi 2	iGreyidi 3
linomboro,ama-Opharetjhini nobudlelwano*	65%	60%	58%
AmaPhetheni, amaFanktjhini ne-Aljibhra	10%	10%	10%
Isikhala nobujamo (Jiyomethri)	11%	13%	13%
Ukumeda	9%	12%	14%
Ukuphatha iDatha	5%	5%	5%
	100%	100%	100%

*EmaGreyidini R – 3, kuqakathetkile bona isigaba seenomboro, ama-Opharetjhini nobudlelwano kumnqopho oqakathetkileko weeMbalo. Abafundi badinga ukuphuma Efundweni Esisekelo banesiqiniseko seenomboro ngokuzizwa nokusetjenziswa butjhelela. Ihlosa kukobana abafundi bakghone bebazethembe ngeenomboro nokubalisisa. Ngalesi isizathu isikhathi senotjhinali esabelwe linomboro, ama-Opharetjhini nobudlelwano singezelelwe. Umsebenzi omnengi wephetheni kufanele unqophe kuphetheni yeenomboro, ukuhlanganisa ikghono leenomboro ebafundini ukuya phambili.

2.7 IIMBALO ESIGABENIESISISEKELO

Efundweni Esisekelo iimbalo zilingisa ngokwamanga ukuhlobana phakathi kwepilo yangaphambili-kwesikolo nepilo engaphandle kwesikolo ngakesinye isandla, begodu ngakesinye isandla kube ziimbalo ezisezingeni eliphezulu, emaGreyidini alandelako. EmaGreyidini asesephasi abantwana kufanele kuvezwe epepenenen ilemuko lakhe leembalo elibanikela amathuba amanengi wokwenza, wokukhuluma newokurekhoda imicabango yeeMbalo okungeyabo.

Ubungako besikhathi esiqithwa eembalweni yenza, iinqunto zamandla atjhayisanako ekuthuthukisweni umqondo weeMbalo namaKghono. Imisetjenzana abantwana ababandekanywa kiyo kufanele kungabi ngeyokubalibazisa nje kwaphela kodwana ifanele inqophe eeMbalweni njengombana kwethuliwe kwiKharikhyulamu.

2.7.1 Imihlahlandlela etjhukunyeziweko yokuphatha ikumba yokufundela.

Soke isikhathi esabiweko seembalo ngelanga kufanele sithathwe njengehlelo lesikhathi esisodwa. Ngesikhathi seembalo okulandelako kufanele kwensiwe:

- **Umsebenzi wetlasi loke**

- limbalo zehloko
- Ukuhlanganisa imiqondo
- Ukuphathwa kwetlasi (ukwabiwa kwemisetjenzana ngokuzijamela njll)

- **Ukufundisa ngesiqhema esincani**

- Ukubala
- Ukuthuthukisa umqondo wenomboro (ngokukhuluma nangemisetjenzana yokwenza)
- UKusombulula imiraro (ngokukhuluma nangemisetjenzana yokwenza)
- Ururhekhoda okutloliweko
- Ukuthuthukisa iindlela zokubalisisa (ngokukhuluma nangemisetjenzana yokwenza)
- Amaphetheni
- Isikhala nobujamo
- Ukumeda
- Ukuphatha idatha

- **Umsebenzi wokuzijamela**

Abafundi bayazilungiselela bebahlanganise ukuthuthukisa imiqondo emfumndweni zetlasi loke nekufundisweni ngesiqhema esincani.

Imisetjenzana yetlasi loke: Umnpopho uzokuba kakhlukazi eembalweni zehloko, ukuhlanganisa imiqondo nekwabeni kwemisetjenzana yokuzijamela okungasenani imizuzu ema-20 ngelanga ekuthomeni kwesifundo seembalo. Ngalesosikhathi utitjhere uzokusebenzisa netlasi loke ukubona nokurekhoda (lokha kufaneleko) ilanga losuku, zingaki enyangeni, inani labafundi abakhona nabangekho, nobujamo bezulu. limbalo zehloko zifakahlangana iimbalo zehloko ezsungulako ezifana “nenomboro ezangemuva nangaphambili ko-8, okunengi/nokuncani kuno-8 nga-2 yi: 4+2; 5+2; 6+2” njll. Ngaso lesi sikhathi utitjhere angahlanganisa imiqondo engaba budisana. Begodu kuqakathekile bona itlasi inikelwe imisetjenzana evamileko begodu nemisetjenzana yokuzijamela abazenzela yona ngokwabo, ngalesosikhathi utitjhere uraga ngesigaba sesiqhema esincani.

limfundu eziqaliswe esiqhemeni esincani: Ngezipumelelisako nange utitjhere athatha isiqhema sabantwana esincani (8 ukuya 12) abasezingeni elilinganakobabe naye emadeninofana ematafuleni wabo, ngasikhathi lesi itlasi loke libandakanywe emisetjenzaneni yokuzijamela. Utitjhere usebenza nabentwana **ngokukhuluma nangokwenza**, ababandakanye emisetjenzaneni efana nokubala, ukulinganisa, ukuthuthukiswa komnqopho weenomboro, imisetjenzana yokurarulula imiraro, nemisetjenzana ephathelene namaphetheni, isikhala nobujamo, ukumeda nokuphatha idatha okufanele kuhlelwe ngokuqophelela.

Ukuze uqinisekise ukufunda umsebenzi otloliweko (incwadi yokusebenzela, isibonelo iphepha lokusebenzela, amakarada wokusebenzela njll) kufuneka kube yingcenyeyomsebenzi wesiqhema nakungakghoneka/nakukghonakalako. Abafundi kufanele babe neentlabagelo zokutlola (incwadi yokusebenzela njll) isentjenziselwe imisetjenzana yokurarulula imiraro. Isigaba sesiqhema kufanele bakhuthazwe “**ukwenza, ukukhuluma ukulingisa nokurekhoda**” ukucabanga kwabo kweembalo.

Abotitjhere kufanele banakekele bangaqaleliphasi/banganyazi abafundi ababuthaka, kufanele nabo badoswe. Kubalula ukumedianisa izinga lobudisi lomsebenzi wabafundi nangabe utitjhere usebenza ngezinga elipheze lalingana, Okungenani iinqhema ezesemazingeni ahlangeneko zingasebenza ngcono nekwakhiwako, kumeda kwensiwa amaphetheninofana imisetjenzana yokuhlukanisa ngeengaba, nofana kwemidlalo.

Imisetjenzana yokuzijamela: Ngesikhathi utitjhere asebenza ngemfundoezinqophiswe esiqhemeni esincani, abafundi boke getlasini kufanele babandakanywe ngehloso yemisetjenzana ehlukahlukeneko yeembalo enqotjhiswe ekuqiniseni nekuhlanganiseni iminqophonamakghono asele afundisiweko ngesikhathi esinqotjhiswe esiqhemeni esincani. Imisetjenzana yokuzijamela kufanele ihlukaniswe ukwenzelela bonyana inakekele iinqhema ezinamakghono ahlukeneko. Imisetjenzana yokuzijamela ifanele ifake hlangana:

- Imisetjenzana yencwadi yokusebenzela
- Amapheda wokusebenzela ahlelwe ngokwemihlobo/amakarada wokusebenza wokubala, ukusebenzisa iinomboro, imiraro elula esebujameni (imiraro yamagama) njll
- Imidlalo yeembalo efana neLudo, amadomino, amaphazeli wejigso nama
- AmaThaski afakahlangana nokwakha, ukuhlukanisa ngeengaba, ukuphethina nokumeda.

Isikhathi seembalo kufanele sinikele ukulekelela ebafundini abaneenqabo zokufunda, imisetjenzana engezelelako yabakghonako, imisetjenzana yokuhlolajll.

Imisetjenzana yokuzijamela neyesiqhema esincani kufanele iqalwe (ngokwenza, nangokukhuluma) itshwaywe bese iyaqalisawa (ukurhekhoda okutloliweko) ngutitjhere njengengcenyeyokuhlolakulgiselelweno nengaklungiselelwa.

Ukulandela umkhondo wempendulo zabafundi (ngokukhuluma, ngokucocwako, ngokwenza, ngokurekhoda okutloliweko) esimeni sokufunda nokufundisa evumela utitjhere ukwenza ukuhlola okuragela phambili, ukulandelela iragelophambili nokuhlela ilekelelo ngokuya kwabafundi abaneenqabo zokufunda.

2.7.2 Abafundi abaneenqabo ekufundeni iimbalo

Kuqakathekile bonyana abafundi abahlangabezana neenqabo zokufunda iimbalo bonyana kuvezwe epepeneneneni ekufundeni okusekelwe ngemisetjenzana yokufunda. Ukwenza kweemboniso kusetjhenziswiazinto ezibonakalako ngokuhlanganyela nemisetjenzana yokwensiwa kufanele isetjhenziswe ithutjana elide kinalabo abafundi abakghonako ngombana ukutjhugulukela emisebenzini engabonakaliko ngokurhabako kungabanga ukutjhuragana nokusalela. Abafundi labo bangadinga nofana banikelwe isikhathi esinengi soku:

- Qedelela imisebenzi yokuhlolamathaski
- Ukuthola amakghono wokucabanga (amaqhinga okungewabo)

Inani lemisetjenzana okufanele iqedelelwekufaneleyehliswe ngaphandle kokuzwana ngokulisa okhunye iminqophonamakghono lawo anqotjhiweko.

2.7.3 Iimbalo zehloko

Iimbalo zehloko zidlala indima eqakathekileko kukharikhulamu. Amabhondi weenomboro nethebulayokkubuyelela okulindeleke bona abafundi bawazi nofana bawakhumbule ngokurhabako keliny neliny igreyidi arhemisiwe. Ngokungezelelweko, iimbalo zehloko zisetjhenziswanganokubanzi ngokuhlolaiinomboro eziphakamileko ezihi langana kweenlinganiso ezimbili ngokubala ngokweqa nangokwenza imisetjenzana efuna ukuya phezulu naphasi elerini. Isib. Utitjhere wegreyidi yesi 3 angahle abuze imibuzo elandelanako, "thoma nga 796 ungezelela nge 7, lye ma 803. Yenza lokhu kwehle nge 5 lye ma 798. Ngezelela nge 10... ungezelela 2... ungezelela nga 90... yehlisa nga 5" njll. Imisetjenzana leyo irhelebha abafundi ukwakha inambalayini yembalo zehloko.

IIMBALO ZEGREYIDI R

limbalo zehloko ziboniswa khulu ekubaleni nesahluko somqondo wokuthuthukisa inomboro okuhlobanisa inhloko zeenomboro namaPhetheni begodu kungenzeka ngesikhathi sokumeda nemisetjenzana yokuphatha kwedatha. Nakwenziwa iimbalo zehloko, utitjhere angakateleli abafundi ukwenza iimbalo zokubalisisa abangakwazi ukuzenza-iintlabayelo zokutlolanofana izinto zokubala kufanele zihlale njalo zikhona ukwenzelela abafundi abasazithlogako

2.8 IGREYIDI R

Indlela yokufunda i-liMbalo kufanele isekelwe emithethweni yokuhlanganisa ngokuzeleko nokufunda okusekelwe ekudlaleni. Utitjhere kufanele asebenzele phambili, abemlamuli kunokuba mkghonakalisi. Umlamuli wenza amathuba amanengi wokufunda anganakuqakathea avela ngokuzenzakalelako ngezikhathi semisetjenzana edzimelele emntwaneni efana nokudlala ngokutjhaphuluka ekhoneni lomkhumbulo olibhudangonofana endaweni lapha kwakhiwa khona ngamabhlogo, emisetjenzaneni yokudlala ngehlabathi namanzi okufaka imisetjenzana ekhokholwa ngutitjhere, enqophiswe emqondweni wokubala, ukuthuthukisa komqondonomboro, isikhala nobujamo, amaphetheni, isikhathi neminye imisetjenzana yokuthoma i-liMbalo. Umbala ngokwawo awusiwo umqondo we-liMbalo, kodwana ungasetjenziselwa ukuthuthukisa umqondo we-liMbalo ngemisetjenzana efana nokuhlela ngemihlobo, ukuhlela ngeenqhema nokuhlukanisa ngeengaba.

Woke amahlangothi weGreyidi R, okufaka hlangana ibhoduluko letlasi nokujayela ukufundisa nokufunda, kufanele kukhuthaze ukuthuthukisa umntwana ngokuzeleko. Ukuthuthuka okuhlanganisiweko nokuthoma ukwazi iimbalo okufakahlangana nokuthuthukisa kokusebenzisa umkhumbulo

(ukurarulula-umraro, ukucabanga nokucabangisia okuhlelekileko), ukuthuthukisa kwelimi (ilimi le-liMbalo) nokubona kwanga uyezwa begodu nangokwemizwa nangokuhlalisa. Woke amahlangothi lawa angathuthukisa ngeendatjana, iingoma, imidunduzelo, imidlalo yemino neyamanzi, amathoyisi wokufunda afakahlangana umdlalo webhodi, imisetjenzana yokwakha nokuhlola (ubudisi, isikhathi, ubungako, ukumeda njll). Ukndlala ngokuzakhela engqondweni, ukndlala ngaphandle nemidlalo yekundleni yezemidlalo. Imidlalo eminengi ingafakahlangana ihlangothi lenumeresi, isibonelo ukulinganisa ngesikhathi sokuphekanofana ukubala nakuthengwako.

Ngamanye amagama ukukghona ukuthoma ukubala nakuhlobana kwemiqondomagama weembalo kufanele njengokufundisa okuhle kulandele imithetho yokufunda elandelako lapha abantwana badlula eengabenientathu zokufunda:

- Isigaba sekhinestethiki (ilemuko lemiqondo ngemizimba nangemizwa);
- Isigaba sokuphathekako (3-D), kusetjenziswe izinto ezhluhlukeneko ezifana namabhlogo, iimvalo zamabhodlela, iingojwana nezinyo izinto ezsiphakathini);
- Iphepha nepensela (iinjamiseleli ezsiphathekako kusetjenziswa imigwalo, amakarada amadanisako njll)

EGreyidini R ithebulal esikhathi libizwa **ihielo langamalanga** (qala Umfanekiso woku-1) begodu ihlukaniswe ngeengaba ezintathu eziqakathekileko zibizwa:

- Imisetjenzana ekhokhelwa ngutitjhere
- Imisetjenzana yangamalanga/evamileko
- Imisetjenzana esungulwa bantwananofana ukndlala ngokutjhaphuluka.

Umfanekiso woku-1: Ihlelo langamalanga le Greyidi R

(Kusuka ± 7:30 – 13:00)

UKUFIKA NOKUDLALA OKUTJHAPHULUKILEKO			IIMBALO
36 imizuzu	Ukulotjhisa Wamabeletho lindaba	Amalanga Iregistara	liMbalo AmaLimi AmaKghono WePilo
50 imizuzu	IMISETJENZANA ERHOLWA NGUTITJHERE liMbalo; AmaLimi; AmaKghono WePilo	<ul style="list-style-type: none"> UMSEBENZI WOBUKGHWARI (ngamalanga: 1 EQAKATHEKILEKO + 2/3 imisetjenzana esekelako) UKUDLALA BATJHAPHULUKILE NGENDLINI UKUBUTHA NGAPHAKATHI 	<ul style="list-style-type: none"> Imidlalo yokuzenzisa Ukulingisa Ukudlala ngokwakha Amabhblogo Kokufunda Izinto zokudlala ezfundisako Imidlalo ecabangisako Amaphazela Ihugwana yeencwadi
30 imizuzu	IMISETJENZANA ERHOLWA NGUTITJHERE liMbalo; AmaLimi; AmaKghono WePilo.		
10 imizuzu	Ukuya ngendlwaneni kwangamalanga liMbalo; AmaLimi; AmaKghono WePilo		
20 imizuzu	IINQABULI: Amalimi, limbalo, AmaKghono WePilo		
60 imizuzu	Ukudlala utjhaphulukile ngaphandlenokubutha		<ul style="list-style-type: none"> Ukudlala ngamanzi Ukudlala ngesanda Ukulingisa limbholo Ukjinkha Izinto zokudlala ezinamavili Izinto zokudlala ezifundisako Ijungel jimu Amatayere Ukuthabulula umzimba Imidlalo
10 imizuzu	Ukuya ngendlwaneni kwangamalanga liMbalo; AmaLimi; AmaKghono WePilo.		
30 imizuzu	IMISETJENZANA ERHOLWA NGUTITJHERE liMbalo; AmaLimi; AmaKghono WePilo.		
30 imizuzu	INDATJANA ngamalanga		
Ukuphumula /isikhathi sokuthula nokukhamba			

IIMBALO ZEGREYIDI R

Igandelelo kufanele libe sekusebenziseni amahlangothi welandelano lemilayelo ukukhuthaza ukuzuza kokuthoma ukwazi inumeresi ngendlela esebujameni bokudlala nangokuzenzakalelako. Isibonelo, amathuba wokufunda inumeresi ngokukhokhelwa ngutitjhere enziwa ngesikhathi sendulungu. lindulungu zinganikelwa umnqopho wokubala. Ekuseni ngesikhathi sokulotjhisana nalapha nakuqalwa abantwana abakhona nabangekho ingathathwa njengethuba lokudlala ngeenomboro isibonelo, ukubala. Ezinye iindulungu ezifana nendulungu ye-liMbalo, indulungu yokuzwa inga uyabona, yokusikinyeka, yomvumo neyesayensi zinganikela umnqopho we-liMbalo.

Imisetjenzana yobuciko bokuzithlamela ingagandelela i-liMbalo isibonelo, ukusebenzisa amabumbeko weJiyomethri ezifana nendulungu nesikwere ukwenza ikhola jnofana ukutlama ifreyimu yesithombe. Itjhadi lobujamo bezulu, ikhalenda nendulungu yelanga lamabeletho zinikela ithuba lokuhlolam umnqopho wokubala. Kulilwazi nokusungula kwakatitjhere okungandise ikghono lokufunda.

- *Umsebenzi wangamalanga* lapha abantwana bazibandakanya khona efana nesikhathi sokudla, isikhathi sokubuyeleta ekhaya, nesokuya endlwaneni singanikelwa umnqopho oqaliswe ekubalen. Boke abentwana abembethe izambatho ezibomvu baye endlwaneni kokuthoma (umbala neenomborosikhundla) omunye nomunye umntwana uthola isitja nembedlezwana (ukukhambelana kunye nakunye), uThandi ubawa imbedlezwana enye godi, uSipho akasayifuni enye imbedlezwana. Utitjhere ubona asebenzise isikhathi leso njengesikhathi sokufundisa ngamanye amagama utitjhere abemlamuli wokufundisa.
- Ngesikhathi *sokudala ngokutjhaphululaka* utitjhere angathuthukisa **iiMbalo ezsathomako** ngokwakhiwa okufaneleko kwendawo yokudlalela. Ukudlala okutjhaphulukileko kwangaphandle okufana nokukhwela ifreyimu yesigodo nofana ukukhwela itsikiri kungathuthukisa ilwazimagama weembalo afana naphezulu/phasi, masinya/buthaka, ngaphasi/ngaphezulu njll. Ukudlala ngehlabathi namanzi kungangezelela ukuzwisia kwemiqondo efana nobudisi nomthamo. Yoke imisetjenzana izokungezelela amakghono wokuzwa kwanga uyabona enza, lokhu kuba yengcenyeyokuphila njengendabuko okutholakala ngokuphumelela ekufundisweni okuhleliweko kwelitheresi nenumeresi. limbonelo zamakghono ngilezi:
 - ukuthuthukisa ukuzwisia ubujamo ebusesikhali isibonelo, ngemuva, ngaphambi kwe, ngaphasi kwe nofana hlanu kwento (lokhu kungahlanganiswa nokujanyelwa kwedijithi); ne
 - ukunqophisa nelathelaristi (lokhu kungahlanganiswa nokubunjwa kwenomboro neledere, nokufunda kusukela ngesinceleni ukuya ngesidleni)

Ukulungiselela okwendlalwe ngehla kutjengisa indlela ekhuthaza indlela yokurarulula umraro, ukucabanga nokucabangisisa isikhathi sokufunda, utitjhere angakhuthaza abantwana bonyana batjengise ngeenquto nebonelophambilokungenzeka isibonelo, Njengokuthi isimumathi esisetjenziswe ngesikhathi sokudlala ngokutjhaphuluka singathatha umthamo omnengi kunesinye.

Ngokwenza iintjhukumezo ezingarheleba nokumema umntwana bonyana acabange ngezinye iindlela zokurarulula imiraro. Utitjhere angakhuthaza abantwana ukucabanga ngokujulileko nangeendaba nangeenqunto abazithathako. Ngaleyondlela kuzabe kungasi ngokweembalo kwaphela kodwana ukuthuthukisa okupheleleko ngelihlo elihlabako okuvezwa **Sitatimende soMthetho-kambiso weKharikhyulamu nokuHlola** kulethwa ngokudlala.

Ukuhlolwa eGreyidini R kufanele kube ngokungakalungiselela begodu abantwana akukafaneli babekwe ebujameni bokutlola ukuhlola.

Kungalesi sizathu imisetjenzana yokuhlola ingakafakwa **eSitatimende Somthetho-kambiso Wekharikhyulamu nokuHlola** eGreyidini R. Omunye nomunye umsebenzi wokuhlola ufanele uhlelwe ngokuqophelela ukuze ihlanganise nemihlobobohlobo yamakghono.

EGreyidi R ukuhlola okunengi kwenziwa ngokubukela, lapho utitjhere arekhoda khona imphumela yokuhlola ngokusebenzisa irherho lokuhlolam. Ngokukhamba konyaka, isithombe esizeleko ngomntwana ngamunye siyakheka, zizaliswe ngeentjhijilo nangobukghoni bakhe kwenza bonyana iintjhijilo ziqaalelelw, ubukghoni buthuthukiswe. Lokhu kuvumela intjhijilo bonyana ziqaalelelw nobukghoni buthuthukiswe.

Ihlolo lokufunda elihlelelweko langekumbeni yokufunda ehllewe ngokusekelweko afanele angenziwa, njengombana angalekeleli ukukghonakala kweNumeresi emntwaneni weGreyidi R.

UGreyidi R akukafaneli kube yiGreyidi 1 eyehlisiweko. IGreyidi R unemikghwa yayo ehlukileko esekelwe ngokuthi umntwana oseminyakeni leyo wenza njani umqondo ngephasi aphila kilo, nokuthi uzuza njani ilwazi, amakghono, amagugu nendlela yokucabanga ebanikela amathuba weminyaka yokufunda okuhlelewko.

2.9 INSETJENZISWA EZIPHAKANYISIWEKO: ITLASI LEEMBALO LESIGABA ESISISEKELO.

- limbali
- Idayisi elikhulu
- Ifreyimu ekulu yokubala
- Itjhadi lobude
- Iphostara ekulu eneenomboro 1 – 100 nephostara yegridi yeenomboro 101 – 200 (itjhadi lenomboro ezi-100)
- Amanambalayini ahlukahlukene (ajame rwe nathabaleko)
- Isede yama karada flardi (amakarada anabisako)
- Imali yokudlala — iinhlamvu zemali nemali yephepha.
- Ikhalenda yonyaka loyo
- Iwatjhi ekulu yamasiba yeboden
- Isikala sokudzimelela
- Amabhlogo wokwakha
- Idaka lokubumba
- Amabhoksi ahlukahlukene ngobujamo nesayizi athethwe ekhaya
- Amabhodlelo weplastiki ahlukahlukene nezinye iimumathi zokuhlathulula nokumadanisa umthamo
- limbonelo ezhle zeendulungu (iimholo), iphrizimu enguncamane (ibhoksi), ikhuyubhu, ikurwana, iphiramidi namasilinda. Utijhere angazenzela yena ngokwakhe lokhu.
- linkwere ezinengi zamoplastikinofana amakhadiboksi, aboncamane abahlukahlukene, iindulungu, aboncantathu abahlukahlukene babe namasayizi ahlukahlukene boke.
- Imidlalo yeeMbalo isib. iLudo, iinyoka namaleri, amaphazela angenelanako, amaDomino, amaTangremu njll.
- Okuqakathekileko emaGreyidini R neyoku 1:
 - lindawo lapho kudlalwa khona ngesanda namanzi
 - linsetjenziswa zokukhwela , zokudzimelela, zokujinka nokweqayeqa
 - Isitolo sokudlala nezinto okufanele zithengwe ngemali yokudlala
 - Imihlobohlobo yemidlalo efaneleko okufana nokuthi ‘kunani ngaphakathi kwesikwere’?
 - Amabhlogo.

3.1 ISINGENISO

Eemfundweni ezisesi Gabeni se Fundo ephasi, kuhlanu okumumethwe eendaweni ze-liMbalo

- linomboro, ama-Opharetjhini noBudlelwano
- AmaPhetheni, amaFanktjhini ne-Aljibhra
- ISikhala nobuJamo (Jiyomethri)
- UkuMeda
- UkuPhatha iDatha

Esinye nesinye isigaba sokumumethweko siphulwa sibe ziinhlokwana zeeMbalo, isibonelo kuSikhala nobuJamo Esigabeni Esisisekelo esinye seenhloko bujamo obubusobubili (2-D). ImiQondo namaKghono ayanqotjhisa ngaphakathi kwesinye nesinye isihloko. Esigabeni sesi-3 seSigaba Esisisekelo se-Mbalo, ISitatimende Somgomo WeKharikhyulamu nokuHlola singophisa besihlathulule lokho okufunekako kokumumethwe ziiMbalo.

3.2 ISENZO SOKUNQOPHISA IRAGELO PHAMBILI KILOKHO OKUMUMETHWEKO.

Ithebula yehlathululo efitjhazana yesigaba esithile sokukhula itjengisa isenzo seragelo phambili yeminqopho namakghono netuthuko kusukela eGreyidini R ukuya kweyesi-3. Ithebula yehlathululo efitjhazana yesigaba esithile sokukhula kweGreyidi itjengisa ituthuko yemiqondo namakghono buvundla kiwo womane amathemu wonyaka.

Noma kunjalo, kezinye iinhloko imiqondo namakghono ayafana emagreyidini amabilinofana amathathu alandelanako. Ukuhlathulula okumumethweko kuzakunikela umhlahlandlela wokobana iragelo phambili kufanele yenziwe bunjani ebujamweni obunjalo. Isenzo sokunqophisa okumumethweko kufanele sifundwe ngokuhlanganyela nokuhlukanisa ngeengaba kokumumethweko.

Ubonomazombe omfitjhazana wemininingwana Esigabeni Esisisekelo itjengisa iragelo phambili leengaba ezimummethweko; linomboro, ama-Opharetjhini noBudlelwano, amaPhetheni, amaFanktjhini ne-Aljibhra, Isikhala noBujamo (Jiyomethri), Ukumeda no kuPhatha iDatha buvundla emaGreyidini R – 3 njengoba zibekiwe ethebuleni elingenzasi.

UMBONOMAZOMBE WESIGABA ESSISEKELO
1. INOMBORQ, AMA-OOPHARET.JHINI NOBUDLELWANO

Iragelo phambili leenomboro, ukusebenza nobudelwano.

- Iragelo phambili eliqakathiekiko leenomboro, ukusebenza nobudelwano elenzeka ngeendlela ezintathu:
 - Ihlelo leenomboro liyanyuka.
 - Ukwethulwa kwemihlolo ehlukeneko yeenomboro.
 - Ukujhuguluka kwamaqhinga wokubala.
- Njengombana ihlelo leenomboro lokubala linyuka ukufika kugreyidi 3, abafundi kufanele bathome ukuba namaqhingga amanengi afaneleko wokubala.
- Iimiraro yobujamo kufanele ibe nokuphenduleka ehelwени leenomboro egreyidini kunye nekghono lokubala labafundi.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Bala ngeenomboro ngokuphelleleko				
1.1 Ukubala izinto	Ukubala izinto eziphathetekako Linganisa bewubale ngokuthembeka okungenani kufika ema-50 izinto zangamalanga	Ukubala izinto eziphathetekako Linganisa bewubale ngokuthembeka okungenani kufika ema 200 izinto zangamalanga.	Ukubala izinto eziphathetekako Linganisa bewubale ngokuthembeka okungenani kufika ema 200 izinto zangamalanga.	Ukubala izinto eziphathetekako Linganisa bewubale ngokuthembeka okungenani kufika e-1000 izinto zangamalanga.
1.2 Ukubala uyephambili nemuva	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye neny e inomboro hlangana no-1 ne-100 Ukubala uyephambili nga- Sebenzisa imilolozele yeenomboro kunye neengoma	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye neny e inomboro kusukela keyo-1 ukufika keye-10 Ukubala uyephambili nga- Li-10 ukusukela kwenye neny e inomboro ebala ngali-10 hlangana no -1 ne-100	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye neny e inomboro ebala nga ku-5 ehangana no -1 ne-100 Ukubala uyephambili nga- Ku-5 ukusukele kwenye neny e inomboro ebala ngali-10 hlangana no -1 ne-100	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye neny e inomboro ebala ngali-2 hlangana no -1 ne-100 Ukubala uyephambili nga- Ku-2 ukusuka kwenye neny e inomboro ebala ngali-2 hlangana no -1 ne-100

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUTHUTHUKA KWEMIQONDÖ YEENOMBORO: Ukujamisela iinomboro ngokupheleko				
1.3 Amatshwayo weenomboro namabizo weenomboro	Ukukhumbula, ukubona nokufunda iinomboro <ul style="list-style-type: none"> Khumbula, ubone begodu ufunde amatshwayo wenomboro ukusuka ku-1 ukufika e-10 Khumbula, ubone begodu ufunde amagama weenomboro ukusuka ku-1 ukufika ku-10 	Ukukhumbula, ukubona nokufunda iinomboro <ul style="list-style-type: none"> Khumbula, ubone begodu ufunde amatshwayo wenomboro ukusuka ku-1 ukufika e-100 Tiola amatshwayo wenomboro ukusuka ku-1 ukufika e-20 Khumbula, ubone begodu ufunde amagama weenomboro ukusuka ku-1 ukufika e-10 Tiola amagama weenomboro ukusuka ku-1 ukufika e-10 	Ukukhumbula, ukubona nokufunda iinomboro <ul style="list-style-type: none"> Khumbula, ubone ,ukubona nokufunda amatshwayo wenomboro ukusuka e-0 ukufika e-200 Tiola amatshwayo wenomboro ukusuka e-0 ukufika e-200 Khumbula, ubone begodu ufunde igama lenomboro ukusuka e-0 ukufika e-100 Tiola amagama weenomboro ukusuka e-0 ukufika e-100 	Ukukhumbula, ukubona nokufunda iinomboro <ul style="list-style-type: none"> Khumbula, ubone begodu ufunde amatshwayo wenomboro ukusuka e-0 ukufika e-1000. Tiola amatshwayo wenomboro ukusuka ku-1 ukufika e-1000 Khumbula, ubone begodu ufunde amagama weenomboro ukusuka ku-1 ukufika e-1000. Tiola amagama weenomboro ukusuka ku-1 ukufika e-1000
UKUTHUTHUKA KWEMIQONDÖ YEENOMBORO: Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleko				
1.4 Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleko	Ukuhlathulula, ukumadanisa nokuhela ibuthelelo lezinto ukufika e-10 <ul style="list-style-type: none"> Ukuhlathulula iinomboro ngokupheleko ukufika e-10. 	Ukuhlathulula, ukumadanisa, nokuhela izinto ukufika e-20 <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa izinto ezibutheleweko ukuya ngobunengi, okungenani, kufana. Ukuhlathulula nokumadanisa izinto ezibutheleweko ukusa kubunengi ukuya okulingeneko kuye nokusuka kokulingene uye kokunengi. 	Ukuhlathulula, ukumadanisa nokuhela lezinto ukufika e-10. <ul style="list-style-type: none"> Ukuhlathulula, ekulu khulu engaphasi, elinganako epheze ilingane, engaphezelu ezimbadlwana kwe-10 ngiyiphi ekulu, encani, hlangana nezimbili izinto ezibutheleweko. Ukuhela ngaphezu kwezimbili zebuthelelo lezinto ukufika e-10. 	

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Ukujamisela iinomboro ngokupheleleko				
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	Ukuhlathulula, ukumadanisa and nokuhlela iinomboro ukufika e-20	<p>Ukuhlathulula, ukumadanisa and nokuhlela iinomboro ukufika e-99</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu <p>Sebenzisa inomborosikhundla ukutjengisa ukulandelana, indawo namkha ubujamo</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu 	<p>Ukuhlathulula, ukumadanisa and nokuhlela iinomboro ukufika e-99.</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu <p>Sebenzisa inomborosikhundla ukutjengisa ukulandelana, indawo namkha ubujamo</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu 	<p>Ukuhlathulula, ukumadanisa and nokuhlela iinomboro ukufika e-99.</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu <p>Sebenzisa inomborosikhundla ukutjengisa ukulandelana, indawo namkha ubujamo</p> <ul style="list-style-type: none"> Ukuhlathulula nokumadanisa iinomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. Ukuhlathulula bewuhlele iinomboro ezipheleleko ukufika e-99 kusuka kencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu
UKUTHUTHUKA KWEMIQONDO YEENOMBORO:UbuKhulu bedijithi				
1.5 UbuKhulu bedijithi	Thoma ukulemuka ubukhulu bedijithi okungenani iinomboro zamadjithi ama-2 ukufika e-20	Thoma ukulemuka ubukhulu bedijithi okungenani iinomboro zamadjithi ama-2 ukufika e-99	<p>Thoma ukulemuka ubukhulu bedijithi okungenani iinomboro zamadjithi ama-3 ukufika e-99</p> <ul style="list-style-type: none"> Ukuhphula iinomboro zamadjithi ama-2 ukuya ngesibuyabuyeleteo se-10 nakunye/namayundi. 	<p>Thoma ukulemuka ubukhulu bedijithi okungenani iinomboro zamadjithi ama-3 ukufika e-99</p> <ul style="list-style-type: none"> Ukuhphula iinomboro zamadjithi ama-2 ukuya ngesibuyabuyeleteo se-10 nakunye/namayundi. <p>Ukufanisa nokutjho ubukhulu benye nenye idijithi.</p>

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKURARULU IMIRARO ESEBUJAMENI OIBUTJAPHUKILEKO				
1.6 Amaqhinga wokurarula imiraro	Sebenzisa amathekhniki alandelako ukufika e-10. • Insefijenziswa eziphathetekako isib. Izinto zokubala. • Ileri yeenomboro ebonakalako.	Sebenzisa amathekhniki alandelako nawuraruulula imiraro uhlathulule neensombululo: • Ama-apharethasi aphethekako njengezintzo zokubala • linthombe zokugwala iimbalo zendañhana • Ukuphula nokuphula iinomboro • Ukubuyelela nokuqunta phakathi • linambalayini	Sebenzisa amathekhniki alandelako lokha urarulula imiraro bekuhlathulule iinsombululo zemiraro: • Imigwalonofana amapharethasi aphethekako isib. Izinto zokubala • Ukuphula nokuphula kweenomboro • Ukubuyelela kabili nokuqunta phakathi • Inambalayini • Tiola ngamatjumi.	Sebenzisa amathekhniki alandelako lokha urarulula imiraro bekuhlathulule iinsombululo zemiraro: • Ukwakha nokuphula kweenomboro • Ukwakha nokuphula kweenomboro • Inambalayini • Tiola ngamatjumi.
1.7 Ukuhlanganisa nokukhupha	Rarulula iimbalo zamagama (Indaba zokuhlanganisa), ezisebijameni bewuhlathulule iinsombululo zakho zemiraro, zemiraro ezifaka ukuhlanganisa nokukhupha ngempendulo ukufika e-10.	Rarulula iimbalo zamagama ezisebijameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa, ukukhupha ngempendulo ukufika e-20.	Ukusombulula imiraro yeembalo zamagama ezisebijameni abe ahlahthululo iinsombululo okungezakhe umraro ofakahlangana ukuhlanganisa nokukhupha okuneempendulo ezifikeleta e-999.	Ukusombulula imiraro yeembalo zamagama ezisebijameni abe ahlahthululo iinsombululo okungezakhe umraro ofakahlangana ukuhlanganisa nokukhupha okuneempendulo ezifikeleta e-999.
1.8 Ukuhlanganisa okubuyeleleko kurholela ekubuyabuyeleteni	Rarulula iimbalo zamagama ezisebijameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa okubuyeleleko ngempendulo ukufika ku-20	Rarulula iimbalo zamagama ezisebijameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa okubuyeleleko ngempendulo ukufika ku-20	Ukusombulula imiraro yeembalo zamagama ezisebijameni abe ahlahthululo iinsombululo okungezakhe umraro ofakahlangana ukuhlanganisa okuhkhela ekubuyelelekeni okunomphumelo ofiskeleta e-50.	Ukusombulula imiraro yeembalo zamagama ezisebijameni abe ahlahthululo iinsombululo okungezakhe umraro ofakahlangana ukuhlanganisa okuhkhela ekubuyelelekeni okunomphumelo ofiskeleta e-50.
1.9 Ukubuthelela nokwabelana okurholela ekuhlukaniseni.	Rarulula iimbalo zamagama ezisebijameni bewuhlathulule iinsombululo zakho ufake ukwabelana ngokulingana nokubuthelela kwenomboro ezizeleko ukufika e-10 begodu nangempendulo nangempendulo ezifaka hlangana okuseleko.	Rarulula iimbalo zamagama ezisebijameni bewuhlathulule iinsombululo zakho ufake ukwabelana ngokulingana nokubuthelela kwenomboro ezizeleko ukufika e-20 begodu nangempendulo ezifaka hlangana okuseleko.	Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlangana ukwabelana ngokulinganako ekurholela eensombululweni ezifaka amafrikthjini ahlobanako neensalela.	Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlangana ukwabelana ngokulinganako ekurholela eensombululweni ezifaka amafrikthjini ahlobanako neensalela.
1.10 Ukwabelana okurholela emafrikthjini				Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlangana ukwabelana ngokulinganako ekurholela eensombululweni ezifaka amafrikthjini ahlobanako nangahlobaniko.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKURARULULA IMIRARO ESEBUJAMENI OBUTJAPHUKILEKO				
1.11 Imali	Thoma ukulemuka amasende nemali yamaphepha yeSewula Afrika.	<ul style="list-style-type: none"> Khumbula bewufanise imali eziimhlau yeSewula Afrika: (5c, 10c, 20, 50c, R1, R2; R5) kunye nemali emaphphepa i-R10 ne R20 Ukurarulula imiraro efaka hiangana amanani wemali netjhentji yama R20 neyamasende ukufika ema-20c 	<ul style="list-style-type: none"> Ukukhumbula nokufanisa imali yeSewula Afrika eziimhlamu 5c, 10c, 20c, 50c, R1, R2, R5, nemali emaphphepa R10, R20, R50 Ukurarulula imiraro yemali efakahlangana amanani netjhentji yamaranda namasende Tjhugulula amarandi namasende 	<ul style="list-style-type: none"> Ukukhumbula nokufanisa imali yeSewula Afrika eziimhlamu nemali emaphphepa Ukurarulula imiraro yemali efakahlangana amanani netjhentji yamaranda namasende Tjhugulula amarandi namasende
UKUBALA OKUSEBUJAMENI OBUTJAPHULUKILEKO				
1.12 Amathekhini (indlela namaqhinga)		<p>Sebenzisa amathekhini alandelayo nawubalako</p> <ul style="list-style-type: none"> Ama-apharethasi aphathetkako njengezinto zokubala Gwala iinthombe Ukwakhabewuphadhle iinomboro Ukubuyelela nkquanta phakathi Inambalayini linamba layini 	<p>Sebenzisa amaqhinga alandelako lokhana nakubalwako.</p> <ul style="list-style-type: none"> Imidwebo nofana amapharethasi aphathetkako isib. Izintzo zakubala Ukwakha nokuphula kweenomboro Ukubuyelela kabili nokquanta phakathi Inambalayini Tiola ngamatjhumi. 	<p>Sebenzisa amaqhinga alandelako lokhana nakubalwako.</p> <ul style="list-style-type: none"> Ukwakha nokuphula kweenomboro Ukubuyelela kabili nokquanta phakathi Inambalayini Tiola ngamatjhumi.
1.13 Ukuhlanganisa nokukhupha	Ukusombulula imiraro yokuhlanganisa nokukhupha etjiwo ngomlomo ngeensombululo ukufika e-10.	<ul style="list-style-type: none"> Ukuhlanganisa ukufika e-20 Ukuhupha ema-20 Sebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabondi ukufika e-10 	<ul style="list-style-type: none"> Ukuhlanganisa ukufikela ku-999 Ukuhupha ema-999 Ukusebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabondi ukufika e-30 	<ul style="list-style-type: none"> Ukuhlanganisa ukufikela ku-999 Ukuhupha ema-999 Ukusebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabondi ukufika e-30
1.14 Ukuhlanganisa okubuyelelweko kurholela ekubuyabuyeleleni		<ul style="list-style-type: none"> Hlanganisa inomboro efanako ngokubuyelela ukufika e-20 Sebenzisa amatshwayo afaneleko (+, =, □) 	<ul style="list-style-type: none"> Buyabuyelela iinomboro ukusuka keyo-1 ukufika e-10 ngaku -2, 5, 3 neye- 4 ukwenza ama-50. Ukusebenzisa amatshwayo afaneleko (+, x, =, □) 	<ul style="list-style-type: none"> Buyabuyelela iinomboro ngeye 2, 3, 4, 5, 10 ukuhlanganisa i-100. Ukusebenzisa amatshwayo afaneleko (x, □) Hlukanisa iinomboro ukufika e-99 ngeye-2, 3, 4, 5, 10. Ukusebenzisa amatshwayo afaneleko (÷, =, □)
1.15 Ukuhlukanisa				

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUBALA OKUSEBUJAMENI OIBUTJAPHULUKILEKO	<p>Umqondo nomboro: Irherho ukufika e-20</p> <p>Umsetjenzana ngamunye uthoma ngeembalo zehloko:</p> <ul style="list-style-type: none"> Ukubala izinto zangamalanga Ukubala uyephambili nemuva inomboro sikhundla Waha izandla amahlandha amanengi/ambalwa Ngimaphi amahlandha wokuwahla amanengi khulu/ncani khulu/ nengi/ncanyana Ngiyiphi inomboro eza ngaphambili/ngemuva /hlangana 	<p>Umqondonomboro: Irherho ukufika e-99</p> <ul style="list-style-type: none"> Nikela inomboro ngaphambili namkha ngemuva kwenye inomboro. Hlela isede enikeliweko yeenomboro ezikhethiweko Madanisa inomboro ukufika e-20 bewutjho nokobana ngiyiphi enenginofana encani nga: 1, 2, 3, 4, 5, begodu nangali-10 	<p>Umqondonomboro: Irherho ukufika e-1000</p> <ul style="list-style-type: none"> Ukurhemisa iinomboro ezikhethiweko ngokwesede enikeliweko. Ukuqanathisa iinomboro ukufika e-1000 nokutjho bona ngiyiphi ekulu namkha encani nga: 1, 2,3,4,5 begodu nangali 10. 	<p>Umqondonomboro: Irherho ukufika e-1000</p> <ul style="list-style-type: none"> Ukurhemisa iinomboro ezikhethiweko ngokwesede enikeliweko. Ukuqanathisa iinomboro ukufika e-1000 nokutjho bona ngiyiphi ekulu namkha encani nga: 1, 2,3,4,5 begodu nangali 10.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUBALA OKUSEBUJAMENI OIBUTJAPHULUKILEKO				
1.16 limbalo zehloko	Amaqhinga wokubala Ukusebenzisa amaqhingga wokubala ukuhlanganisa nokukhupha ngekhono elifaneleko: <ul style="list-style-type: none">• Beka inomboro ekulu maqangi ukuze ubale uyephambilinofana ubale uye emuva• Inambalayini.• Ukubuyelela nokuhluukanisa• Ukwakha nokuphula• Ukusebenzisa ubudelwana obuphakathi okuhlanganisa nokukhupha.	Amaqhinga wokubala Ukusebenzisa amaqhingga wokubala ukuhlanganisa nokukhupha ngekhono elifaneleko: <ul style="list-style-type: none">• Beka inomboro ekulu maqangi ukuze ubale uyephambilinofana ubale uye emuva• Inambalayini.• Ukubuyelela nokuhluukanisa• Ukwakha nokuphula• Ukusebenzisa ubudelwana obuphakathi okuhlanganisa nokukhupha.	Amaqhinga wokubala Ukusebenzisa amaqhingga wokubala ukuhlanganisa nokukhupha ngekhono elifaneleko: <ul style="list-style-type: none">• Beka inomboro ekulu maqangi ukuze ubale uyephambilinofana ubale uye emuva• Inambalayini.• Ukubuyelela nokuhluukanisa• Ukwakha nokuphula• Ukusebenzisa ubudelwana obuphakathi okuhlanganisa nokukhupha.• Ukusebenzisa ubudelwana hlhangana bokubuyelela nokuhluukanisa.	Amaqhinga wokubala Ukusebenzisa amaqhingga wokubala ukuhlanganisa nokukhupha ngekhono elifaneleko: <ul style="list-style-type: none">• Beka inomboro ekulu maqangi ukuze ubale uyephambilinofana ubale uye emuva• Inambalayini.• Ukubuyelela nokuhluukanisa• Ukwakha nokuphula• Ukusebenzisa ubudelwana obuphakathi okuhlanganisa nokukhupha.• Ukusebenzisa ubudelwana hlhangana bokubuyelela nokuhluukanisa.• Sebenzisa bewutjho amafraktijini wohlavu olulodwa ajayelekleko okufakahlangana neengcezu, amakota, isithathu begodu nesihlanu njil• Ukubona amafraktijini ebujamani obuyidayagremu• Thoma ukulemuka bona iinqantu ezimbili namkha iinthathu ezintathu zenza ynye epheleleko nokuthi isiquntu esisodwa namakota amabili ziyaligana.• Tiola amafraktijini njengecezu elliodwa, iinthathu ezimbili
1.17 Amafraktijini.				

**UMBONOMAZOMBE WESIGABA ESISISEKELO
2. AMAPHETHENI, AMAFANKTJHINI NE-ALJBHRA**

Iragelo phambili lamaPhetheni, amaFanktjhini ne-Aljibhra.

- KumaPhetheni, amaFanktjhini ne-Aljibhra abafundi banikelwa amathuba wokuthi:
 - Baqedelele bebangenzelele amaphetheni ajanyiselwe ngeendela ezihlukeneko.
 - Bafanise bebahathulule amaphetheni.
- Ukuhlathulula amaphetheni kuleka isisekelo kubafundi besigaba esiphakathi ukuthi bahathulule imithetho yamaphetheni. Kwamva lokhu kuba ngendela ehlelekleko emsebenzini we-aljibra esigabeni esiphakathi.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
2.1 Amaphetheni weJyometri	<p>Ukuropa nokungezeleta. Ukuropa nokungezeleta amaphetheni alula ngokusebenzisa izinto eziponakalako kunye nemigwalo (isib. ngokusebenzisa imibala nobujamo)</p>	<p>Ukuropa, ungezelele bewuhlathulule Ukuropa, ungezelele bewuhlathulule ngamagama</p> <ul style="list-style-type: none"> • Amaphetheni arareneko eyenziwe ngezinto eziphathekako • Amaphetheni arareneko enziwa ngokugwala imida, ubujamonofana izinto. <p>Yenza bewuhlathulule amaphetheni wakho</p> <ul style="list-style-type: none"> • Ngezinto eziponakalako • Ngokugwala imida, ubujamonofana izinto <p>Amaphetheni asizombielezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJyometri</p> <ul style="list-style-type: none"> • Ngokwemvelo • Kusukela epilweni yangamalanga yesimoderi, • Asuka kwilifa lamasiko wethu 	<p>Ukuropa, ungezelele bewuhlathulule Ukuropa, ungezelele nokuhlathulula ngamagama</p> <ul style="list-style-type: none"> • Amaphetheni arareneko eyenziwe ngezinto eziphathekako • Amaphetheni arareneko enziwa ngokugwala imida, ubujamonofana izinto. <p>Yenza bewuhlathulule amaphetheni okungewakhe</p> <ul style="list-style-type: none"> • Ngezinto eziponakalako • Ngokugwala imida, ubujamonofana izinto <p>Amaphetheni asizombielezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJyometri</p> <ul style="list-style-type: none"> • Ngokwemvelo • Kusukela epilweni yangamalanga yesimoderi, • Asuka kwilifa lamasiko wethu 	<p>Ukuropa, ungezelele bewuhlathulule Ukuropa, ungezelele nokuhlathulula ngamagama</p> <ul style="list-style-type: none"> • Ngezinto eziphathekako • Ngokugwala imida, ubujamonofana izinto <p>Amaphetheni asizombielezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJyometri</p> <ul style="list-style-type: none"> • Ngokwemvelo • Kusukela epilweni yangamalanga yesimoderi, • Asuka kwilifa lamasiko wethu
2.2 Amaphetheni weenomboro	<p>Ukuropa, ukungezeleta nokuhlathulula Ukuropa, ungezelele bewuhlathulule ukulandelanisa kwenomboro elula ukufika e-100.</p> <p>Ukutlama nokuhlathulula amaphetheni okungewakhe</p>	<p>Ukuropa, ukwandisa nokuhlathulula Ukuropa, ukwandisa nokuhlathulula inomboro eziponakalako ukufika okungenani e-200.</p> <p>Ukutlama nokuhlathulula amaphetheni okungewakhe</p>	<p>Ukuropa, ukwandisa nokuhlathulula Ukuropa, ukwandisa nokuhlathulula inomboro eziponakalako ukufika okungenani e-999</p> <p>Ukutlama nokuhlathulula amaphetheni okungewakhe</p>	<p>Ukuropa, ukwandisa nokuhlathulula Ukuropa, ukwandisa nokuhlathulula inomboro eziponakalako ukufika okungenani e-999</p> <p>Ukutlama nokuhlathulula amaphetheni okungewakhe</p>

UMBONOMAZOMBE WESIGABA ESISISEKELO
3. ISIKHALA NOBUJAMO (IJYOMETRHI)

Iragelo phambili lesikhala nobujamo.

Iragelo phambili eliqakathiekiko lesikhala nobujamo liphumelele ngoku:

- Ngophisa emikghwieni emitjhha nematshwayeni wobujamo nezinto egreyidini enye nenyé begodu;
- Tjhida ekufundeni ilimi lobujamo nokumadanisa imibono ehlukeneko entweni eyodwa ekufundeni nekulanteleni iinkombatjhuba ezisemebheni engakahlekti.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
3.1 Ubjamо, ukujayeza nokubukela	Ilimi lobujamo Hlathulula ubujamo bento nokuhlobana kwenye nenyé isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe.	Ilimi lobujamo Hlathulula ubujamo bento nokuhlobana kwenye nenyé isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe.	Ubujamo nokubukela • UkuKhumbula nokumadanisa imibono ehlukeneko yezinto ezifanako zangamalanga.	Ubujamo nokubukela • Hlathulula ubujamo bento nokuhlobana kwenye nenyé isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe. Ubujamo nekombatjhuba • Ukulandela ikombatjhuba yokukhambakhamba ngetasini

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
3.2 Izinto ezibobusontathu (3-D)	<p>Irherho lezinto</p> <p>Ukubona nokutjho izinto ezibobusontathu (3-D) ezingetasini neenthombeni</p> <ul style="list-style-type: none"> Ubujamo bebbola Ubujamo bebboksi <p>Amatshwayo wezinto</p> <p>Hlathulula, hlukanisa ngemihlobo, umadanise izinto ezibusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> ngobukhulu ngombala ngezinto ezigedekekako ngezinto ezitjhelelako <p>Imisebenzi enqotjhiweko</p> <p>Ukusebenzisa izinto ze 3-D ezifana namabhlago wokwakha, izinto ezibuyelelweko njil. Ukwakha / ukuittama izinto .Isib umbhotjhongo, amabhlorho njil.</p>	<p>Irherho lezinto</p> <p>Ukubona nokutjho izinto ezibobusontathu (3-D) ezingetasini neenthombeni</p> <ul style="list-style-type: none"> Ubujamo bebbola (indulungu) Ubujamo bebboksi (iphrizimu) Isilinda Amaphiramidi. <p>Amatshwayo wezinto</p> <p>Hlathulula, hlukanisa ngemihlobo, umadanise izinto ezibusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> ngobukhulu / isayizi ngezinto ezigedekekako ngezinto ezitjhelelako <p>Imisebenzi enqotjhiweko</p> <p>Ukuyelela nokwakha izinto ze 3-D ngokusebenzisa iinsetjenziswa eziphathekako ezifana amabhlago wokwakha, izinto ezibuyelelweko, iinsetjenziswa zokwakha.</p>	<p>Irherho lezinto</p> <p>Ukubona nokutjho izinto ezibobusontathu (3-D) ezingetasini neenthombeni</p> <ul style="list-style-type: none"> Ubujamo bebbola (indulungu) Ubujamo bebboksi (iphrizimu) Isilinda Amaphiramidi. <p>Amatshwayo wezinto</p> <p>Ukuhlathulula, ukubeka ngeengaba nokumadanisa izinto ezibobusontathu (3-D) ngokuya nga:</p> <ul style="list-style-type: none"> Mabumbeko abobussobubili (2-D) lawo enza ubuso bezinto ezibusontathu (3-D) Mabala aparalekonofana ajikako. <p>Imisebenzi enqotjhiweko.</p> <ul style="list-style-type: none"> Ukuyelela nokwakha izinto ze 3-D ngokusebenzisa iinsetjenziswa eziphathekako ezifana namabumbeko we 2-D asikiweko, amabhlago wokwakha, izinto ezibuyelelweko, iinsetjenziswa zokwakha, nezinye izinto zejiyomethri ezi 3-D. 	

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
3.3 Ubujamo obubusobubili (2-D)	Ukukhumbula, ukubona begodu nokutjho ubujamo obubuso bubili obungettasini begodu neenthombeni, okufaka hlangana: <ul style="list-style-type: none">• Amatshwayo wabafundi.• Igama lettasi	Irhemo lamajamo Yazi bewutjho ubujamo obubusobubili (2-D) <ul style="list-style-type: none">• indulungu• uncantathu• isikwere• Uncamane.	Ubujamo obuhlukeneko. Yazi bewutjho ubujamo obubusobubili (2-D) <ul style="list-style-type: none">• Indulungu• Uncantathu• Isikwere• Uncamane.	Ubujamo obuhlukeneko. Yazi bewutjho ubujamo obubusobubili (2-D) <ul style="list-style-type: none">• Indulungu• Uncantathu• Isikwere• Uncamane.
3.4 Isimethri	Amatshwayo wamajamo Ukuhlathulula, ukuhlukanisa ngemihlobo, nokumadanisa amajamo abobusobubili (2-D) ngokuya nge/nga: <ul style="list-style-type: none">• bukhulu• jamo• mbala• amahlangothi athwi/anqophileko• amahlangothi andulungu/arondo.	Amatshwayo wamajamo Ukuhlathulula, ukuhlukanisa ngemihlobo, nokumadanisa amajamo abobusobubili (2-D) ngokuya nge/nga: <ul style="list-style-type: none">• bukhulu• jamo• amahlangothi athwi/anqophileko• amahlangothi andulungu/arondo.	Amatshwayo wamajamo Ukuhlathulula, ukuhlukanisa ngemihlobo, nokumadanisa amajamo abobusobubili (2-D) ngokuya nge/nga: <ul style="list-style-type: none">• bukhulu• jamo• amahlangothi athwi/anqophileko• amahlangothi andulungu/arondo.	Amatshwayo wamajamo Ukuhlathulula, ukuhlukanisa ngemihlobo, nokumadanisa amajamo abobusobubili (2-D) ngokuya nge/nga: <ul style="list-style-type: none">• bukhulu• jamo• amahlangothi athwi/anqophileko• amahlangothi andulungu/arondo.
	Isimethri <ul style="list-style-type: none">• Yazi isimethri ngowakho umzimba.	Isimethri <ul style="list-style-type: none">• Yazi isimethri ngowakho umzimba.	Isimethri <ul style="list-style-type: none">• Yazi isimethri ngowakho umzimba.• Yazi bewuthale umuda wesimethri kumajamo abobusobubili (2-D) wejiyomethri nalawo angasiwo wejiyomethri.• nalawo angasiwo wejiyomethri.• Ukukhetha umuda wesimethri ngokubhincia iphepha nokuveza isiboniso.	Isimethri <ul style="list-style-type: none">• Yazi bewuthale umuda wesimethri kumajamo abobusobubili (2-D) wejiyomethri nalawo angasiwo wejiyomethri.• nalawo angasiwo wejiyomethri.• Ukukhetha umuda wesimethri ngokubhincia iphepha nokuveza isiboniso.

UMBONOMAZOMBE WESIGABA ESSISEKELO
4. UKUMEDA

Iragelo phambili IokuMedia

- Iragelo phambili lokumeda ukweqela kamanye amagreyidi kuphumelete ngokungenisa lokhu:
 - iindleta ezitja zokumeda;
 - amathulusi amatjha wokumeda, ukuthoma ngamathulusi angakahaleki ukuya kunsetjenziswa zeemedo ezihelelekileko zegreyidi 2 neye 3;
 - amayunidi amatjha wokumeda, khulukhulu kugreyidi ye 2 neye 3.
- Ukubala nokurarulula imiraro yokumeda kufanele kuveze ilemuko lemisebenzi yeenomboro eselete yenzive.

INHLOKO		IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
4.1	Ukudlula kwasikhathi	Kukhulumma ngokudlula kwasikhathi	Ukudlula kwasikhathi	Kukhulumma ngokudlula kwasikhathi	
Isikhathi	<ul style="list-style-type: none"> Khulumma ngezintio ezenzeka emini nezintio ezenzeka ebusuku. Abafundi balandelanisa izehlakalo ezenzeka emini. Ukuhlela izehlakalo ezenzeka njalo emaphilweni wabo. 	<ul style="list-style-type: none"> • Hlela izehlakalo ezihelelekileko ezsuke epilweni yabo. • Ukumadanisa ubude besikhathi kusetjenziswa ilmi isib.iskhathi eside, isikhathi esifitjhani, masinyana, kabuthaka. • Ukulandelanisa izehlakalo kusetjenziswa ilmu ellifaka nokutti izolo, namhlanje, kussasa 			

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
4.2 Ubude	Ukumeda okungakahaleki <ul style="list-style-type: none"> Ukumadanisa nokuhela ubude, ukuphakamanofana ububanzi bezinto ezimbilinofanaezinengi ngokuzibeka enye eqadi kwenye. Ukusebenzisa ilimu ukukhulumanokufanisa Isib.ubude, ubufitjhani, omude nobubanzi. Ukulinganisa, ukumeda, ukumadanisa, ukuhela bewurekhode ubude usebenzise imedo ezisezingeni elingakahaleeki isib. Ubude besandia, igadango, ubude bepensela, izintozokubala. Hlathulula ubude bezinto ngokubala nokutjho ubude kumayunidi angakahaleki. 	Ukumeda okungakahaleki <ul style="list-style-type: none"> Ukumadanisa nokuhela ubude, ukuphakamanofana ububanzi bezinto ezimbilinofanaezinengi ngokuzibeka enye eqadi kwenye. Ukusebenzisa ilimu ukukhulumanokufanisa Isib.ubude, ubufitjhani, omude nobubanzi. Ukulinganisa, ukumeda, ukumadanisa, ukuhela bewurekhode ubude usebenzise imedo ezisezingeni elingakahaleeki isib. Ubude besandia, igadango, ubude bepensela, izintozokubala. Hlathulula ubude bezinto ngokubala nokutjho ubude kumayunidi angakahaleki. 	Ukumeda okungakahaleki <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela nobukrehoda ubude ngokusebenzisa iimedo ezisezingeni elingakahaleeki isib. Izandia, igadango, ubude bepensela, izintozokubala. Hlathulula ubude bezinto ngokubala nokutjho bona mangaki amayunidi wobude angakahaleki abekakhona. 	Ukumeda okungakahaleki <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela nobukrehoda ubude ngokusebenzisa iimedo ezisezingeni elingakahaleeki isib. Izandia, igadango, ubude bepensela, izintozokubala. Hlathulula ubude bezinto ngokubala nokutjho bona mangaki amayunidi wobude angakahaleki abekakhona.
4.3 Ubungako/ubudisi	Ukulinganisa okungakahaleki <ul style="list-style-type: none"> Ukumadanisa nokuhela ubudisi bezinto ezimbili namkha ngaphezulu ngokuzizwa namkha ngokusebenzisa isikala esimedako. 	Ukulinganisa okungakahaleki <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela, bekurekhodwe ubudisi, kusetienziswaisikala sokudzimelela nesilinganiso esingakahaleki isib. Amabhlago, iintina njil. Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahaleki. 	Ukulinganisa okungakahaleki <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela nobukrehoda ubude ngokusebenzisa isikala sokudzimelela nesilinganiso esingakahaleki isib. Amabhlago, iintina njil. Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahaleki. 	Ukulinganisa okungakahaleki <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela nobukrehoda ubude ngokusebenzisa isikala sokudzimelela nesilinganiso esingakahaleki isib. Amabhlago, iintina njil. Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahaleki.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
4.3 Ubungako/ ubudisi		<p>Ukwethula ukulinganisa okuhlelekieko</p> <ul style="list-style-type: none"> Ukumadanisa, ukuhlela nokurekhoda ubudisi beempakana zezinto zehrwebo lezo ubudisi bazo bubalwe ngamakhilogrammu lsib. - Amakhilogrammu ama-2 wereyisi nekhilogrammu e-1 yeflowuru. - Ngamagremu lsib amagremu ama-500 wetshwayi. 	<p>Ukwethula ukulinganisa okuhlelekieko</p> <ul style="list-style-type: none"> Ukumadanisa, ukuhlela nokurekhoda ubudisi beempakana zezinto zehrwebo lezo ubudisi bazo bubalwe ngamakhilogrammu lsib. - Amakhilogrammu ama-2 wereyisi nekhilogrammu e-1 yeflowuru. - Ngamagremu lsib amagremu ama-500 wetshwayi. 	<p>Ukwethula ukulinganisa okuhlelekieko</p> <ul style="list-style-type: none"> Balinganise ubudisi babo ngamakhilogrammu ngokusebenzia isikala sangendlini yokuhlambela.
4.4 Umthamo/ lvolumu		<p>Ukumeda okungakahleleki</p> <ul style="list-style-type: none"> Ukumadanisa nokuhlela ubungako okusamanzi (umthamo) okuseemumathini ezimbili ezibekwe enye eduze kwenye. Abafundi bazo kuhola ngokuthela esimumathini sesithathu nakunesidingo. Ukumadanisa nokuhlela ubungako balokho okusamanzi okungaphathwa ziiumathu ezimbili nazizallisiweko. Sebenzisa ilimi ukukhuluma ngokufana lsib okunengi, okuncani, ni, okuzeleko, okunganalitho 	<p>Ukumeda okungakahlelewa</p> <ul style="list-style-type: none"> Ukumadanisa nokuhlela ubungako okusamanzi (umthamo) okuseemumathini ezimbili ezibekwe enye eduze kwenye. Abafundi bazo kuhola ngokuthela esimumathini sesithathu nakunesidingo. Ukumadanisa nokuhlela ubungako balokho okusamanzi okungaphathwa ziiumathu ezimbili nazizallisiweko. Sebenzisa ilimi ukukhuluma ngokufana lsib okunengi, okuncani, ni, okuzeleko, okunganalitho 	<p>Ukumeda okungakahlelewa</p> <ul style="list-style-type: none"> Ukumadanisa nokuhlela ubungako okusamanzi (umthamo) okuseemumathini ezimbili ezibekwe enye eduze kwenye. Abafundi bazo kuhola ngokuthela esimumathini sesithathu nakunesidingo. Ukumadanisa nokuhlela ubungako balokho okusamanzi okungaphathwa ziiumathu ezimbili nazizallisiweko. Sebenzisa ilimi ukukhuluma ngokufana lsib okunengi, okuncani, ni, okuzeleko, okunganalitho Ukulinganisa, ukumeda, ukumadanisa, ukuhlela nokurekhoda umthamo weemumathu (lsib, ubunengi isumumathu esikghona ukuphatha nasizalisiveko) ngokusebenzia izinto zokumeda ezingakahleleki lsib, lingobho neenkomiti.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
4.4 Umthamo/ lvolumu	<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahlekei angazalisa isimumathi isib. Ihoddele linomthamo weenkomiti ezine. 	<p>Ukwethula ukumeda okuhlelekileko.</p> <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhela nokurekhoda ubungako bezinto ngokumeda ngamalitha, isiquntu selitha nekota yamalitha 	<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahlekei angazalisa isimumathi isib. Ihoddele linomthamo weenkomiti ezine. 	<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahlekei angazalisa isimumathi isib. Ihoddele linomthamo weenkomiti ezine.
4.5 Ipherimitha nobungako bendawo				

UMBONOMAZOMBE WESIGABA ESSISEKELO
5. UKUPHATHA IDATHA

Iragelo phambili lokuphatha idatha.

- Iragelo phambili lokuphatha idatha ukwaeqela kamanye amagreyidi kuphumelele ngoku:
 - Ukuñjida ekusebenzeni ngezinto ukuya ekusebenzeni nedatha, kanye
 - Ngokusebenza neendlela ezita zokwethulwa kwedatha.
- Abafundi kufanele basebenze ngomzombe wedatha opheleleko okungenani kanye ngonyaka-lokhu kufaka ukubuthelela nokuhlelwa kwedatha, ukujamisela idatha, ukuhaziya idatha, ukurhumiñjha idatha nokubika idatha.
- Amanye wamaphuzu wokuphatha idatha angasetjenziswa nemisebenzi ehlukene.

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
5.1 Ukubuthelela nokuhlela izinto ngemihlolo	Ukubuthelela nokuhlela izinto ngemihlolo Ukubuthelela nokuhlela izinto ezibonakalako ngemihlolo	Ukubuthelela nokuhlela izinto ngemihlolo Ukubuthelela nokuhlela izinto ezibonakalako ngemihlolo		
5.2 Ukujamiselela ibuthelelo lezinto elihlelekileko	Ukujamiselela ibuthelelo lezinto elihlelekileko Ukugwala iinthombe zezinto ezibuthelelweko (iphikthografi).	Ukujamiselela ibuthelelo lezinto elihlelekileko Ukugwala iinthombe zezinto ezibuthelelweko		
5.3 Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko	Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko Phendula imibuzo ngokuthi: <ul style="list-style-type: none"> • Okubuthelelweko kwahlelwa ngemihlobohlolo bunjani? (umkhizizo) Imigwalo yebuthelelo.	Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko Phendula imibuzo ngokuthi: <ul style="list-style-type: none"> • Okubuthelelweko kwahlelwa ngemihlobohlolo bunjani? (umkhizizo) 	<ul style="list-style-type: none"> • Phendula imibuzo ngokuthi:<ul style="list-style-type: none"> - Ukuñjelwa ngemihlolo kwensiwa bunjani (indleta yekambiso) - Okubuthelelweko kwahlelwa ngemihlobohlolo bunjani? (umkhizizo) • Hlathulula okubuthelelweko nemigwalo ngemihlolo • Hlathululo bona okubuthelelweko kuhlelwe bunjani 	

INHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
5.4 Ukubuthelela nokuhlela idatha	Ukubuthelela nokuhlela idatha	Ukubuthelela nokuhlela idatha	Ukubuthelela nokuhlela idatha	Ukubuthelela nokuhlela idatha
	<ul style="list-style-type: none"> Buthelela idatha yetlasinofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere 	<ul style="list-style-type: none"> Buthelela idatha yetlasinofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere 	<ul style="list-style-type: none"> Buthelela idatha yetlasinofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere Ukuhlela idatha enikelwe ngutijhere namkha incwadi yomsebenzi/ incwadi yokufunda Hlela idatha ukuya nge: <ul style="list-style-type: none"> - Amarhelo - Amathali - Amathebula 	<ul style="list-style-type: none"> Buthelela idatha yetlasinofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere Ukuhlela idatha enikelwe ngutijhere namkha incwadi yomsebenzi/ incwadi yokufunda Hlela idatha ukuya nge: <ul style="list-style-type: none"> - Amarhelo - Amathali - Amathebula
5.5 Ukujamiselela idatha	Ukujamiselela idatha	Ukujamiselela idatha	Ukujamiselela idatha	Ukujamiselela idatha
	<ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. 	<ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. 	<ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. 	<ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. Ibhagrafi
5.6 Bahlaziya bebarhumutjhe idatha	Bahlaziya bebarhumutjhe idatha	Bahlaziya bebarhumutjhe idatha	Bahlaziya bebarhumutjhe idatha	Bahlaziya bebarhumutjhe idatha
			<ul style="list-style-type: none"> Ukuphendula imibuzo ngedatha yeemkhawulo esegrafini yeenthombe ngakunye nakunye ngokukhambelana. 	<ul style="list-style-type: none"> Ukuphendula imibuzo ngedatha yeemkhawulo esegrafini yeenthombe ngakunye nakunye ngokukhambelana. Ibhagrafi

3.3 IHLATHULULO LOKUMUMETHWEKO

Kilesi isigaba sokumumethweko okuhlathululako, utitjhere unikelwe loku:

- Umbonomazombe wegreyidi R-3
- Iintjhukumezo zeenhloko ngokulandelanako ngokuya ngamathemu; ingasi woke amahlangothi wezinye iinhloko zoke owafundiswa kiwo woke amthemu. Amanye amahlangothi wezinye iinhloko afuna ukufundiswa ngaphambili kwamanye amahlangothi wezinye iinhloko.
- Ibelo elitjhukunyeziweko leenhloko ngonyaka, njengombana okhunye okumumethweko kudinga isikhathi esinengi kunesinye, ngokunjalo ezinye zeenhloko zidinga isikhathi esinengi kunezinye.
- Amanothi atlhadihlulako nomhlahlandlela wokufundisa aneembonelo nakufaneleko.

Esinye nesinye isigaba sokumumethweko siphulwe saba ziinhloko. Zoke iingaba zokumumethweko kufanele zifundiswe kuwo woke amthemu. Ukulandelanisa kweenhloko ngokwamathemu kunikela umqondo wokuthi iinhloko zingasabalaliswa bezibuyekezwu unyaka woke. Akukakateleki ukufundisa zoke iinhloko zeSikhala nobujamo, ukumeda nokuphatha iDatha ngawowoke amthemu, kodwana, zoke iinhloko kufanele zifundiswe phakathi konyaka.

Esahlukweni 2 (ipharagrafu 2.6) ukulinganisa kwesigaba sokumumethweko sinikeliwe. Nange lokhu kuhlanganisa nama-iri anikelweko ngomnyaka umuntu angabalisa isikhathi esinikelweko kwesinye nesinye isigaba sokumumethweko.

Abotitjhere bangakhetha ukulandelanisa (ukuhlela) nokubeka igadango okumumethweko ngokuhlukileko kunalokho okuphakanyisiweko kilesi isahluko. Abotitjhere bangatjhugulula inani lesikhathi esinikelweko esihlokweni kancani, kodwana kufanele kutjhejwe ukuthathwa kokuhlobana kwama –iri wokulinda nesikhathi esibekiweko sesigaba, sokumumethweko eembalweninofana esiGabeni esisiSekelo.

- **EGreyidini-R** iMathamethiksi ibunjwe ngendlela omhlobo weembalo ezivumbukako. Ngakho-ke kufanele bona kuyeletwe bonyana akukafaneli kuphulwe kube isikhathi sezifundo. Utitjhe we greyidi R ufanele alukelele iimbalo emisetjenzaneni yabafundi yangamalanga. Nanyana isikhathi sokufundisa iimbalo kufanele sibekelwe lapho utitjhere azokunqophya emisebenzini yokufundisa iimbalo kwaphela, nakungasinjalo abafundi angeke balemukenofana bathuthukise iminqopho namakgono weembalo.
- Isikhathi samagreyidi 1-3 sabiwe ngale indlela
 - **Ama-iri alikhomba kufanele asetjenziselwe iimbalo ngeveke** (10×4 yamathemu $\times 7$ yama-iri = 280 yama-iri ngonyaka).
 - Zoke iimfundo zeembalo kufanele zibe **li-iri nemizuzu ema 24 ngelanga emagreyidini 1-3**.
 - Lokhu kutjho ukuthi kunamathemu amane wemveeke ezi-10 ezinamalanga amahlanu (ngomvulo ukuya kulosihlanu) weemfundo ngeveke.
 - Thatha iveke ukujayeza nokuhlanganisa njalo ekuthomeni kenyenene themu, njengombana abantwana abancani bakhohlwa okumumethweko okunengi ngesikhathi sokuphumula begodu balahlekelwa naligido lokufunda. Nikela iveke eyodwa njalo ekupheleni kwethemu uhlanganise imiqondo. Lokhu kunikela $8 \times 4 \times 5 = 160$ yeemfundo.

3.4 UKULANDELANISA NOKUHLELA OKUMUMETHWEKO

Amathebulala landelayo anikelwe igreyidi enye nenyenye emaGreyidi ku R-3.

- Ukubeka igadango leenhloko lonyaka woke (kutjengisa ukusabalaliswa kweenhloko ngamathemu woke, bebuphakamise inani lesikhathi okufanele sicithwe kesinye nesinye isihloko sesinye nesinye isigamu sokumumethweko).
- Ukulandelanisa iinhloko konyaka woke (kutjengisa bonyana iinhloko zahlukaniswe bunjani ngamathemu nokuragela phambili kokumumethweko namakghono ngokuya ngamathemu).

IIMBALO ZEGREYIDI R

- Amanothi wokuhlathulula ngokuya ngesihloko-amathebula lawo anikela ihlathululo lokumumethweko nomhlahlandlela wokufundiswako yesinye nesinye isihloko njengombana zilandelisiweko emathemini woke.

Ukuhlela Isifundo – Ukunikela Isihloko Sethemu

Inomboro sihloko esiqakathike khulu Eembalweni zeSigabenii Esisisekelo. Esikhathini esinungi kwenye nenyiveke, ithemu, nonyaka inqophe eeNomborweni, Ukusebenza Nobudlelwana. Ngokulingeneko, iimfundoeentathunofana ngaphezulu zeeMbalo kufanelezinqophe eeNomborweni, Ukusebenza Nobudlelwana kwenye nenyiveke. Isikhath esiseleko sihlukaniselwa iingaba zokumumethweko ezinye.

Isikhala noBujamo nokuMeda zifuna isikhathi esinengi kunokuPhatha iDatha namaPhetheni, amaFanktjhini ne-Aljibhra. Ithebula elingenzasi linikela isitjengiso sokobana ziimfundoezingaki okufanelezinkelwe esinye nesinye isigaba sokumumethweko nesihloko kwenye nenyigreyidi kuma Phetheni, amaFanktjhini ne-Aljibhra, Isikhala noBujamo, Ukumeda nokuphatha iDatha:

- **Ukwabela iGreyidi R iingaba zokumumethweko neenhloko eemfundweni**

Njenge **Greyidi R**, limbalozithatha ubujamo be**Mbalo Ezisathomako** ngalokho ke isikhathi esilandelako esiphakanyisiweko sinikela zombili izehlakalo zeeMbalo ezinqophileko nemisetjenzana ehlangeneko engakahlelelwa. Lokhu kwenzelewe ukuqinisekisa ukufundiswa ngokuzeleko kwakho koke okumumethweko okukhona. Imisetjenzana yeeMbalo Ezivumbukako kungaba kubala inani lama puleyiti neembhigiri okufanele bazikhuphele ukufaka isibuyisamathe sabo, imidlalo yokubala edlalwa ngaphandle imidlalo yangendlini efana nama Domino namaphazili wejiksara, njll. Utitjhere kufanele ahlele kuhleyoke imisetjenzana ngokuya ngokweendingo zabantwana bakhe neensetjenziswa ezikhona getlasini lakhe.

Isikhala noBujamo yingcenyeqakathekileko yokuthuthukisa i-liMbalo yomfundiomncani begodu kufanele busatjalaliswe iveke yoke, ngezehlakalo ezithize ezinqophileko ngaphasi kokukhokhelwa ngutitjhere, abafundi banikelwe amathuba amanengi wokwakha, ukndlala umdlalo wesanda namanzi.

Ukumeda kufanele kufakwe hlangana emisetjenzaneni yokubala, isib. Ukufunisela/ ukulinganisa nokubala lokha kumedwa ibanga ngezandla, iinyawo namagadango.

Irejistara yokubakhona netjhadi lobi ujamo bezulu zinikela amathuba aneleko wokusebenza ngoku**Phatha iDatha**.

Ithebula 3.1 Isikhathi esinikelweko ngokuya ngokumumethweko ngeveke

lingaba zokumumethweko	linhloko	Isikhathi Esiphakanyisiweko
linomboro, ama-Opharetjhini noBudlelwano	Ukubala Ukukhumbula Inomboro Ukubona nokurhumutjha iinomboro ezipheleleko Inomboro oyibona ngamehlo wengcondo Ukurarulula imiraro	imizuzu eli-120
Amaphetheni, amaFanktjhini ne-Aljibhra	Ukukopulula, ukulula nokutlama amaphetheni wakhe.	imizuzu ema-80
Isikhala noBujamo (Jiyomethri)	Ukukhumbula, nokutjho iinthombe/ibumbeko ezinobujamo obubusobibili (2-D) Amabumbeko weJiyomethri. Ukwakha izinto ezinobujamo abobusontathu (3-D) usebenzise imatheriyali ephathekako Ubudlelwana bendawo linkombatjhuba	imizuzu ema-80
Ukumeda	Isikhathi Ubude Imasi / ubungakho/ ubunengi Umthamo	imizuzu ema- 80
Ukuphatha iDatha	Ukubuthelela, ukuhlela ngamananeko, ukugwala, ukufunda nokujamisela idatha.	imizuzu ema-60
INANI		imizuzu ema 420 (ama iri ali 7 ngeveke)

- Isabelo seGreyidi yoku-1 sokumumethweko neenhloko zeemfundo emaGreyidini woku-1ukuya kwe-3**

Ngokulingeneko iimfundu ezintathu (o.u hlangana kwama-iri ama-4 nama-iri ama-4½) ngeveke zisetjenziselwa iiNomboro, ama-Opharetjhini noBudlelwano emagreyidini woku -1, wesi-2 nawesi-3. Iimfundu ezimbili eziseleko (o.u hlangana kwama-iri ama-2½ nama-iri ama-3) zihlukaniswa hlangana neenhloko zokhunye okumumethwekonukuya ngendlela ekuphakanyiswe ngayo ngenzasi.

Ithebula 3.2 Inani leemfundo eliphakanyisiweko ngokuya ngokumumethweko nangeThemu yeGreyidi yoku-1

lingaba zokumumethweko	linhloko	IThemu yoku-1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	Inani
linomboro, ama- Opharetjhini Nobudlelwano	linhloko zoke zeenomboro, ama-Opharetjhini noBudlelwano	22	30	28	25	105
Amaphetheni, amaFanktjhini ne-Aljibhra	Amaphetheni weenomboro	3	3	3	3	12
	Amaphetheni weJiyomethri	1	1	1	1	4
Isikhala noBujamo (Jiyomethri)	Amajamo abusobibili (2-D)		3		3	6
	Izinto ezibusontathu (3-D)	3		2	1	6
	Ubujamo, ukujayeza nokubukela	2			1	3
	Isimethri			1	1	2
Ukumeda	Isikhathi	2				2
	Ubude	2		2		4
	Ubudisi	2			2	4
	Umthamo/iVolumu	1	2		1	4
Ukuphatha iDatha	Ukubuthelela, ukuhlela ngemihlobo, ukujamisela nokurhumutjha izinto.	2	1			3
	Umzombe wedatha opheleleko			3		3
	lingaba zomzombe wedatha				2	2
Inani leemfundo		40	40	40	40	160

IIMBALO ZEGREYIDI R

Ithebula 3.3 Inani leemfundo eziphakanyisiweko ngokuya ngeGreyidi yesi- 2

lingaba zokumumethweko		linhloko	IThemu yoku-1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	Inani
linomboro, ama-Opharetjhini Nobudlelwano		linhloko zoke zeenomboro, ama-Opharetjhini noBudlelwano	24	25	24	26	99
Amaphetheni, amaFanktjhini ne-Aljibhra		Amaphetheni weenomboro	3	3	3	3	12
		Amaphetheni weJiyomethri	1	1	1	1	4
Isikhala noBujamo (Jiyomethri)		ubujamo obubusobubili (2-D)		3		3	6
		Izinto ezibobusontathu (3-D)	3		2	1	6
		Ubujamo, ukujayeza nokubukela		2	1		3
		Isimethri		1		1	2
Ukumeda		Isikhathi	3	1	3	1	8
		Ubude	3			1	4
		Ubudisi		3		1	4
		Umthamo/iVolumu			3	1	4
Ukuphatha idatha		Umzombe wedatha opheleleko	3		3		6
		lingaba zomzombe wedatha		1		1	2
Inani leemfundo			40	40	40	40	160

Ithebula 3.4 Inani leemfundo eziphakanyisiweko ngokuya ngeGreyidi yesi- 3

lingaba zokumumethweko		linhloko	IThemu yoku -1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	Inani
linomboro, ama-Opharetjhini Nobudlelwano		linhloko zoke zeenomboro, ama-Opharetjhini noBudlelwano	26	22	19	27	94
Amaphetheni, amaFanktjhini ne-Aljibhra		Amaphetheni weenomboro	3	3	3	3	12
		Amaphetheni weJiyomethri	1	1	1	1	4
Isikhala noBujamo(Jiyomethri)		ubujamo obubusobubili (2-D)	2		2		4
		Izinto ezibusontathu (3-D)		3	3	1	7
		Ubujamo, ukujayeza nokubukela		2	3		5
		Isimethri		2		1	3
Ukumeda		Isikhathi	3	2	3	2	10
		Ubude		2	2		4
		Ubudisi		2		1	3
		Umthamo/iVolumu	2			1	3
		iPherimitha			1		1
		Ubungako bendawo				2	2
Ukuphatha idatha		Umzombe wedatha opheleleko	3		3		6
		lingaba zomzombe wedatha		1		1	2
Inani leemfundo			40	40	40	40	160

• Umbono mazombe weGreyidi R ngethemu

UMBONOMAZOMBE WEGREYIDI R
1. IINOMBORO, AMA-OPARETJHINI NOBUDLELVANA

COUNTING	INHLOKO	THEMU 1	THEMU 2	THEMU 3	THEMU 4
1.1	Ukubala izinto (inganisa begodu ubale izinto ukuthuthukisa umqondonomboro)	<p>Irherho leenomboro kusuka ku: 1-5</p> <ul style="list-style-type: none"> Kunye - nakunye – okukhambelanako. <p>Ethula Itjhadi Lomsizi nelandelano lokupha / lokunkikela iinqabuli</p> <ul style="list-style-type: none"> Bala ngakunye - linsefenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukgida ngenyawo - Intepisi zokukhwela • Ukubala okungakahleleki: Imilolozelo neengoma zeenomboro. 	<p>Irherho leenomboro kusuka ku: 1-7</p> <ul style="list-style-type: none"> Kunye - nakunye – okukhambelanako. <p>Ukuqinisa Itjhadi Lomsizi ngamalanga.</p> <ul style="list-style-type: none"> Bala ngakunye - linsefenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukgida ngenyawo - Intepisi zokukhwela • Ukubala okungakahleleki: Imilolozelo neengoma zeenomboro. 	<p>Irherho leenomboro kusuka ku: 1-10</p> <ul style="list-style-type: none"> Kunye - nakunye – okukhambelanako. <p>Ukuqinisa Itjhadi Lomsizi ngamalanga.</p> <ul style="list-style-type: none"> Bala ngakunye - linsefenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukgida ngenyawo - Intepisi zokukhwela • Ukubala okungakahleleki: Imilolozelo neengoma zeenomboro. 	<p>Irherho leenomboro kusuka ku: 0-10</p> <ul style="list-style-type: none"> Kunye - nakunye – okukhambelanako. <p>Ukuqinisa Itjhadi Lomsizi ngamalanga.</p> <ul style="list-style-type: none"> Bala ngakunye - linsefenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukgida ngenyawo - Intepisi zokukhwela • Ukubala okungakahleleki: Imilolozelo neengoma zeenomboro.
1.2	Ukubala uye phambili nemuva	<p>Irherho leenomboro kusuka ku: 1</p> <p>Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba.</p> <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	<p>Irherho leenomboro kusuka ku: 1-4</p> <p>Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba.</p> <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	<p>Irherho leenomboro kusuka ku: 1-7</p> <p>Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba begodu nelere yeenomboro.</p> <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	<p>Irherho leenomboro kusuka ku: 0-10</p> <p>Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba begodu nelere yeenomboro.</p> <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.3 Amatshwayo weenomboro namabizo weenomboro (Ukulemuka nokubona amatshwayo weenomboro begodu ulemuke amagama weenomboro)	<p>Irherho lenomboro:</p> <ul style="list-style-type: none"> • Amatshwayo weenomboro: ku- 1 • Amabizo weenomboro: kunye <p>Irherho lenomboro:</p> <ul style="list-style-type: none"> • Amatshwayo weenomboro: ku- 2 • Amabizo weenomboro: kibili, kuthathu, kune. <ul style="list-style-type: none"> - Okuphathelene nokusikinyeka komzimba (tjengisa ngomzimba) - Phathekako ngezinto ezibuso buthathu i- 3-D okufaka hlangana iinomboro ku- 2, 3 noku-4. - Okupheze kuphatheke ngamakarada weenthombe afaka hlangana inomboro u ku-2, 3.noku-4. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana inomboro uku-2, 3, noku-4. - Qinisa ilwazi elitholakeleko elifaka hlangana inomboro uku- 1. 	<p>Irherho lenomboro:</p> <ul style="list-style-type: none"> • Amatshwayo weenomboro: ku - 2 • Amabizo weenomboro: kibili, kuthathu, kune. <ul style="list-style-type: none"> - Okuphathelene nokusikinyeka komzimba (tjengisa ngomzimba) - Phathekako ngezinto ezibuso buthathu i- 3-D okufaka hlangana iinomboro ku- 2, 3 noku-4. - Okupheze kuphatheke ngamakarada weenthombe afaka hlangana inomboro u ku-2, 3.noku-4. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana inomboro uku-2, 3, noku-4. - Qinisa ilwazi elitholakeleko elifaka hlangana inomboro uku- 1. 	<p>Irherho lenomboro:</p> <ul style="list-style-type: none"> • Amatshwayo weenomboro: 5 kuya ku li- -7 • Amabizo weenomboro kuhlanu, sithandathu, likhomba <ul style="list-style-type: none"> - Okuphathelene nokusikinyeka komzimba (tjengisa ngomzimba) - Phathekako ngezinto ezibuso buthathu i- 3-D okufaka hlangana iinomboro li- 0, 8, 9, ne -10. - Okupheze kuphatheke ngamakarada weenthombe afaka hlangana iinomboro li-0, 8, 9 ne-10. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Qinisa ilwazi elitholakeleko elifaka hlangana inomboro 1-10. 	<p>Irherho lenomboro:</p> <ul style="list-style-type: none"> • Amatshwayo weenomboro: li- 0 ukuya kuli- 10 • Amabizo weenomboro ilize, ubunane, lithoba, litjhumi <ul style="list-style-type: none"> - Okuphathelene nokusikinyeka komzimba (tjengisa ngomzimba) - Phathekako ngezinto ezibuso buthathu i- 3-D okufaka hlangana iinomboro li- 0, 8, 9, ne -10. - Okupheze kuphatheke ngamakarada weenthombe afaka hlangana iinomboro li-0, 8, 9 ne-10. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Okupheze kuphatheke ngamakarada wamacatjhazi afaka hlangana iinomboro uku-5, 6, ne-7. - Qinisa ilwazi elitholakeleko elifaka hlangana inomboro 1-10.

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
UKULEMUKA IINOMBORO				
1.4 Ukuhlatihulula, ukumadanisa nokuhela iinomboro	Sebenzisa iinomboro ebujameni obujayelekileko <ul style="list-style-type: none">Umfundsi kufanele azi iminyaka yakhe. (ukusebenzisa iinomboro ebujameni obujayelekileko)	Sebenzisa iinomboro emajameni ajayelekileko <ul style="list-style-type: none">Umfundsi kufanele azi iinomboro yendlu yakwabo begodu / nesiphande sakhonaUkuzalisa irejistara yokuba khona yangamalanga. Isib.Umfundsi onetshwayo namkha isithombe se-ayisisikhimu ukhona na namhlanje?Umfundsi onegama lakaSipho ukhona na namhlanje?Ingabe umfundsi onebizo lakaSipho Sibusiso nesibongo sakwaMahlangu ukhona na namhlanje?	Sebenzisa iinomboro emajameni ajayelekileko <ul style="list-style-type: none">Umfundsi kufanele azi iinomboro zomtato wekhabo begodu /nofana zakamaliliedinini wekhabo. (iinomboro zokuthintana zomzali)Qinisa ukusetjenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma. Isib.Umfundsi ugijdinga ilang laithe lamabeletho mhlana amalanga ali-16 kumatihi / Ntaka ukhona namhlanje?Umfundsi abahlala enomborweni yendlu i-123 ukhona na namhlanje?Umfundsi ohlala enomborweni 123 ku Wendy Street ukhona na namhlanje?Umfundsi oneenomboro zomtato/ zikamaliliedinini 082 123 4567 ukhona na namhlanje?Lemuka iinomboro eenthombeni begodu nemakaradeni wamacatjhazi.Dlala imidhalo yamakarada weenomboro.	Sebenzisa iinomboro emajameni ajayelekileko <ul style="list-style-type: none">Qinisa ilwazi elimayelana nomnyaka, iinomboro yendlu, isiphande, iinomboro yekhaya yomtato / iinomboro kamaliliedinini (iinomboro zokuthintana)Qinisa ukusetjenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma.Bangaki abafundi abalovileko namhlanje? Singathola njanji? Abantwana bacoca ngalokhu:<ul style="list-style-type: none">- Funisela / Raya;- Bala amalokhara aanganalitho;- Bala iinhalo ezinganabantu njilBona iinomboro eenthombeni nemakaradeni wamacatjhaziDlala umdhalo wamakarada weenomboroBona iinomboro eenkhangisweni / emafayeni, emakaradeni wakade welanga lamabeletho. Sebenzisa iinomboro emajameni ajayelekileko <ul style="list-style-type: none">Qinisa ukusetjenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma. Isib.Umfundsi ugijdinga ilang laithe lamabeletho mhlana amalanga ali-16 kumatihi / Ntaka ukhona namhlanje?Umfundsi abahlala enomborweni yendlu i-123 ukhona na namhlanje?Umfundsi ohlala enomborweni 123 ku Wendy Street ukhona na namhlanje?Umfundsi oneenomboro zomtato/ zikamaliliedinini 082 123 4567 ukhona na namhlanje?Bona iinomboro eenthombeni nemakaradeni wamacatjhaziDlala umdhalo yamakarada weenomboro.Bona iinomboro eenkhangisweni / emafayeni, emakaradeni wakade welanga lamabeletho.

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
UMQONDWO WENOMBORO (UBUDLELWANO)				
1.4 Ukuhlathulula, ukumadanisa nokuhela iinomboro (ukuhona nokuhlathulula iinomboro ezizeleko)	<p>Irherho lenomboro iinomboro ukusukela ku: 1</p> <p>Bona begodu uhlathulule iinomboro ezizeleko kufika kuku-1</p> <p>Madanisa bona ngilphi lamabuthelelo amabili wezinto onikelwe wona ezi:</p> <ul style="list-style-type: none"> • Okukhulu nokuncani • Okukhulwana nokuncazana. • Okukhulu khulu nokuncani khulu (ukukwethula iminqopho) • Hlela amabuthelelo wezinto adlula kwamabili onikelwe wona kusuka kwencaniwkhulu ukuya kwe khulu khulu begodu kusuka kwe khulu khulu ukuya kwencani khulu. <p>a) Okukhulu nokuncani</p> <p>b) Okukhulwana nokuncazana.</p> <p>c) Okukhulu khulu nokuncani khulu</p> <p>Madanisa bona ngilphi lamabuthelelo amabili wezinto onikelwe wona ezi:</p> <p>a) nengi kuna b) ncani kuna c) lingana na (kufana na)</p>	<p>Irherho lenomboro inomboro ukusukela ku: 1 ukuya kuku-5</p> <ul style="list-style-type: none"> • Bona begodu uhlathulule iinomboro ezizeleko ku-2, 3 ukuya kuku-4 • Qinisa iinomboro ku-1 ukuya kuku-4 <p>Madanisa bona ngilphi lamabuthelelo amabili wezinto onikelwe wona ezi:</p> <ul style="list-style-type: none"> • Okukhulu nokuncani • Okukhulwana nokuncazana. • Okukhulu khulu nokuncani khulu (ukukwethula iminqopho) • Hlela amabuthelelo wezinto adlula kwamabili onikelwe wona kusuka kwencaniwkhulu ukuya kwe khulu khulu begodu kusuka kwe khulu khulu ukuya kwencani khulu. <p>a) nengi kuna b) ncani kuna c) lingana na (kufana na)</p>	<p>Irherho lenomboro inomboro ukusukela ku: 1 ukuya ku li-7</p> <ul style="list-style-type: none"> • Bona begodu uhlathulule iinomboro ezizeleko ku-5, 6 ukuya kuli-7. • Qinisa iinomboro ku-1 ukuya kuli-7 <p>Madanisa bona ngilphi lamabuthelelo amabili wezinto onikelwe wona ezi:</p> <ul style="list-style-type: none"> • Okukhulu nokuncani • Okukhulwana nokuncazana. • Okukhulu khulu nokuncani khulu (ukukwethula iminqopho) • Hlela amabuthelelo wezinto adlula kwamabili onikelwe wona kusuka kwencaniwkhulu ukuya kwe khulu khulu begodu kusuka kwe khulu khulu ukuya kwencani khulu. <p>a) nengi kuna b) ncani kuna c) lingana na (kufana na)</p>	<p>Irherho lenomboro iinomboro ukusukela e: 0</p> <ul style="list-style-type: none"> • Bona begodu uhlathulule iinomboro ezizeleko kubu-8, 9, ukuya kuli-10 • Qinisa iinomboro 0 -10 <p>Madanisa bona ngilphi lamabuthelelo amabili wezinto onikelwe wona ezi:</p> <ul style="list-style-type: none"> • Okukhulu nokuncani • Okukhulwana nokuncazana. • Okukhulu khulu nokuncani khulu (ukukwethula iminqopho) • Hlela amabuthelelo wezinto adlula kwamabili onikelwe wona kusuka kwencaniwkhulu ukuya kwe khulu khulu begodu kusuka kwe khulu khulu ukuya kwencani khulu. <p>a) nengi kuna b) ncani kuna c) lingana na (kufana na)</p>

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
eenomboro sikhundla	<p>Thuthukisa ilemuko eenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwestibili, kwestithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> • Thula lokhu ngesikhathi Seenqabuli/ sokuphumulaSokwenza imisetjenzana yangamalanga bengodu nangesikhathi sokuvakatjhela ngendlwani 1thom, 2 bil, wamaphelelo , olandelako 	<p>Thuthukisa ilemuko eenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwestibili, kwestithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> • Thula iinomboro sikhundla wokuthoma, wesibili, westithathu, ukufika kowestithandathu. 	<p>Thuthukisa ilemuko eenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwestibili, kwestithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> • Ukuqinisa iinomboro sikhundla ngokungaka nakeki ngokusebenzisa imisetjenzana yangamalanga yokuya endlini yokuphumela/ encani. • Begodu ungasebenzisa isifundo samakghono Wepilo ngesifunijwana Sokuthabulula Umzimba. • Begodu nange sifunijwana sobukghwari Bokuttama(nakukghonekako) 	<p>Thuthukisa ilemuko eenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwestibili, kwestithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> • Ukuqinisa iinomboro sikhundla ngokungaka nakeki ngokusebenzisa imisetjenzana yangamalanga yokuya endlini yokuphumela/ encani. • Begodu ungasebenzisa isifundo samakghono Wepilo ngesifunijwana Sokuthabulula Umzimba. • Ukuqinisa iinomboro sikhundla ngokungaka nakeki ngokusebenzisa imisetjenzana yangamalanga yokuya endlini yokuphumela/ encani. • Begodu ungasebenzisa isifundo samakghono Wepilo ngesifunijwana Sokuthabulula Umzimba. • Begodu nange sifunijwana sobukghwari Bokuttama(nakukghonekako)
RARULULA IMIRARO ESEBUJAMENI OBUTJAPHUKILEKO USEBENZISA AMATHEKINIKI ALANDELAKO:				
1.6 Amathekiniki wokurarula imiraro (ukusebenzisa amathekiniki namaqhingga)	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> • Insetjenziswa eziphathekako isib. izinto zokubala 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> • Insetjenziswa eziphathekako isib. izinto zokubala • Ilere yeenomboro. 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> • Insetjenziswa eziphathekako isib. izinto zokubala • Ilere yeenomboro. 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> • Insetjenziswa eziphathekako isib. izinto zokubala • Ilere yeenomboro.

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.7 Ukuhanganisa nokukhupha (ukuralula imiraro yamagama bebahathulule iinsombululo zabo emirarweni efaka hlangana); a) Ukuhanganisa nokukhupha ngeempendulo ezifika e-10 1.9 Ukubuthelela nokwabelana okurholela ekuhlukaniseni (Ukwabelana ngokulingana nokubuthelala ngeenomboro ezizeleko ezifika e-10 ngeempendulo ezifaka hlangana insalela.)	<ul style="list-style-type: none"> Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 2, 3 no 4 ngomlomo. Qinisa ukurarlula imiraro efaka hlangana iinomboro 1 ukuya ku 4 kuli- 7 	<ul style="list-style-type: none"> Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 5, 6 ne 7 ngomlomo. Qinisa ukurarlula imiraro efaka hlangana iinomboro 1 ukuya e-10 	<ul style="list-style-type: none"> Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 8, 9 ne 10 ngomlomo. Qinisa ukurarlula imiraro efaka hlangana iinomboro 1 ukuya e-10 	

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.11 Imali	<p>Imali</p> <ul style="list-style-type: none"> Thuthukisa ilemuko lemali yesimbi /lamasende weSewula Afrika 20c, 50c, R1, R2, R5 Bona umbala nokuthi ngisiphi isibandana esisemalini yesimbi ngayinye Bona okufanako nokuhukileko phakathi kwemali yephepha. Hlela imali yokudlala ukuya ngombala nangobukhulu. Nikela ngemali yokudlala ekhoneni lekhaya 	<p>Imali</p> <ul style="list-style-type: none"> Thuthukisa ilemuko lemali yephepha yeSewula Afrika R10, R20, R50, R100, R200, Bona okufanako nokuhukileko phakathi kwemali yephepha. Isib. Hlela imali yokudlala ukuya ngombala nangobukhulu. 	<ul style="list-style-type: none"> Nikela ngemali yokudlala ekhoneni lendlu. 	
UKUBALA USEBENZISA:	<p>1.13 Ukuhlanganisa nokukhupha (bahlahthulule ngomlomo imiraro yokuhlanganisa nokukhupha enensombululo ezifika e-10)</p>	Rarulula ngomlomo imiraro yokuhlanganisa nokukhupha ngeempendulo ukufikela ku -4	Rarulula ngomlomo imiraro yokuhlanganisa, nokukhupha ngeempendulo ukufikela kuli-7	Rarulula ngomlomo imiraro yokuhlanganisa, nokukhupha ngeempendulo ukufikela e-10.

IIMBALO ZEGREYIDI R

• Imihlobo yemiraro yeGreyidi R

Imiraro enikelwa abafundi bakwaGreyidi R kumele ifake hlangana izinto lezo ezikhona ngetlasini kwaphela, isib. izinto zokubala, abantwana, amanyathelo, kodwana ingasi isib, amaswidi, imiqasa, amathuthumbo njll. Akusibo boke abafundi abangakwazi ukwenza ngasuthi izinto zokubalanofana imino imiqasana – batlhoga izinto zangetlasini ngokwazo. Kusesiquntwini sesibili somnyaka kwaphela lapho utitjhere angasebenzisa khona iinthombe. Izinto eziphathhekako kusafanele kuragelwe phambili nokuzisebenzisa - iinthombe zisingezelelo ingasi isijamiselelo sezinto eziphathhekako. Amaswazana omileko angasetjenziswa lokha utitjhere nakanganazo iisetjenziswa.

Imiraro elandelako itjengisa imihlobo yemiraro,begodu kufanele utitjhere ayenze ilungele izinga lokuzwisia labafundi bakhe.

Ukubuthelela

Naka amakokisana abu-8. (utitjhere ukhupha izinto zokubala ezibu- 8, nofana atjengise abafundi iinthombe zamakokisana abu-8.) UMkhosana uthola amakokisa amabili ngamalanga. Angathola amakokisa amalanga amangaki?

Ukwabelana

Kunamakokisana asi-6. (utitjhere ukhupha izinto zokubala ezibu- 6, nofana atjengise abafundi iinthombe zamakokisana asi-6) AboMakhosana bathathu (3) kwanjesi begodu kufanele babelane ngamakokisana ukwenzela bona boke bathole amakokisana alinganako. Mangaki amakokisana angatholwa ngomunye nomunye wabo?

Ukuhlanganisa, ukukhipha, ukuhlanganissa okubuyelelako

Abentwana aba-2 banamehlo amangaki?

Abentwana aba-4 baneendlebe ezingaki?

Mangaki imino esandleni esisodwa?

Mangaki imino ezandleni ezimbili?

ULindiwe unezinto zokubala ezisi-6. Unikela uBheni izinto zokubala ezi-2. Sekanezinto zokubala ezingaki kwanjesi?

Abotitjhere kufanele bahlanganise imihlobo ehlukahlukeneko yemiraro ilanga nelanga. Kufanele kancani kancani bandise ubukhulu beenomboro abazisebenzisa emirarweni, begodu bangazicabangeli badlumbane bonyana abafundi bazokuba nemiraro lokha nabasebenza ngeenomboro ezikulu.

UMBONOMAZOMBE WEGREYIDI R					
2. AMAPHETHENI AMAFANKTJHINI NE-AL-JIBHRA					
INHLOKO	THEMU 1	THEMU 2	THEMU 3	THEMU 4	
2.1 Amaphetheni weJiyomethri (Kopa begodu ungezelele amaphetheni alula abuyeelako izinto eziphathekako nemigwalo) (Tlama amaphethini okungewakho abuyeelako)	<ul style="list-style-type: none"> Bona amaphethini ezambathweni, kanye nebhodulukweni Kopa begodu uqedelete amaphethini 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitamele amaphethini wakho ngeenthombe. Kopa iphethini enikelweko ngokusebenzisa imali yesimbi. 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitamele amaphethini wakho ngeenthombe. Diala umdlalo we “ Abskotjhi ” 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitamele amaphethini wakho owezwako (ngokulalela) Kopa iphethini yetjhada Diala umdlalo we “ Abskotjhi ” 	

UMBONOMAZOMBE ZEGREYIDI R					
3. ISIKHALA NOBUJAMO (JJYOMETRI)					
INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4	
3.1	Ubudlelwana bendawo Ubujambo bezinto ezimbilinofana ngaphezelumayelana nomfundi <p>Hlathulula into eyodwa ebusontathu 3-D mayelana nobujamo bayo keny. (isib. Ngemuvananga phambili)</p>	Ubudlelwana bendawo Ubujambo bezinto ezimbilinofana ngaphezelumayelana nomfundi <ul style="list-style-type: none"> Phambi kwe nangemuvakwa Phezulu, ngaphesulu, ngaphasi, naphasi. Ngaphakathi rangaphandle Phezulu naphasi Eduze na, na hlangana na. 	Ubudlelwana bendawo Ubujambo bezinto ezimbilinofana ngaphezelumayelana nenyekeny <ul style="list-style-type: none"> Phezulu nangaphasi Phezulu, ngaphesulu, ngaphesi,ngaphasi Phakathi Eduze na, phakathi Phakathi Eduze na, begodu ngesidleni Umsebenzi wephiegibhodi <p>Ukuhlathulua izirto emahlangothini ahlu kileko isb, unompopi, indlu ngaphambili,ngemuvan,ngemaqadi ukuya ngokuthi umuntu ujame kuphi</p> <ul style="list-style-type: none"> Imiqondo yeembalo UbuKgwari bokuTlama Ukuthuthuka rgokomzimba 	Ubudlelwana bendawo Ubujambo bezinto ezimbilinofana ngaphezelumayelana nenye keny <ul style="list-style-type: none"> Phambi kwe nangemuvakwa Phezulu, ngaphesulu, ngaphesi,ngaphasi Phakathi Eduze na, phakathi Phakathi Eduze na, begodu ngesidleni Umsebenzi wephiegibhodi <p>Ukuhlathulua izirto emahlangothini ahlu kileko isb, unompopi, indlu ngaphambili,ngemuvan,ngemaqadi ukuya ngokuthi umuntu ujame kuphi</p> <ul style="list-style-type: none"> Imiqondo yeembalo UbuKgwari bokuTlama Ukuthuthuka rgokomzimba 	Ubudlelwana bendawo Ubujambo bezinto ezimbilinofana ngaphezelumayelana nenye keny <ul style="list-style-type: none"> Phambi kwe nangemuvakwa Phezulu, ngaphesulu, ngaphesi,ngaphasi Phakathi Eduze na, phakathi Phakathi Eduze na, begodu ngesidleni Umsebenzi wephiegibhodi <p>Ukuhlathulua izirto emahlangothini ahlu kileko isb, unompopi, indlu ngaphambili,ngemuvan,ngemaqadi ukuya ngokuthi umuntu ujame kuphi</p> <ul style="list-style-type: none"> Imiqondo yeembalo UbuKgwari bokuTlama Ukuthuthuka rgokomzimba

INHLOKO	ITHEMU 1 3.2 Izinto ezibusontathu (3-D) (Ukukhumbula, ukubona nokutjho izinto ezibuso buthathu (3-D) ngetasini): a) iimbholo b) amabhoksi	ITHEMU 2 3.2 Izinto ezibusontathu (3-D) (Ukuhathulula, ukuhukanisa ngemohlobo nokumadanisa izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya nge): a) Ubukhulu (khulu/ ncani) b) Umbala (bovu, hlaza sasibhakabbaka, tjeli.) c) Amabumbeko (indulungu, uncantathu, isikwere, uncamane) d) Izinto ezigedekako e) Izinto ezitjhelelako	ITHEMU 3	ITHEMU 4
	<ul style="list-style-type: none"> • iimbholo: Thula begodu uhole iimbholo • amabhoksi: Thula begodu uhlola amabhoksi 	<ul style="list-style-type: none"> • Thula itjhadi lokuhiwengisa (ukuhlela izinto zokudala / amatihoyisi) • Ubukhulu: hela ngemihlobo zokudala ezibusontathu 3-D ukuya ngobukhulu. • Umbala: Lemuka nokuhlela izinto zokubala ukuya ngokombala obomivu, oliliiza sasibhakabbaka, ojhelii kanye nolihaza. • Ibumbeko: hela ngemihlobo izinto ezibusobuthsthu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko. • Izinto ezigedekako <ul style="list-style-type: none"> - Lemuka nokuhlola izinto ezigedekako - Qinisa izinto ezigedekako - Izinto ezitjhelelako - Lemuka nokuhlola izinto eztjhelelako - Ukbuna nokuhlola izinto ezitjhelelako nezigedekako 		

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
Akha izinto ezibusontathu 3-D ngokusebenzisa imatheriyali ephathekako (isib. Amabhlogo wokwakha)	Okuragela phambili <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Hiola ngamabhlogo wokwakha 	Okuragela phambili <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Abafundi abazakhele izakhwo zabo ngokukopa esibonelweni sokwakha esinikelweko. Kopa isakhiwo esifanako ususela kudizayini namkha ikarada lesithombe Qinisa ukukopa isakhiwo esifanako ususela kudizayininofana ikarada lesithombe 	Okuragela phambili <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Abafundi abazakhele izakhwo zabo ngokukopa esibonelweni sokwakha esinikelweko. Kopa isakhiwo esifanako ususela kudizayini namkha ikarada lesithombe Qinisa ukukopa isakhiwo esifanako ususela kudizayininofana ikarada lesithombe 	Okuragela phambili <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Abafundi abazakhele izakhwo zabo ngokukopa esibonelweni sokwakha esinikelweko. Kopa isakhiwo esifanako ususela kudizayini namkha ikarada lesithombe Qinisa ukukopa isakhiwo esifanako ususela kudizayininofana ikarada lesithombe
3.3 Ubujamo obusobibili (2-D) (Ukukumbula, ukubona nokutjho ubujamo obubuso bubili (2-D) neenthombe ngetasini, ukufaka hiangana):	Tjengisa itshwayo/isithombe negama lomfundii eenyangeni ezi-3 ezilandelako.	Tjengisa itshwayo/isithombe negama lomfundii eenyangeni ezi-3 ezilandelako.	Tjengisa kwaphela igama lomfundii elebulini eenyangeni ezi-6 zokugcina zomnyaka	Tjengisa kwaphela igama lomfundii elebulini eenyangeni ezi-6 zokugcina zomnyaka
(a) Itshwayo lomfundii (b) Ibizo lesigaba / letlassi	Okuragela phambili <ul style="list-style-type: none"> Tjengisa kwaphela itshwayo/ isithombe somfundii eenyangeni ezi-3 zokuthoma zomnyaka Ukwethula ibizo letlassi isib. Ngokusebenzsa isithombe. Ittasi “lemiqasana” Lebula emnyango wetlassi ibizo likatihere Lebula utjengise bona littasi lakwaGreyidi R 	Okuragela phambili <ul style="list-style-type: none"> Vumela loyo naloyo mfundii bona azikhethiele lakhe ikarada letshwayo elangeni lokuthoma Tjengisa kwaphela itshwayo/ isithombe somfundii eenyangeni ezi-3 zokuthoma zomnyaka Ukwethula ibizo letlassi isib. Ngokusebenzsa isithombe. Ittasi “lemiqasana” Lebula emnyango wetlassi ibizo likatihere Lebula utjengise bona littasi lakwaGreyidi R 	Okuragela phambili <ul style="list-style-type: none"> Vumela loyo naloyo mfundii bona azikhethiele lakhe ikarada letshwayo elangeni lokuthoma Tjengisa kwaphela itshwayo/ isithombe somfundii eenyangeni ezi-3 zokuthoma zomnyaka Ukwethula ibizo letlassi isib. Ngokusebenzsa isithombe. Ittasi “lemiqasana” Lebula emnyango wetlassi ibizo likatihere Lebula utjengise bona littasi lakwaGreyidi R 	Okuragela phambili <ul style="list-style-type: none"> Vumela loyo naloyo mfundii bona azikhethiele lakhe ikarada letshwayo elangeni lokuthoma Tjengisa kwaphela itshwayo/ isithombe somfundii eenyangeni ezi-3 zokuthoma zomnyaka Ukwethula ibizo letlassi isib. Ngokusebenzsa isithombe. Ittasi “lemiqasana” Lebula emnyango wetlassi ibizo likatihere Lebula utjengise bona littasi lakwaGreyidi R
Indela yokwakha amaphazela Ubuncani:	Amaphazela (okuragako) <ul style="list-style-type: none"> Thula amaphazela unikeli nehlaho/ nebandulo lokuwakha. Cocisanani ngesithombe sephazela ngokuyelela khulu iminingwana efana: nombala, abantu/linwana, izinto, indawo lapho abantu / linwana zikhona nezinto Abafundi kufanele baqedelele okungasenani iphazela ineenquntu ezi-12- ekupheleni kwethemu yesi-2 Yenza begodu uqedeletele iinquntu ezi-4 zephazela 	Amaphazela (okuragako) <ul style="list-style-type: none"> Thula amaphazela unikeli nehlaho/ nebandulo lokuwakha. Cocisanani ngesithombe sephazela ngokuyelela khulu iminingwana efana: nombala, abantu/linwana, izinto, indawo lapho abantu / linwana zikhona nezinto Abafundi kufanele baqedelele okungasenani iphazela ineenquntu ezi-12- ekupheleni kwethemu yesi-2 Yenza begodu uqedeletele iinquntu ezi-4 zephazela 	Amaphazela (okuragako) <ul style="list-style-type: none"> Nikela imihlolo ehlukahlukeneko yamaphazela ngesikhathi sokudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Abafundi kufanele baqedelele okungasenani iphazela ineenquntu ezi-12- ekupheleni kwethemu yesi-2 Yenza begodu uqedeletele iinquntu ezi-4 zephazela 	Amaphazela (okuragako) <ul style="list-style-type: none"> Nikela imihlolo ehlukahlukeneko yamaphazela ngesikhathi sokudalwa ngokutjhaphulu ka ngaphakathi ngamalanga Abafundi kufanele baqedelele okungasenani iphazela ineenquntu ezi-12- ekupheleni kwethemu yesi-2 Yenza begodu uqedeletele iinquntu ezi-4 zephazela

INHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
3.3 Ubujamo obusobubili (2-D) Ukubona isithombe kwasinye isithombe Amabumbeko wejyomethri	<ul style="list-style-type: none"> Thula imisetjenzana yokubona isithombe kwasinye isithombe(bona izinto “ ngiyabona ngelilo lami ”) 	<ul style="list-style-type: none"> Qinisa imisetjenzana yokubona isithombe kwasinye isithombe ngemisetjenzana yokuhlela ngamananeko, yokumethisa, nemisetjenzana yokubuthlela nokuhlwengisa kwangamalanga Nikela imihlolo ehlukahlukeneko yamaphazelza ngesikhathi sokudla nangamalanga. Qinisa uncantathu Thula uncantathu Thula isikwere Uncamane Ubujamo baboncantathu: bonyana amajamo ahlaa anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi. 	<ul style="list-style-type: none"> Qinisa imisetjenzana yokubona isithombe kwasinye isithombe ngemisetjenzana yokuhlela ngamananeko, yokumethisa, nemisetjenzana yokubuthlela nokuhlwengisa kwangamalanga Nikela imihlolo ehlukahlukeneko yamaphazelza ngesikhathi sokudla nangamalanga. Qinisa indulunga, uncantathu, isikwere noncamane Thula uncamane Ukubulungwa kobujamo (ukubulunga ubujamo obufundiweko kufika nje: bonyana amajamo ahlaa anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi 	<ul style="list-style-type: none"> Qinisa indulunga, uncantathu, isikwere noncamane Thula uncamane Ukubulungwa kobujamo (ukubulunga ubujamo obufundiweko kufika nje: bonyana amajamo ahlaa anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi Ukuthutukisa iyelelo lokobana kunomuda wokubanda phakathi ezintweni. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Ukuvundla umuda ophakathi – imisebenzi yebhodini Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Ukuvundla umuda ophakathi - ukwenza imiskinyeko. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Imidunduzelo neengoma Imisebenzi yobuKghwari bokuTiama Ukuvundla umuda ophakathi okufaka ihlangana ukubala. Okungehla kufanele kwenzive ngesikhathi sokuthuthuka ngokomzimba. Ukusebenzisa imidunduzelo neengoma ngesikhathi sobuKghwari bokuTiama.
3.4 Isimethri	<p>(Ukubona umuda wokubanda phakathi kuye, begodu nebhodulukweni lakhe)</p>	<ul style="list-style-type: none"> Lemuka izitho zomzimba (ngokubala) <ul style="list-style-type: none"> Ihloko, amehlo, ipumulo, umlomo, isilevu, infamo, amahlombe, umkhono, isandla, imiro, isifuba, umlenze, idolo, inyawo, iinzwani Umzimba womuntu unamahlangothi amabili Qinisa ilemuko lokobana umzimba womuntu unamahlangothi amabili isibihlangothi langapha nelangale okuzakurholela ngesandleni sesinciele nesokudla 	<ul style="list-style-type: none"> Ukuvundla umuda ophakathi - ukwenza imiskinyeko. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Ukuvundla umuda ophakathi okufaka ihlangana ukubala. Okungehla kufanele kwenzive ngesikhathi sokuthuthuka ngokomzimba. 	<ul style="list-style-type: none"> Ukuvundla umuda ophakathi - imisebenzi yebhodini Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Ukuvundla umuda ophakathi - ukwenza imiskinyeko. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Ukuvundla umuda ophakathi okufaka ihlangana ukubala. Okungehla kufanele kwenzive ngesikhathi sokuthuthuka ngokomzimba. Ukusebenzisa imidunduzelo neengoma ngesikhathi sobuKghwari bokuTiama.

OKUMUMETHWEKO	UMBONOMAZOMBE WEGREYIDI R		
	4. UKUMEDA	ITHEMU 1	ITHEMU 2
4.1 Isikhathi Hlathulula isikhathi semini ukuya nge:emini namkha ebusuku.	<ul style="list-style-type: none"> Ethula imiqondoo yomibili “ imini nobusuku” umkhanyo/ ubunzima Ekuseni, ntambama,namhlanje ebusuku - (ukufunda ngesikhathi sehlelo leihadi lobujamo bezulu) 	<ul style="list-style-type: none"> Ethula ihlelo lelanga <ul style="list-style-type: none"> Abafundii bathola il andelano lezhhlakalo phakathi nelanga. linthombes ziyatiengiswua ukusukela ngesinceleni ukufike la ngesidleni kuthuthukiswa ukufunda. Umrholi welanga ukhambisa ikomba ejhidako lokha imisebenzi esehielwenni lelanga iragela phambili 	<ul style="list-style-type: none"> Ihlelo lelanga (eliragako) <ul style="list-style-type: none"> Qinisa il andelano lezhhlakalo ngelangga elliodwa ngebanga leihlelo lelanga.
a) Ihlelo langamalanga			<ul style="list-style-type: none"> Ihlelo lelanga (eliragako) <ul style="list-style-type: none"> Qinisa il andelano lezhhlakalo ngelangga elliodwa ngebanga leihlelo lelanga.
b) Itjhadi lobujamo bezulu		<ul style="list-style-type: none"> Ethula itjhadi lobujamo bezulu bangamalanga) <ul style="list-style-type: none"> Utitjhene uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafletjhikarada la kunamaleyibula namatshwayo ekhalendareni ukujamelia iweke Thuthukisa ilemukolomqondo wesikhathi Tjengisa amalanga wamabeletho, ukuzikhupha, amalanga akhetekileko, amaholideyi waphakathi kweveke Landelanisa iinyanga zomnyaka ngokusebenzisa inggoma 	<ul style="list-style-type: none"> Ubujamo bezulu (belanga) <ul style="list-style-type: none"> Utitjhene uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafletjhikarada la kunamaleyibula namatshwayo ekhalendareni ukujamelia iweke

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
4.1 Isikhathi Landelanisa izehlakalo ezizbuyevelako epiliveni yakhe yangamalanga	<ul style="list-style-type: none"> Amalanga weveke <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunduzelo ngamalanga weveke.Buyelela ngalanga lokha nakucowa ngetjhadi lobujamo bezulu - Ukulandelanisa amalanga weveke kusefenziswa ingoma Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Ethula itjhadi elitjengisa iinkhathi ezine zonyaka: o Ihlobo o Siruthwana o Ubusika o Silimela 	<ul style="list-style-type: none"> Amalanga weveke (Okuragako) <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunduzelo ngamalanga weveke.Buyelela ngalanga lokha nakucowa ngetjhadi lobujamo bezulu Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ukuthuthukisa ilemuko lalokho umfundsi akwenzako kesinye nesinye isikhathi kusukela nakavukako bekube kula aya khona esikoleni. - Thuthukisa ilemuko lalokho okwenzekako hlangana nesikhathi sokudla kwantambama nesikhathi sokulala. 	<ul style="list-style-type: none"> Amalanga weveke (Okuragako) <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunduzelo ngamalanga weveke.Buyelela ngalanga lokha nakucowa ngetjhadi lobujamo bezulu Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Okuragako lokha kulilanga lamabeletho lomfundii - Okuragela phambili 	<ul style="list-style-type: none"> Amalanga weveke (Okuragako) <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunduzelo ngamalanga weveke.Buyelela ngalanga lokha nakucowa ngetjhadi lobujamo bezulu Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Okuragako lokha kulilanga lamabeletho lomfundii - Okuragela phambili
Ethula itjhadi lelanga lamaBeletho	<ul style="list-style-type: none"> Ethula itjhadi lelanga lamaBeletho Abafundsi kumele bazi iminyaka yabo Thuthukisa ilemuko lokobana nasifundako sisuka kuphi siye kuphi. Abafundsi kumele bazi amalanga wabo wamabeletho(ilanga nenyanga) 	<ul style="list-style-type: none"> Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Ethula itjhadi elitjengisa iinkhathi ezine zonyaka: o Ihlobo o Siruthwana o Ubusika o Silimela 	<ul style="list-style-type: none"> Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Ilanga lokuthoma ngemuva kwamaholideyi weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholideyi. - Okuragako lokha kulilanga lamabeletho lomfundii - Okuragela phambili 	<ul style="list-style-type: none"> Itjhadi leenkathi zomnyaka <ul style="list-style-type: none"> - Ethula itjhadi elitjengisa iinkhathi ezine zonyaka: o Ihlobo o Siruthwana o Ubusika o Silimela

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
4.2 Ubude	ubude <ul style="list-style-type: none"> ede nefitjhana (ngokucala) Ethula umqondo wobude Ijhadi lobude ngerzandla / ngeenyawo Magama elifaneleko ukunihathulua ubude. Ethula ijhadi lobude <ul style="list-style-type: none"> - Meda ngezanda (Ngokucala begodu ngokungakahleki) - Meda ngemithala yeenyawo (Ngokucala begodu ngokungakahleki) - Meda ngetheyipu yokumeda (Ngokucala begodu ngokungakahleki) - de, fijhani - denyana, fitjhazana - linganisa 	ubude <ul style="list-style-type: none"> Ede khulu begodu nefitjhana Khulu, edanyana begodu nefitjhazana (hlolisisa ubude) Qinisa umqondo wobude Abafunda bathola bona bakhule Kangangani solo kho kwethemu eduiileko <p><i>(Abafundī bangamadanisa ubude babo nokhunye okungeftasini isb.ikhabethe)</i></p>	ubude <ul style="list-style-type: none"> Linganisa ubude bezinto ezhilukahlukeneko Linganisa begodu umadanise ubude bezinto ezhilukahlukeneko ngokusebenzia iinyawo, izandla, intanjana ,isigojwana njil. 	ubude <ul style="list-style-type: none"> Meda ubude babafundi ngetheyipu yokumeda (jamiselizaandla ngaetheyipu yokumeda

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
4.3 Ubungako/ubudisi Sebenza ngokumadanisa ngokuphathhekako begodu nokuhlela izinto ngemihlobo ngokusebenzisa ilwazi magama eliofaneleko ukuhlathulula okulandelako: a) Lula/budisi b) Ludlana / budisana c) Ragela phambili lokha nakudialwa umdlalo wesanda namanzi	Ubudisi <ul style="list-style-type: none"> • Ethula umqondo wobudisi ngokumadanisa ubudisi bezinto ezihlukahlukeneko isb. <ul style="list-style-type: none"> - Lula/budisi - Ludlana / budisana • Qinisa ubudisi (ludlana / budisana) 			
4.4 Umthamo/volumu Sebenza ngokumadanisa ngokuphathhekako begodu nokuhlela izinto ngemihlobo ngokusebenzisa ilwazi magama eliofaneleko ukuhlathulula okulandelako: a) Nganalitho ,zeleko b) Nengi / ncani c) ncani kuna / nengi kuna d) Ragela phambili lokha nakudialwa ngamanzi nangesanda.	Umthamo/volumu <ul style="list-style-type: none"> • Ethula umqondo wokumeda umthamo ngokumadanisa bona iiummathi ezihkukileko zithath umthamo ongangani - Nganalitho / zeleko - Nengi kuna/ ncani kuna • Ragela phambili ngesikhathi sokudala ngamanzi begodu nangesikhathi sokudala esandenii. 			

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
5.1 Ukubuthelela nokuhleta izinto ngemihlobo Buthelela idatha Buthelela izinto ezithintekako zemihlobo erfanakofanako (ayedwa begodu/namkha njengelunga lesiqhem) isb amakari ali-10, amajamo ali-10	<ul style="list-style-type: none"> Ethula umqondo wokuphatha idatha ngokubuthelela idatha yokobana bangaki abesana begodu bangaki abentazana abangellasiini. 	<ul style="list-style-type: none"> Buthelela izinto (amagatja wobukhulu obuhlukene) 	<ul style="list-style-type: none"> Buza umbuzo: "Kghani amabizo anamaledere asitthandathu aqakathikille na? Buthelela idatha ukuphendula imibuzo le ngokusebenzisa amakarada wambabizo wabatundi 	<ul style="list-style-type: none"> Sebenzisa itjhadi yamalanga wamaBeletho ukuthola bona bobani ababelethwe ngenyanga yiphi Buthelela ilwazi ebafundini Ukuthola umbala wedaka lokudala elizokusefenziswa rgeveke elandelako. Isb, ohaza sasibhakabhabka, oijeli, ohaza njil Buthelela idatha (Ngimuphi umhloblo weenkhwelo abafundi abawusebenzisako nabenza esikolweni) Hlela idatha ngokuya ngeenyanga ezifaneleko zamabeletho wabafundi. Omunye nomunye umfundu ukhettha ibhlogo linye elijamele umbala awukhethileko wedaka lokudala leveke. Hlela idatha ebuthelelweko (abafundi abakhamba ngeenyawo, abezarigeteksi, ngemodere yabazali bakhenalo abea ngebhesi.)
5.2 Ukujamiselela ibuthelelo lezinto elihlelekileko. <i>(Gwala amagrafu ukutjengisa idatha. Gwala isithombe njengerekhodo lezinto ezbuthelwelweko)</i>	<ul style="list-style-type: none"> Hlela idatha ngokuvumela abafundi bona bajame ereyini labesana namkha labentazana Urukhulu bekari. 	<ul style="list-style-type: none"> Hlela izinto ezbuthelwelweko (amagatja wobukhulu obuhlukene) 	<ul style="list-style-type: none"> Hlela amakarada wamabizo ukuya rgenomboro yamaledere walelo nalelobizo. 	<ul style="list-style-type: none"> Gwala igrafu ejamile amalanga wamabeletho kienye nenyi inyanga izinto zamambala ukwenza igrafu niemgamabhlogo, amakhubhu abuthelelweko, iLego, nofana amabhlogo we Duplo ajamile imibala yehlama yokudala ohlele ukuyenza isib. Hlaza sasibhakabhabka, tjeeli, nokuhlaza. Gwala igrafu yeenthombe ejamele abafundi abakhamba ngeenyawo, abezza ngeteksi, ngemodere yabbazili bakhe nalabo abea ngebhesi.

OKUMUMETHWEKO	THEMU 1	THEMU 2	THEMU 3	THEMU 4
5.3 Coca bewubike ngokuhlelwa kwezinto ezibuthelwelweko Funda begodu uhlathulule amagrafu Phendula imibuzo esekelwe esithombeni sakhe namkha ezintweni zakhe ezhilukaniswe ngemihlobo (isib. "Makari amangaki amakhulu owagwallileko? Ngimaphi amakari amanengi, amakhulu nofana amakari amancani?	<ul style="list-style-type: none"> Ukfundula nokuhlathulula amagrafu idatha ngokusebenzia ibumba lokudala ukwenza isijamiselo senani labentazana nabesana bangetlasini. 	<ul style="list-style-type: none"> Ukfundula nokuhlathulula igrafu kusetjenziswa imibuzo 	<ul style="list-style-type: none"> Ukfundula nokuhlathulula idatha ngokubala amakarada weenomboro kelinye nelinye ikholomu nokufinyelela esiquntweni. 	<ul style="list-style-type: none"> Ukfundula nokuhlathulula amagrafu kusetjenziswa imibuzo bona ngiyiphi inyangaa enamaalanga wokubelethwa amanengi. Ukuya ngokukhettha kwabafundi, umbala wehlama yokudlala weveke uzakuba tjeli. Funda nokuhlathulula amagrafu (bangaki abakhambako, abeze rgeteksi, ibhesi, njil.)

3.5 AMANOTHI ATLHADLHULA OKUMUMETHWEKO EGREYIDINI R

IGREYIDI R IMBALO: ITHEMU 1				
Iveke 1 Ukuwijayeza	Isikhathi linhloko	Isikhathi Amanothi wokuthadlhula	Isikhathi linsetjenziswa eziphakanyosiweko	Isikhathi Ukulunganisa ubude besikhathi
Umsebenzi waqetanasini owonda ohleliweko okhokhelia ngutitjhore (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	4.1	<p>Ukulandelanisa izehlakalo ezzibuyelelako ebuphiweni bakhho bangamalanga</p> <ul style="list-style-type: none"> Ukwethula Ihelo Langamalanga Ukuthuthukisa ukulandelana kwezehlakalo ngelanga eliodwa Iinthombe ziyakhangiswa kusuka ngesinceleni ukuya ngakwesokudia. Umrholi welanga ukhambisa utjhobi okhambako kusukela ngesinceleni ukuya ngakwesokudia njengoba imisebenzeni yangamalanga iragela phambilii. Abafundi balementu ukulandelana kwezehlakalo emini. 	Ihelo langamalanga likhonjiswe ngendela yeenthombe	Ihelo langamalanga likhonjiswe ngendela yeenthombe
IHLELO LANGAMALANGA ELIPHAKANYISIWEKO				
AANKOMS	Iregista, amalanga wamabeletho', ubujamo bezulu, iindaba.	Ukurholwa ngutitjhore imisetjenzana yangetasini, UbuKghwari ObuBonakalako nokudala utjhaphulukile yangetasini	Ukubutha	Ukurholwa ngutitjhore imisetjenzana yangetasini, ngendlwani
Isikhathi seenqabuli	Ukudala utjhaphulukile ngaphandle noku Butha / nokuhlwengisa	Ukuya ngendlwani kwangamalanga	Ukuphumula	UkuKhamba

Iveke 1	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owdwa oheliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Ukulininganisa ubude besikhathi
Ukuwijayeza	Amanothi wokuthihadhula	linsetjenziswa ezipphakanyosiweko
linhloko		
Tjheja:		

• Ukuthulwa kokumumethweko kuzakulawulwa sikhathi esinikelweko Ehlelweni Langamalanga.

• Ihlelo Langamalanga liyatjhuguluka, isibonelo, Ukuya ngendlwani kwangamalanga kungatjhidiselwa eenkathini ezhnlukahlukeneko kuye ngokobujamo nendawo lapho isikolo leso sikhona.

• Khangisa ngawowoko amatjihadi wendlela yekambiso yangamalanga kwaphela lokha nasele athuliwe.

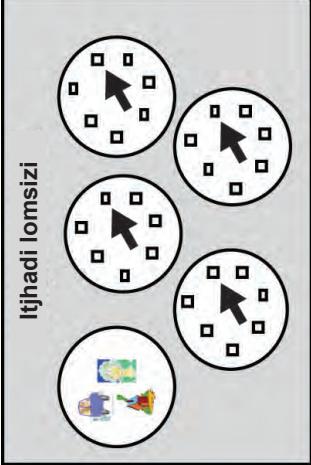
• ikholomu lamanothi wokuhlathulula alikattolwa ngokulandelana kwemisebenzi ngelanga, kodwana ngokuya ngalokho okumumethweko. Ngalokho ke kufanele ukhethe bona umsebenzi othile uzakwenziswa ngaliphi ilanga.

• Kezinye iimveke kunemisebenzana edilulako kwemihlanu. Lokhu kwenzelwe kuphela bona ubi nemisebenzi elingeneko ongakhetha kiyoy begodu akutjho ukuthi kufanele uyenze yoke imisebenzi efakiweko.

1.4 • Thula ukuya ngendlwani kwangamalanga

Ukuhlathulula, ukumadanisa nokuhiela inomboro	<ul style="list-style-type: none"> - Thuthukisa ilemuko lokulandelanisa / ukurhemisa ukuya ngendlwani kwangamalanga isib. (thoma ngokusebenzisa indlwana encani , bese uhlamba izandla, vala ipompi bese usula izandla njil). - Thuthukisa ilemuko leenomboro sikhundla isib. ululu ngowokuthoma, uJuda ngowesibili njil. 	Isibha , itjila lokuhlamba lindlwana zokuphumela Amanzi agijimako
		Ngemva kokuthi ukuya ngendlwani kwangamalanga selo kuthuliwe, umsetjenzana lo wenziwa ngamalanga

Iveke 1 Ukuzyayenza linhloko	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owdoda oheliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokuthadhlula	Ukulingesanisa ubude besikhathi
3.2 Izinto ezbobusontathu (3-D)	<ul style="list-style-type: none"> • Ukwethutha itjhadi lokubutha nokuhlwengisa <ul style="list-style-type: none"> - Ukwakha iinqhenyana ezincani zokusebenza. - Ukuthuthukisa ukurhemisa nokuhlela ngemihlolo kweensetjenziswa. <p>Hlukanisa inani labafundi ngetasini lakho ngokuya ngokweendawo ezibunane zokuhlwengiskeka. Esinye nesinye isiqhema kufanele sithathe isiqinto sokuziphendulela ekuhlwengiseni indawo ngokudhlegana, njalo ngeveke.</p> <p>Hlathulula, hlukanisa ngemihlolo, umadanise izinto ezbobusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> • ngobukhulu • ngombala • ngezinto ezigedekako • ngezinto ezitjheletlako 	linsetjenziswa eziphakanyosiweko	Itjhadi lokubutha nokuhlwengisa

Iveke 1 Ukuziyazeza linhoko	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owdoda oheliweko okhokhelia ngutitjhre (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	<p>Amanothi wokuthadhlula</p>	<p>Ukulginganisa ubude besikhathi</p>
1.1 Ukubala izinto	<ul style="list-style-type: none"> Thula itjhadi lomsizi nendela / ukulandelana iinqabuli okufanele ziphakelwe ngayo <ul style="list-style-type: none"> Itjhadi lomsizi isetjenziselwa ukuthola umsizi welanga okufanele athlogomele itafula ngesikhathi sokuqabula. lindulungu ezi 5 ezisetjihadini lomsizi zijamele iinqhema ezihanu okuhlukaniswe ngazo abafundi, isibonele, isiqhema sezibou, isiqhema sokuhlaza sasibhakkabhahe, isiqhema sokusaruan, isiqhema sezilhlaza nesiqhema sezokusalamune. Ungasebenzisa godu neenthele ezahlukahlukeneko / iinlwana / iinkhwelo, njil. Itshwayo lomfundu ngamunye ifakwa ngaphakathi kwendulungu akiyo. Ukujikisa utjhobi obotjehelwe phakathi nendawo endulungwini ngayinye kuzakutjho bona umrholi ngubani esiqhemeni. Kuyadhlegwana ngamalanga ngokuba mtholi wesiqhema ukwenzelia bona omunye umfundi alithole ithuba lokuba mdosii phambili / mtholi wesiqhema. Umrholi wesiqhema ubala inomboro yabafundi abakhona esiqhemeni nezija zokudla ngokuya ngenomboro yabafundi abakhona esiqhemeni sakhe ngelanga jelo.(kunye nakunye okukhambelanako). 	<p>lthadi lomsizi</p> 	<p>lthadi lomsizi</p> <p>Ngemva kokuthi itjhadi lomsizi sele lithuliwe, iinqabuli ziphakelwa ngendlela le ngamalanga.</p>
3.3 Ubujamo obubusobibili (2-D)	<ul style="list-style-type: none"> Ukukhumbula , ukubona nokutjho ngamagama ubujamo obubusobibili na /nofana iinthombe ezingetasini <ul style="list-style-type: none"> Amatshwayo wabafundi <ul style="list-style-type: none"> Vumela abafundi ngamunye bona bakhetha amakarada wamatshwayo okungewabo. <ul style="list-style-type: none"> Lungisa indawo yokukhangisa ngobuciko bezobukghwari kube netshwayo lomunye nomunye umfundi (isithombenofana umfanekiso). Namathisela itshwayo elokhareni yomunye nomunye umfundi. Vumela abafundi bona bakhombe amalokhari wabo ngokuwanafanisa namatshwayo wabo. Kunupela amatshwayo amamagama ezambathweni zabafundi. Abaafundi babona amatshwayo wabo newabangani babo ngokudlala imidlalo ezakukhuthaza abafundi bona babone amakarada wamatshwayo ahlukahlukenko isib. Abaafundi bahlala benze indulungu utitjhore akhangise ngamatshwayo woke begodu abawe abafundi bona bakhetha amatshwayo wabo. linthombe ezincani zabafundi zingasetjenziswa nazo njengamakarada wamatshwayo, lokha nazikhona. Igama letiasi <ul style="list-style-type: none"> Khuphula umqondo wokobana abafundi bangabesiqhema esisodwa esikhulu ngokwethula igama letiasi isib ngokusebenzisa isithombe – “Itthasi lakanompopi we Bhere”. Abaafundi kufanele bazi negama lakatitjhre wabo. 	<p>Lokha abafundi nabafikako ngelanga lokuthoma’.</p> <p>Amakarada anamatshwayo womfundu ngamunye. Yenza amakarada ngeenthombe zamatsihwayo. Amalokhara, amabhoksi nofana iinhugu magega neboda kufanele zitsihwaywe ngetshwayo lomfundu. Amalebulwa wamGreyidi R: Isithombe setlasi esibekwa emnyango. llebulwa elinebizo lakatitjhre nesibongo</p>	

Iveke 1	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owdwa oheliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Ukulinganisa ubude besikhathi
Ukuzijayeza Inhhoko	Amanothi wokuthadhlula Tjheja: <ul style="list-style-type: none"> Khangisa itshwayo / isithombe somfundi kuphela eenyangeni zokuthoma ezi 3 zonyaka. Khangisa itshwayo / isithombe begodu negama lomfundii eenyangeni ezilandelako ezi 3. Khangisa igama lomfundii kupheta elebuleni eenyangeni ezisi-6 zokugcina zonyaka. Lisa / tjhiya elisennnyango unyaka woke. llebula enegama lakatjhere. llebula etjengisa bona yiGreyidi R 	Imsetjenziswa eziphakanyisiweko

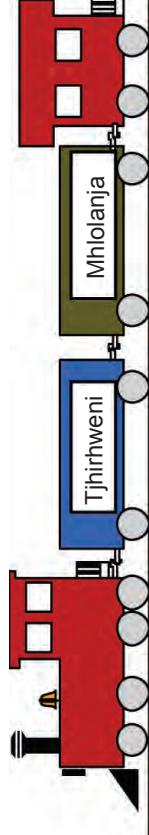
Iveke 2	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owdwa oheliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Ukulinganisa ubude besikhathi
Ukuzijayeza Inhhoko	Amanothi athadhlako.	Imsetjenziswa eziphakanyisiweko
1.1 Ukubala izinto	Linganisa begodu ubale izinto zangamalanga ngokuthembeka Ukubala kwangamalanga <ul style="list-style-type: none"> Ukubala okungakahleleki /ukiubala ngegido kusuka ku ku 1-5 Ukucula amaculo weenomboro nemilozelo <p>Nanyana abafundi banganawo umqondo weenombboro lokha nabangena eGreyidini R, kufanele bona bakhuthazwe bona bavume imilozelo neengoma zeenomboro begodu benze ukubala okungakahleleki ngamalanga.</p>	Ngamalanga Armaculo nemilozelo yeenomboro

Iveke 2 Ukuwijayeza linhoko	Isikhathi Sokufundisa Esitjhukunysiweko: Umsebenzi wetlasi owdwa oheliweko okhokhelia ngutijhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngaveke)	Amanothi atlhaddhulako.	Ukulinganisa ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro	<p>Madanisa bona ngliphi lamabuthelelo amabili wezinto onikwelwe lona elikhulu nelincani</p> <ul style="list-style-type: none"> • Thula/Yazisa umqondo wokukhulu nokuncani <p>Okuphathelene nokusikinyeka komzinimbä</p> <ul style="list-style-type: none"> - Abafundi bathola umqondo wokuthi kukhulu nokuthi kuncani ngokutshopha imizimba yabo baenze babe bancani ngendlela okukghoneka ngayo begodu bazithabulle babe bade / bakhulu ngndlela abangakhona ngayo. - Abafundi abamadanise izandla zabo nezabangani babo ukubona bona ngezakkabani izandla ezikulunofana ezincani. - Madanisa isandla sakatijhere nesomfundi. - Madanisa umkhono katijhere nowomfundi. <p>Hlathulula, hlela ngemihlobo begodu umadanise izinto ezbisontathu (3-D) nobujamo obubusobibili (2-D) kuya ngama sayizi</p> <p>Ukusebenzisa izinto eziphatnekako ezbisontathu (3-D)</p> <ul style="list-style-type: none"> - Yenza iimbholo ezikulu nezincani nghelama yokudlla. - Thola izinto ezikulu nezincani nigettasin. Merega / tshwaya izinto ezikulu ngeentikara ezibovu nezinto ezincani ngeentikara ezsarulani. Khulumani ngama sayizi ahlukahlukeneko wezinto. - Hlela ngemihlobo izinto ezikulu nezincani ngokuya ngamasayizi. <p>Ezipheze ziphathetek eusebenzise ubujamo obubusobibili (2-D)</p> <p>Sebenzisa umqondo wokukhulu nokuncani ngesikhathi somsebenzi wobukghwari ngoku:</p> <ul style="list-style-type: none"> - Ukuifuna iinthombe zezinto ezikulu nezincani bese niyaziska. - Abafundi abagadangise izandla zabo bese bayaziska. Beka esinye phezu kwsinye. - Bona ukuthi ngezakkabani izandla ezikhulu nokuthi ngezakkabani ezincani. - Hlukanisa iphepha ka 2. - Namathisela zoke izinto ezincani ehlangothini elinye lephepha nalezo ezikulu ngakelinye ihlangothi. 	<p>linsetjenziswa eziphakkanyisiweko</p> <p>ilanga eli-1</p> <p>Abafundi</p> <p>Ihlama yokudala lzinto ezikulu nezincani</p> <p>Amaphepha we A3 , Amakhrayoni</p>	

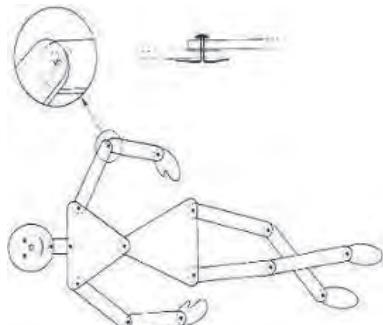
Iveke 2 Ukuzyayenza linhoko	<p>Isikhathi Sokufundisa Esitijhukunysiweko: Umsebenzi wetlasi owdwa oheliweko okhokhelia ngutijhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngaveke)</p> <p>Amanothi athhadhulako.</p>	<p>3.1 Ubujamo, ukujayenza nokubukela</p> <ul style="list-style-type: none"> • Hlathulula ubujamo / Indawo lapho kunezinto ezimbilinofana ngaphezulu lokha nawuyihobanisa nomfundin gaphakathi nangaphandle <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Nikela umnhwana ngamunye “iwupsi”. (Utijhere utiengisa abafundi ngokwenza umdalo nabo begodu atijo amaga: (“ngaphakathi no ngaphandle”). Kufanele beqele ngaphakathi kwe wupsi begodu beqele ngaphandle lokha utijhere abanikela umlawo wokwenza njalo. - Jama ngenyawo eliodwa ngaphakathi kwe wupsi begodu elinye libe ngaphandle kwe wupsi. - Thatha ibhoksi bese abafundi beqela ngaphakathi nangaphandle kwalo begodu bacocisane ngokuthi lo owegako weqela ngaphakathi / ngaphandle - Ukwiegela ngaphakathi nangaphandle kwamatayere njengencenyeyomsebenzi wokuthuthuka ngokomzimba. - Ukwiegwa bangene begodu baphume ngewupsini bavale amehlo. <p>Ukusebenzia izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Bafake unodoli (umntwana) ngaphakathi begodu bamukhuphe ngekhothini / embhedeni - Baphosele ibholo / umgodlana wamabhontji ngaphakathi kwe wupsi / tayer. - Basebenzise idaka baligede balenze ibholo besetallandele libe sipara (indlwana yeyoni);geda iimbholo ezzidulako kwe yodwa (amaqanda) begodu uwafake ngaphakathi / uwakhuphe ngendwaneni lokha utijhere akulayela bona wenze njalo. <p>Sebenzia amajamo notana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Baqale isithombe babone bona bangathola izinto ezitijengisa umqondo othi ngaphakathi nothi ngaphandle. - Bazigwale bona bangaphakathi notana naphandle kwe wupsi / bhavu / njil.
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Iveke 2 Ukużjayeza linħloko	Isikhathi Sokufundisa Esitjhukunysiweko: Umsebenzi wetħarsi oħoddwa ohħeliweko okħokħelwa ngutijihre (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yemBalo ngaveke)	Amanothi athħaddħulako.	Ukulinganisa ubude besikhathi
3.2 Izinto eżibusontathu (3-D)	<p>Ukwakha izinto eżibusontathu 3-D usebenzisa umatheriyali ophathekako utjhaphulukile nġendlini</p> <ul style="list-style-type: none"> • Hlola ikghonakalo yeendlela eżinġi zokwakha ngamabħlogo ngesikhathi sokudala - Indima eddlawa ngutijihre kulamula emdilaweni lo. - Hlola ikghonakalo yeendlela eżinġi zokwakha ngamabħlogo ngokululeka abafundi bona bakhe imakhiwo ethabalelek (eplada), nemakhiwo ejame rwe (imibhotiżżejj), imakhiwo epheżulu nepħasi - Hlola ngemihlolo begodu urhemise amabħlogo aħlu kahlukeneko ngokumadanis ubu jamo obufanako. - Hlola ngemihlolo begodu urhemise imiħlolo ehlu kahlukeneko yamajamo ngokuwamadanisa ngokuqala ukulingga kwamasayizi. - Hlola ngemihlolo amabħlogo ngokuqala ukuthi likħulu nokuthi llinċani. - Umfundji ngamunye uthola amabħlogo ama 3 abuncaman bese bawahlia ngexindla eżinġi ngokungakħoneka ngakho isib. Ukuwa beka ngomuda ,ukuwa paka ngeendleħa ezahlu kahlukeneko. Abafundi banga madanisa begodu baköpe imakhiwo yabanye begidu babelane amabħlogo ngababilii ukubayelleħisa khudlwana ngobujamo. - Thuthukisa ukubuthwa kwamabħlogo wokwakha ngendlela kuhlathuluiwe ngayo ngemva kwejtħelufu ngokumadanisa ngendlela kuhlathuluiwe ngayo. 	<p>Insetjenziswa eżiphakkanyisiweko</p> <p>Amabħħlogo kufanele apakwe ematjħelufini, ngendlela amabħħogo aħlu kahlukeneko ahlekkie ngayo ngemva kwejtħelufu.</p> <p>Insetjenziswa eżingezelewiweko okufana nemidwebo emincani (iñnhombe / ubuso obunamathisew ħġażżeen pheks wezambath) immodoro zokkudħala, iñnlwana zeplasini, amatshwayo wendlela njil. kufanele zenzevi zibekħona.</p>	<p>ilangha eli-1begodu ubuelele ngesikhathi sokutjhaphuluka ngamalangha woke</p>

Iveke 2 Ukuzyayenza	Isikhathi Sokufundisa Esitjhukunysiweko: Umsebenzi wetlasi owdwa oheliweko okhokhelia ngutijhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngaveke)	Amanothi atlhaddihulako.	Insetjenziswa eziphakkanyisiweko	Ukulingesanisa ubude besikhathi	
linhoko	3.2 Izinto ezbobusontathu (3-D)	<ul style="list-style-type: none"> Hlathulula, hlaela ngemihlobo begodu umadanise izinto ngokuya ngemibala esisekelo, hlaza sasibhakabhaka, bovu nosarulanii <p>Bonisa umbala munye kuhela ngesikhathi esisodwa. Ungahlobanisi umbala owdowa nobujamo obubodwa.</p> <p>Nikela isiqhema ngasinye iwobhi lezinto ezbobusontathu 3-D namabumbekto abobusobubili 2-D. Hlukanissa abafundi babe ziinqhema ezi 5.</p> <ul style="list-style-type: none"> Utitjhere uthula umbala ngamunye ngokuphakamisa ikarada elinombala lwo afuna bona abafundi bawazi isib. Ohlaaza sasibhakabhaka. Buyetela godu ngemintye imibala. Abafundi abahlele ngemihlobo izinto ezbobusontathu 3-D nobujamo obubusobubili 2-D ngokuya ngamakarada akhonjisiweko. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Kunupela iindulungu ezimbala ehlukahlukeneko (bovu, sarulani, hlaza sasibhakabhaka) ezisikwe emakhadibhodini eemfubeni zabafundi. Abafundi bazihiela ngokwabo ngokuya ngemibala ehlukahlukeneko. Ngibonise iindlebe zakho begodu uzibale. Zingaki? Zinengi ngayinye? Asizibale. Ngibonisazakho.? <p>Ukusebenzisa izinto eziphathenkako ezbobusontathu (3-D)</p> <ul style="list-style-type: none"> Utitjhere ubizela abafundi abahlanu ngaphambili bese anikele omunye nomunye into ezbobusontathu 3-D engarfani neyabanye bona baziphathe ngezandia zabo. Abanye abafundi basala bahlezi phasi eenghemeni zabo kuthi amawobhi wezinto ezinobuso obuthathu 3 –D zibe phakathi neentafua zabo. Umfundi wokuthoma ongaphambili uphakamisa into yakhe enobuso obuthathu 3-d isib. Ihlogi eliihlaza sasibhakabhakanofana iindulungu esarulani enobujamo be Logi, nafana amaphazeli njil. Abafundi abasemafuleni bahela ngemihlobo izinto ezhlukahlukenko eznibuso obuthathu 3-D ngokuya ngokuthi umfundi uphakamise ini. <p>Ezipheze zipphatheke usebenzise ubujamo obubusobubili (2-D)</p> <ul style="list-style-type: none"> Utitjhere ulungisa amapende wemino ngaphambili kwasikhathi. Abafundi bagwala amajamo ependeni basebenziza imino yabo. Gantelela/gadangisa ubujamo obubusobubili 2-D begodu ubupende. 	ilangga eli-1 Imihlobohlobo ehlukahlukeneko yezinto ezbobusontathu 3-D namajamo/inthombe ezbobusobubili 2-D ngettasini isib. Iimvalo zamabhdlelo, amabhlago we Legoo, ubujamo bemibalabala bama Logi njil. Amakarada wemibala olhlaaza sasibhakabhaka, obovu, osarulani Imihlobohlobo yobujamo obubusobubili 2-D nezinto ezbobusontathu 3-D.	Imihlobohlobo ehlukahlukeneko yezinto ezbobusontathu 3-D namajamo/inthombe ezbobusobubili 2-D ngettasini isib. Iimvalo zamabhdlelo, amabhlago we Legoo, ubujamo bemibalabala bama Logi njil. Amakarada wemibala olhlaaza sasibhakabhaka, obovu, osarulani Imihlobohlobo yobujamo obubusobubili 2-D nezinto ezbobusontathu 3-D.	Iresebhe yamatende wemino: 1 ikomiti yeflowuru 1 ikomiti yetjhukela 3 amathosi weday yokudla/ pende yepuyere 5 iinkomiti zamanzzi abilako (rura amanzi angene kancani kancani)
3.3 Ubujamo obubusobubili (2-D)	3.3 Ubujamo obubusobubili (2-D)				

Iveke 2 UkuZijayeza linhoko	Isikhathi Sokufundisa Esitjhukunysiweko: Umsebenzi wetlasi owdwa oheliweko okhokhelia ngutitjhore (Indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yemBalo ngeveke)	Amanothi atlhaddhulako.	linsetjenziswa eziphakkanyisiweko	Ukulinganisa ubude besikhathi
4.1 Isikhathi	<p>Ukulandelanisa izehlakalo ezizibuyelelako zobuphilo bakhe bangamalanga</p> <ul style="list-style-type: none"> • Ukwethnula itjhadi lamaLanga wamaBeletho <ul style="list-style-type: none"> - Tlama itjhadi elimibalabala lamalanga wamaBeletho ,isib isitimela esinamatrogrisi ali 12 (ukwenzela inyang a enye neny) – iinyanga zilandelaniswa kusukela ngesinceleni ukuya ngakwesokudla ematrogisini. Beka igama netshwayo / isithombe somunye nomunye umfundi enyangeni efaneleko yamabeletho. - Thuthukisa ilemuko lomqondo wesikhathi isib. iinyanga zonyaka ngokuvuma amagama weenylanga begodu bakhombe igama lenyanga. - Thuthukisa ilemuko lejhuba lokufunda isib. Khangisa ngelebula yenyanga ngayinye yonyaka ereyini linye kusukela ngesinceleni ukuya ngesidleni. - Abafundi abathole amatschwayo/iinthombe zabo begodu bafundne ngehloko bona ilanga labo lamabelethwa lingayiphi inyang. - Bakuthaze bona bazi iminyaka yabo. - Buyelela umsebenzi lo njalonjalo. <p>Itjhadi lamaLanga wamaBeletho elineenyanya ezelitjhumi nambili zonyaka ezikhangiswe kusukela ngesinceleni ukuya ngakwesokudla. Umqhele nofana isithombe sekhakele lelanga lamabeletho likhombisa amalanga wamabeletho adlilieko. Amalanga wamabeletho aseza koakanawo umqhele nofana ikhekhe.</p> <p style="text-align: right;">ingoma: zenzele itjhuni yakho “Tjhirhweni, Mholanja, Ntaka, Sihlabantangana, Mhayili, Mgwengweni, Velabahlizze, Rhoboyi, KhuKhulamungu Sewula, Sinyikhaba, Nobayeni.</p>	<p>Tjheja:</p> 	<ul style="list-style-type: none"> • Ilanga lamabeletho lomfundni limunyaya okhethekileko begodu kufanele kube nesikhathi esibekelwa ngeqadi sendulungu yamabeletho lapho ittasi loke livuma ingoma ethi Langa Elihle Lamabeletho begodu bawahle amahlandia ambalwa, batengisa iminyaka abesana / abantazana abanayo. • Umfundi ngamunye ngetlasini angagwala isithombe bese utitjhore angabuthelela yoke imigwalo ayenze incwadi yamalanga wamabeletho wabafundi abazabe bagidina amalanga wabo wamabeletho. • Utitjhore angenzela umfundi ogidunga ilanga lakhe lamabeletho umqhele begodu abafundi bangahlobisa ngamaphepha abhiwiweko lowo mqhele • Imisetjenzana ebuyabuyelelwako emnyakeni woke lokha nakulilanga lamabeletho 	

Iveke 3 Ukuzyayenza linhloko	Isikhathi Sokufundisa Esitjhukunysiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi atlhadhulako.	linsetjenziswa eziphakanyisiweko.	Ukulingesanisa ubude besikhathi
1.1 Ukubala izinto	Linganisa begodu ubale izinto zangamalanga ngokuthembeka <ul style="list-style-type: none"> • Ukubala ngehloko kwangamalanga <ul style="list-style-type: none"> - Ukubala okungakahleleki / kwegido kusuka ku ku 1-5 - Ukuvuma iingoma nemilolozelo yeenomboro <p>Nanyana abafundi bangahle bangabi nelwazi leenomboro lokha nabafika eGreyidini R, kufanele bakhuthazwe bona bavume imilolozelo neengoma zeenomboro begodu babale ngokungakahleleki ngamalanaga.</p> 	Ukubala nokubala izitho ezihlukahlukeneko zomzimba <p>Ukubala okungakahleleki kusuka ku ku 1-5</p> <p>Okuphathelene nokusikinyeka komzimba (ukuhlanganisa NamaKghono Wepilo – ubuyena nehlakuhle yomuntu qobo lakhe)</p> <ul style="list-style-type: none"> - Ukuithuthukisa ilemuko lenani lamalungu ahlukahlukeneko womzimba ngokuwabala. - Ngibonisa ipumulo yakhlo begodu uybale. Uneempumulo ezingaki? Ngibonisa iindlebe zakho begodu uzibale. Zingaki? Zinengi ngayine? Asibale siragele phambili. - Ngbonisa izandla zakho. Zingaki? Asizibale. Yini okhunye okubonako ezandleni zakho? Iminol! Ungayibala? Asibale imino yesandia esisodwa: 1, 2, 3, 4, 5. - Mangaki amehlo? Bala amehlo wakhlo neendlebe zakho. Thinta izindlebe namehlo wakhlo lokha ubalaloko, thoma ngezindlebe zakho. - Hlala eduze nomgani wakhlo ubale amalungu womzimba wakhlo, kodwana athinte mantanzi bese uyawabala. Utijhere uzakukhokhela ikambiso le, isib. Thinta iindlebe yomngani wakhlo eyodwa; thinta enye iindlebe; /zbale: 1, 2, Ziyalanga nezakho? Ragela phambili nomsebenzi lo. - Yitjho amalungu womzimba lapho umuntu nomuntu anelungu elliodwa isib ipumulo yinye, umlomo munye, isilevu sinye njil. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetek ezibusobubili (2-D)</p>	<p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Baziqale esibonibonini begodu bagadangise / bazigwale. - Gwale ingaphandle lemizimba yabo ephephandaben begodu bakgabise ngokufaneleko. Gwala umuda udile phakathi naphakathi. - Sika iinthombe zamalungu ahlukahlukeneko womzimba kibo magazininofana umkhangiso bese uqedelela ubuso. - Sika ubuso kibo magazine bese ugwalla amalungu womzimba amanye angekho. 	<p>Ngamalanga</p> <p>ilanga eli-1</p> <p>Ingoma/ umlolozelo womsikinyeko</p> <p>Amaphazelii / imidalo ejamele abantu abahlukahlukeneko nemifanekiso yemizimba imidalo yamakarada</p> <p>Abafundi</p>

Iveke 3 Ukuwijayeza linhloko	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi atihadhulako.	linsetjenziswa eziphakanyisiweko.	Ukulingesanisa ubude besikhathi
3.4 Isimethri	<p>UkuKhumbula umuda wesimettri /wokubanda phakathi kuye.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Gandeleta umqondo wokuthi "ihlangothi linye/ihlangothi elinye"</p> <p>Uttijhere ukhuluma nabafundi ngengaphambili lomzimba nengemuva lomzimba kanyenengapherezulu nengaphasi lomzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Baziqale esibonibonini lapho bazakghona ukubona umzimba wabo woke. - Ukubona ukuthi ngiwaphi amalungu womzimba wabo aseihlangothini linye akhona godu nangakelinye ihlangothi. - Bathinte amalungu wemizimba yabo njengoba bayalawela isib "Thinta izinzwan i zakho, thinta iilyawo zakho, thinta imilene yakho" .abafundi bangenza umsebenzi lo bavale amehlo. - Bathinte ilungu linye lomzimba wabo ngelinye ilungu lomzimbaisib "Thinta idolo lakho ngepumulo yakho, njii" (nomsebenzana wokuphambanisa amalungu womzimba) 	 <p>Abafundi</p>	ilanga eli-1	
3.2 Izinto ezibusontathu (3-D)	<p>UkuKhumbula , ukubona nokubiza ngamagama izinto ezinbusobuthathu 3-D ngetlasini - limbholo</p> <ul style="list-style-type: none"> • Khumbula , bona begodu ubize ngamagama iimbholo - Abafundi badlala ngeembholo begodu batjengise bebatijo zoke izinto ebangazzenza ngebholo. Uttijhere ukhokheli inkulumiswano rigokubuza imibuza. - Ukubona zoke izinto ezigedekako isib. Batjengise amabhlogo begodu ubuze umbuzzo: "Ucabanga bona ibhilo lingagedeka? Asiboneni". - Gedé zoke izinto begodu utijheje bona zigedeka njani isib. Amabhlegé agegedekela ngehangothi linye kuphela. - Sebenzisa idaka / ihlama ukubumba iimbholo ezingagedeka ngesikhathi sokwenza imisebenzi yobukghwari (ukudala ngokutjhaphuluka ngaphakathi). - Ngesikhathi sokukhamba, abafundi bangazama ukuvumela imizimba yabo bona igeedeke ngokugedeka baalele phasinofana benze imizimba yabo bona ifane nebbolo bese bayagedeka. 	<p>lsiboniboni estijengisa ubude</p> <p>Uttijhere angenza isithombe esihlanganiswa ngeenekunupe ezihlukana kabil asebenzise ibhodi eqinileko</p> <p>Izinto ezyindulungu isiboneko amalamune, ama-apula, iimbhools, amabhlegana anganaliito arondo (yen za iimpholo ngokusebenzisa umatheriyali ongabuye usetjenziswe godu isib iimbholo ezenziwe ngephephandaba elhihohlewe ngaphakathi kwemikheyiza.)</p> <p>Izinto ezzinkwre isib amabhlogo. Iresebhe yeahlama yokudlla:</p> <p>1 ikomiti yeflowuru ½ ikomiti yetswayi 1 ikomiti yamanzi 2 amalebhula wetye wamafutha wokupheka Amathosi ambalwa wedayi yokudla</p>	ilanga eli-1	

<p>Iveke 3</p> <p>Ukużjayeza</p> <p>linħolo</p>	<p>Isikħathi Sokufundisa Esitħiġukiysiweko: Isifundo sinye esħħeliweko sangħatasini esirholwa ngutti jidher (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeħħħal ngevke)</p> <p>Amanothi atħadħħulako.</p> <p>3.3 Ubużjamo obubusobubili (2-D)</p> <p>Ukuħumbula , ukkubona nokutti ħo ngamagħama ubużjamo obubusobubili (2-D)</p> <p>ngħetasini neenħombeni - indulungu - Thula indulungu</p> <p>Okupħathelene nokusikinyek komzimba.</p> <p>Lokha nawurħtula indulungu kokuthoma izintu ezisetjenziswako kufanele zifane poro nghakko koke (isayiżi efanako, umbala ofanako, ubużjamo obufanako)</p> <p>Utitjhore ugwala indulungu effluriwini / ehlabathini. Vumela abafundi bona bakhamb megea nomuwa wangaphandle wendulungu bakhamb be bathi , "Ngikħamha magega nendulungu....njiyazungeleza njiyazungleza".</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Babambane ngezandla benze indulungu. - Benze indulungu ngemizimba yabo. - Kħambe ngaphakathi kwendulungu babe bavuma ingoma ethi "Isikħwa somuribħeyi". - Bahħale phasi ngendulungwini badluliselane into isuke komunye iye komunye babe bacu "izambana eliżżejk idilulise". Urmfundi osaphethe into leyo lokha ingoma nayipħelako kufanele akħambe ayokħiha phakathi nendulungu. <p>Ukusebenzisa izintu ezipphathekako eżibusontathu (3-D)</p> <p>Utitjhore utjengħisa umfundi iwupsi begodu abahħiathululele bona ubużjamo lobu bubiżwa ngokuthi yindulungu. Indulungu ayinawo amakhħona.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Bambe amawupsi abusontathu 3-D balokha bakhambisa imino yabo emawupsi. - Thola izintu eżibusontathu 3-D ngeti sali eżifanu neendulungu ngoblijamo. <p>Hieha ngemħi loblo begodu umadanise izintu eżibusontathu 3-D ngokuya ngamasayiżi nombala</p> <p>Utitjhore unikela abafundi imħilobohi loyeżżeñ eżibusontathu 3-D namajamo abobusobubili 2-D ngamasayiżi aħlu kħalkeneko (ezikkuu nezincani) nemibla (bovu, sarulani noħlaza sasibħakkabha) okufana neemħħolohi zetenesi , amamabula, imħabla, imħabla, nill</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Hieha izintu ngemħi loblo zibe ngezi kulu nezi nċani. - Buttejja izintu ngemibala eħlu kħalkeneko. 	<p>linsetjenzisa ezipphakanyisiweko.</p> <p>Ukulinganisa ubude besikhathi</p> <p>ilangha eli-1</p> <p>Ingoma, "nakħu lapha sikkamba khona sizombeteza isikħwa semuribħeyi".</p> <p>Umħħal, 'izambana eliżżejk, lidulise'</p> <p>lwupsi</p> <p>Izinto eżħi lu kħalkeneko eżzindulungu eżibusontathu 3-D okufana neembħolo zetenesi, amamabula, nama bħaloni, nill. Ubujamo obubusobubili 2-D okufana neendulungu zamplastiki eżijskiweko</p>
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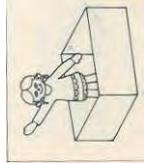
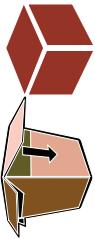
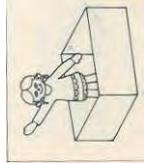
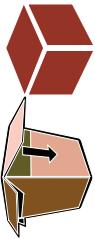
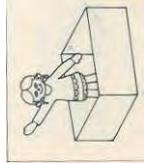
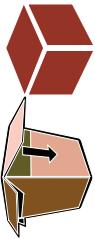
Iveke 3 Ukuwijazeza linhoko	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhore (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi atlhadhulako.	linsetjenziswa eziphakanyisiweko.	Ukulingesanisa ubude besikhathi
4.1 Isikhathi	<ul style="list-style-type: none"> • Thula Itjhadi Lobujamo Bezulu <ul style="list-style-type: none"> a) Isikhathi b) Amalanga weveke c) Ukulandelana kvezehlakalo d) ukubala - Ubujamo bezulu bujamele iveke (yamalanga ama-5) usebenzise amakarada wamatshwayo isib amalanga ama 5 weveke arhenysiswe kusukela ngesinceleni ukuya ngesidleni usebenzise amatshwayo wobujamo bezulu.(bona isboneo esingenzasi) - Ubujamo bezulu kufanele kusefenzwe ngabo ngamalanga. - Utijhere urhola abafundi bona bathole igama lelanga , idadamu nenyangga ngama fletjhi karada njengange dayagramini (ngokukhamba kwsikhathi abafundi banga thola begodu bakhangise amafletjhi karada ngokwabo). - Umrholi welanga uqala ubujamo bezulu ngaphandle begodu abelane lokho akutholileko nabanye abafundi isib. Kunezulu-, kunamafu-, kuneianga. - Utijhere ukhangjisga ngalokhko okutholileko ngama fletjhi karada niengangedayagramini (ngokukhamba kwsikhathi abafundi banga khangisa iinthombe ngokwabo). - Ngokwenza nje, abafundi bafunda ngamalanga weveke namalanga wangepelaveke. - Bafunda ngokwanamhlanje, izolo, kusasa, njii. bangakacapheli. - Abafundi bankelwa amathuba amanengi wokubala kufikela ku ku 5. Ukubala amalanga lapho kuneianga khona, amalanga amakhaza, amalanga anomoya, njii. - UkuKhangisa ngamatshwayo wabafundi lokha nakukhona amalanga wamabeletho phakathi kweveke. - Khangisa ngahanoma ngimuphi umsebenzi owenzekako phakathi kweveke isib. Ukuya esiqiwini seembandana (okujanyewe sithombesesibandana) 	<p>Itjhadi yobujamo bezulu kufanele bujamele iveke yoke isib. Amalanga weveke arhemysiswe kusuka ngesinceleni zokuthoma ezisi 6 begodu kusefenzwe ngawo ngamalanga.</p> <p>Amafletjhi karada we:</p> <ul style="list-style-type: none"> - Amalanga alikhomba weveke - linomboro 1-31 - Amagama weenyanga ezili 12 - Unyaka isib. 2012 - Amakarada anobujamo bezulu. Isib. 	 umoya  ilanga  izulu  amafu	Fundisa abafundi ingoma yokufunda ngehloko amalanga weveke

<p>Iveke 3</p> <p>Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) \pm 30 yemizuzu ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)</p> <p>Ukuwijayeza</p> <p>linhoko</p>	<p>Amanothi atlhadhulako.</p>	<p>linsetjenziswa eziphakanyisiweko.</p>	<p>Ukulingesanisa ubude besikhathi</p>																																
	<p>Isibonelo setjhadi lobujamo bezulu</p>	<table border="1"> <thead> <tr> <th colspan="2">Itjhadi lobujamo bezulu</th> </tr> <tr> <td>Mgwengweni</td> <td>2012</td> </tr> </thead> <tbody> <tr> <td>uSondo</td> <td>uMvuloo</td> <td>uLesibili</td> <td>uLesithathu</td> <td>uLesine</td> <td>uLesihlanu</td> <td>uMgqibelo</td> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Itjhadi lobujamo bezulu		Mgwengweni	2012	uSondo	uMvuloo	uLesibili	uLesithathu	uLesine	uLesihlanu	uMgqibelo	12	13	14	15	16	17	18															
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<p>4.1</p> <p>Isikhathi</p>	<p>Ukulandelanisa izehhlakalo ezizibuyelelako zobuphilo bakhe bangamalanga</p> <ul style="list-style-type: none"> Amalanga weveke <p>Utitjhere ufundisa abafundi ingomanofana umlolozelo omayelana namalanga weveke. Buyeteela ngamalanga njengoba kukhulunyiswana ngetjhadi lobujamo bezulu.</p> <p><i>Ingoma:</i></p> <p>"Kunamalanga alikhomba, kunamalanga alikhomba, kunamalanga alikhomba evekeni. "uSondo, uMvuloo, uLesibili, uLesithathu, uLesine, uLesihlanu, uMgqibelo." (X2)</p> <p>Thula itjhadi utjengise iinkathi zonyaka ezine utjengise nge tjobi:</p> <ul style="list-style-type: none"> Sikisiphi isikhathi sonyaka njenga nie? Ngisiphi isikhathi sonyaka esiqeda ukudlula? begodu Ngisiphi isikhathi sonyaka esilandelako? Khangisa isithombe sesikhathi sonyaka sanje sikhambisane nenyanga efaneleko isib. uTjhirhweni kufika kuNtaka ungakhangisa ngeenthombe zehlolo. 	<p>Ingoma: amalanga weveke ,nofana bazitlamale ingoma yabo yamalanga weveke</p> <p>Amakarada amane ahlukahlukeneko anesithombe sasinye seenkathi zonyaka.</p> <p>iinkathi zonyaka</p>	<p>Tjhegulula lokha iinkathi zonyaka zithuguluka</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Somer</td> <td>Herfs</td> <td>Lente</td> <td>Winter</td> </tr> </table>					Somer	Herfs	Lente	Winter																								
Somer	Herfs	Lente	Winter																																
	<p>Tjheja:</p> <p>Yoke imiqondo emitjha kufanele yethulwe ngokulandela iingaba lezi:</p> <ul style="list-style-type: none"> lingaba zokuphathelene nokusikinyeka komzimba (ukuthola imiqondo ngomzimba nemizva) lingaba eziphathekako (sebenzisa izinto ezibusontathu 3-D). lsigaba sezipheze ziphathekhe (ukulingesanisa izinto ezibusontathu 3-D ephephni isib imigwalo, ukumadanisa iinthombe, imidalo yamakarada, amaphepha wokusebenzela, njil.) Woke amajamo "athabaleleko" athathwa njenga busobubili. 																																		

Iveke 4 Thoma ngokwethula ennomborweni. linhloko	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhere (indulungu) ± 30 yemizzuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi athadhlulako.	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi llanga li-1
1.1 Ukubala izinto	<p>Ukubona nokuhlathulula iinomboro ezizeleko</p> <ul style="list-style-type: none"> Ukuthula ihlathululo yenomboro u ku-1 <p>Ukubala komlomo okungakahelerki kwangamalanga kusuka ku ku 1-5</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukuhkhomba amalungu womzimba isib. Ipumulo yinye. - Vuma ngehloko kanye, gadanga phasi kanye, yeqa kanye njil. - Phakamisa umuno mu -1, isandla si- 1, inyawo li -1 njil. - Abakhe inomboro u ku -1 ngemizimba yabo. - Abatlole inomboro u ku- 1 emoyeni / ehlabathini. - Wahla kanye kuphela <p>Ukusebenzisa izinto eziphathetekako ezibusontathu (3-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukubona nanyana ngiyiphi into ekhamba yodwa ngetasini isib. Ibhlogo eliodwa lokwakha. - Yakha inomboro u ku -1 ngedaka / ngehlama yokudala <p>Sebenzisa amajanonofana iinthombe eziphewe ziphathetekozobuso obubili (2-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukuhona isithombe esinento eyodwa emafletjhi karadeni ahlukahlukkeneko. - Metjha amakarada weenthombe anesithombe esisodwa namakarada anethosi/dothi eliodwa. - Ngasosoke isikhathi hlanganisa ikarada lesithombe nekarada ledothi nenomboro elinganako yezinto zokubala isib. Paka inomboro/ inani eilinganako lezinto zokubala edothini ngalinye. - Ngemva kokwethula inomboro u ku -1 utitjhere ukhangisa amafletjhi karada magega neboda bona abafundi bawabone ngamalanga. 	<p>lingorma nemiolozelo weenomboro</p> <p>Abafundi</p> <p>lzinto ezingetasini nebhodulukweni</p> <p>Into yi-1 yokubala yomfundi munye Imihlobohlobo yamafletjhi karada weenthombe Amafletjhi karada wamaqatjhazi / wamadothi</p>	<p>Isithombe sento ye-1</p> 	

<p>Iveke 4 Thoma ngokwethula ennomborweni.</p>	<p>Isikhathi Sokufundisa Esiphakanyisiveko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Ukulinganisa ubude besikhathi</th><th style="text-align: center; padding: 5px;">linsetjenziswa eziphakanyisiveko.</th></tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <p>ilanga eli-1</p>  </td><td style="padding: 5px;"> <p>Amanothi athadhlulako.</p> <ul style="list-style-type: none"> • Ukubona amaphetheni ebhodulukweni nezambathweni zabafundi <p>Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Khulume ngamaphetheni abawabona ebhodulukweni nezambathwe nini zabo: - Ngimaphi amaphetheni anemida begodu ngiwaphi amabhlogo? - Amaphetheni ayafana woke na, yini umehliko begodu yini okufanako? - Yini okwenza iphetheni? - Iphetheni iyabuyabuyelela –imida / amabhlogo / ubujamo <p>Okuphathelene nokusikinyeka komzimba</p> <p>Kopuluka begodu ungezelele amaphetheni</p> <p>Utitihere ubophelela iriboni ebou nehlaza sasibhakabbaka emikhonweni yabafundi abane. Wakha iphetheni ngokubeka umfundi uneriboni ebou ngaphambili kwetasi bese kulandele umfundi weriboni ehlaza sasibhakabbaka, bese kuze weriboni ebou godu. Abafundi abaqedelele iphetheni.</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utitihere utlama iphetheni ngeemvalo zamabhdheli ezi 3 ezihlaza sasibhakabbaka neemvalo zamabhdheli ezi 3 ezibovu. - Abafundi abakopulule iphetheni yakatitjhere. </td></tr> </tbody> </table>	Ukulinganisa ubude besikhathi	linsetjenziswa eziphakanyisiveko.	<p>ilanga eli-1</p> 	<p>Amanothi athadhlulako.</p> <ul style="list-style-type: none"> • Ukubona amaphetheni ebhodulukweni nezambathweni zabafundi <p>Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Khulume ngamaphetheni abawabona ebhodulukweni nezambathwe nini zabo: - Ngimaphi amaphetheni anemida begodu ngiwaphi amabhlogo? - Amaphetheni ayafana woke na, yini umehliko begodu yini okufanako? - Yini okwenza iphetheni? - Iphetheni iyabuyabuyelela –imida / amabhlogo / ubujamo <p>Okuphathelene nokusikinyeka komzimba</p> <p>Kopuluka begodu ungezelele amaphetheni</p> <p>Utitihere ubophelela iriboni ebou nehlaza sasibhakabbaka emikhonweni yabafundi abane. Wakha iphetheni ngokubeka umfundi uneriboni ebou ngaphambili kwetasi bese kulandele umfundi weriboni ehlaza sasibhakabbaka, bese kuze weriboni ebou godu. Abafundi abaqedelele iphetheni.</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utitihere utlama iphetheni ngeemvalo zamabhdheli ezi 3 ezihlaza sasibhakabbaka neemvalo zamabhdheli ezi 3 ezibovu. - Abafundi abakopulule iphetheni yakatitjhere.
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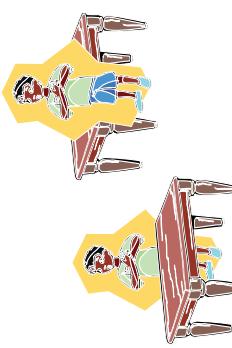
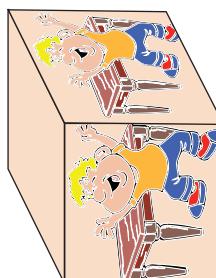
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3.2 Izinto ezibusontathu (3-D)	Ukukhumbula , ukubona nokutjho ngamagama izinto ezibusontathu (3-D) nobujamo obubusobibili (2-D) ngetasini neenthombeni. Ukuthuthukisa ikghono lokuhlukenisa phakathi kwezinto ezi “ngaphambili nezingemuva” Utitjhore ubeka izinto ezihlukahlukenko ngetasini nangaphandle ekundla yokudlla. Vumela abafundi bona:		<p>Ukukhumbula , ukubona nokutjho ngamagama izinto ezibusontathu (3-D) nobujamo obubusobibili (2-D) ngetasini neenthombeni.</p> <p>Ukusebenzia izinto eziphathhekako ezibusontathu (3-D)</p> <p>Utitjhore ubeka izinto ezihlukahlukenko ngetasini nangaphandle ekundla yokudlla.</p> <ul style="list-style-type: none"> - Tjengise izinto ezihlukahlukenko ngetasini isib. Izinto ezenziwe ngekhuni, izinto ezibovu, izinto ezenziwe ngeplastiki njil. - Funa izinto ezithile ngetasini lokha utitjhore abanikela iinlayelo isib. Ibholo elisembablogweni wesimumathi sama bhlogo we Lego, ikoloyana yokudlla ngekasini leenkomiti, ipensela ngebhlegeni njil. - Funa izinto ezifanako isib. Linkunupe ezirondo hlangana neenkuunupe ezizinkwere, umabula obovu hlangana namamabula amibalabala njil. - Hlela ngemihlolo izinto ngokuya ngemihlolo yazo isib. Isayizi, umbala, ukuthintekanofana ubujamo.. - Diala umdialo , “Ngiyayibona ngamehlo wami amancani, into erondo.....” - Funa izinto ezithile ebbodulukweni lokha utitjhore nakabalayelako isib inyonimthini, iribhoni emthini, ithuthumbo elihle, ubutjhontjhwanu phezu kwe bhari, njil - Ekhaya abafundi kufanele bakhuthazwe bona bakhuphe zoke iingobhonofana imikhwanofana iimforogo elayini. 	<p>Izinto ezihlukahlukenko ngetasini neenthombeni</p> <p>Sebenzisa amajanonofana iinthombe ezipheze ziphathelke zobuso obubili (2-D)</p> <p>Tjengisa abafundi isithombe begodu ubabuze imibuzzo ngesithombe leso.</p> <p>Isibonelo:</p> <ul style="list-style-type: none"> - “Umtazanyana uphethe ini esandleni sakhe?” - “Bangaki abantu abangesikepeni?” njil. - Ukwakha ama PHAZELI nokudlla amadomino weenthombe kufanele bona esihlangahiangeneko 	<p>ilanga eli-1</p>  <p>Esinye nesinye isithombe esikhulu okungakhulunyuwa ngaso. (Iphostara)</p> <p>Amaphazela</p>
3.3 Ubijamo obubusobibili (2-D)					

<p>Iveke 4 Thoma ngokwethula ennomborweni.</p>	<p>Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhere (indulungu) ± 30 yemizzuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Ukulinganisa ubude besikhathi</th><th style="text-align: center; padding: 5px;">linsetjenziswa eziphakanyisiweko.</th></tr> </thead> <tbody> <tr> <td style="padding: 5px;"> llanga li-1 llanga eli-1 </td><td style="padding: 5px;">  </td></tr> <tr> <td style="padding: 5px;"> Amabhoksi ahlukahlukenenko amakhulu namancani (isigandisi esinganalitho namabhoksi wesitofu) </td><td style="padding: 5px;">  </td></tr> <tr> <td style="padding: 5px;"> Vumela abafundi bona: <ul style="list-style-type: none"> - Beqelete ngaphakathi nangaphandle kwe bhoksi ellkhulu lekhadhbhoksi. - Bahole ingaphakathi lebhoksi ngokukhuluma ngalokhoo abakubona ngaphakathi kwe bhoksi isib. Ibhoksi line fluru/ iphasi/, amahlangothi amane/ / amaboda nesivalo. - Vula ibhoksi ukubona ubujamo balo </td><td style="padding: 5px;"> Ukusebbenza izinto eziphathenkako ezibusontathu (3-D) <ul style="list-style-type: none"> - Ukusebbenza amabhoksi ukwakha isakhiwo isib. indlu, igaratjhi (sebenzisa ngesikhathi Sobukghvari Obubonakaako ukwakha umakhiwo ngemihlobo yamabhoksi anamasayizi ahlukahlukenenko) - Nikela abafundi izinto ezahlukahlukenenko okufana namakinobho, amabhoksi weyunifikasi, iimvalo zamabhoodhelo, inkunupana zeplastiki zokubopha uburotto. </td></tr> <tr> <td style="padding: 5px;"> Vumela abafundi bona: <ul style="list-style-type: none"> - Hlela izinto ngemihlobo zibe ziinqhema zehlolo elfanako. - Thole bona umehluko uyini phakathi kwezinto - Thole bona ngiziphi izinto ezizilinkwere begodu ngiziphi ezirondo - Hlela ngemihlobo izinto ngokuya ngemibala efanako </td><td style="padding: 5px;"> Amabhoilogwo weyunifikasi , iimvalo zamabhoodhelo, inkunupana zeplastiki zokubopha uburotto (abafundi bangeza nazo kusuka ekhaya) </td></tr> </tbody> </table>	Ukulinganisa ubude besikhathi	linsetjenziswa eziphakanyisiweko.	llanga li-1 llanga eli-1		Amabhoksi ahlukahlukenenko amakhulu namancani (isigandisi esinganalitho namabhoksi wesitofu)		Vumela abafundi bona: <ul style="list-style-type: none"> - Beqelete ngaphakathi nangaphandle kwe bhoksi ellkhulu lekhadhbhoksi. - Bahole ingaphakathi lebhoksi ngokukhuluma ngalokhoo abakubona ngaphakathi kwe bhoksi isib. Ibhoksi line fluru/ iphasi/, amahlangothi amane/ / amaboda nesivalo. - Vula ibhoksi ukubona ubujamo balo 	Ukusebbenza izinto eziphathenkako ezibusontathu (3-D) <ul style="list-style-type: none"> - Ukusebbenza amabhoksi ukwakha isakhiwo isib. indlu, igaratjhi (sebenzisa ngesikhathi Sobukghvari Obubonakaako ukwakha umakhiwo ngemihlobo yamabhoksi anamasayizi ahlukahlukenenko) - Nikela abafundi izinto ezahlukahlukenenko okufana namakinobho, amabhoksi weyunifikasi, iimvalo zamabhoodhelo, inkunupana zeplastiki zokubopha uburotto. 	Vumela abafundi bona: <ul style="list-style-type: none"> - Hlela izinto ngemihlobo zibe ziinqhema zehlolo elfanako. - Thole bona umehluko uyini phakathi kwezinto - Thole bona ngiziphi izinto ezizilinkwere begodu ngiziphi ezirondo - Hlela ngemihlobo izinto ngokuya ngemibala efanako 	Amabhoilogwo weyunifikasi , iimvalo zamabhoodhelo, inkunupana zeplastiki zokubopha uburotto (abafundi bangeza nazo kusuka ekhaya)
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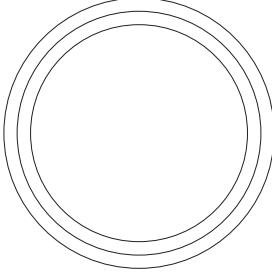
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3.3 Ubujamo obubusobubili (2-D)	Ukukhumbula , ukubona nokutijho ngamagama ubujamo obubusobubili 2-D ngettasini neenthombeni - uncantathu Yethula uncantathu	Lokha nawethula uncantathu kokuthoma, izinto eziisetjenziswako kufanele zifane poro ngakho koke (isayizi éfanako, umbala ofanako, ubujamo obufanako). Uncantathu unamahlangothi amathathu anqophileko. Lokhu kubizwa ngokuthi nguncantathu. Okuphathelene nokusikinyeka komzimba. Vumela abafundi bona: - Benza amajamo ngemizimba yabo isib abafundi aba-3 benza uncantathu ngemizimba yabo. - Benza aboncantathu basebenzisa imino yabo. - Benza amajamo waboncantathu ngeentokana zewulunofana ihlama yokudlala. - Khamba magega nobujamo baboncantathu. Lokha nabakhambako, abatti, 'Ngikhamba magega noncantathu, kurye, kubili, kuthathu amahlangothinofana kune, kubili, kuthathu amahugu (amahugu). - Yizwa amajamo. Sebenzisa ubujamo besayizi obukhulu/ obuyikakarambanofana beka ubujamo obuhluhukleneko ngaphakathyi "komgodiana ophethe izinto okufanele umfundi aqageli ngokuzwa/ngokuthinti bona ubambe ini" umfundi "uzwa" ubujamo ngaphakathi kwsikhwama begodu amadanise begodu abumadanise nesede yamakarada amadanako (amakarada agwalwe ubujamo). - Gwala ubujamo bakancantathu emoyeni, phasi/eflurini (tjhogo) bese ekugcineni bagwale ephepheni.	"Umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa / ngokuthinta bona ubambe ini" (isikhwama setjila esinereg phezulu) esiphethe ubujamo obuhluhukleneko bejiyomethri. Ukumaddanisa isedde yamakarada nobujamo obugwale kiwo. Amaphepha we A4 namakhrayoni.	Imidhalo yamakarada ethuthukisa ukukhumbula amajamo.	ilanga eli-1
	Hlathulula , hlela ngeengaba begodu umadanise izinto ezibusontathu 3-D nobujamo obubusobubili 2-D	Ukusebenzisa izinto eziphathetako ezibusontathu (3-D)	Vumela abafundi bona ba: - Hlele ngemihlobo ubujamo bama Logi ukuya ngobujamo (iindulungu naboncantathu), isayizi (okukhulu nokuncani) nombala (bovu, ezsarulan, hlaza sasibhakkha) - Bafune ubujamo obuboncantathu ngettasini nasebhodulukweni.	Ubujamo be Logi izinto ngetasini nebhoodulukweni	

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijihere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)															
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1.1	Ukuhlathulula nokubona iinomboro ezizeleko <ul style="list-style-type: none"> Ukugandelela ilwazi abalizuze evekeni 4 okufaka hilangana inomboro u ku -1. <p>Komlomo: Ukubala okungakahlelwa kusuka ku ku -1 ukuya ku ku -5</p> <p>Okupathethelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> Benze igido elenziwa ngamalungu womzimba isib wahlha ngezandia kanye. Uttijhere ubatjengisa ifletjhi karada ejiamale inomboro u ku -1 bese abafundi baphakamisa umuno mu-1 isandla si-1, inyawo li-1 njil. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> Thole into eyodwa ngetiasini. Bale into yokubala eyodwa. 	linsetjenziswa eziphakanyisiweko. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Isi-</td> <td>thombe</td> <td>sento 1</td> <td>1</td> <td>kunye</td> </tr> </table> <p>lingoma nemilolozelio yeenomboro</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Isi-</td> <td>thombe</td> <td>sento 1</td> <td>1</td> <td>kunye</td> </tr> </table>	Isi-	thombe	sento 1	1	kunye	Isi-	thombe	sento 1	1	kunye	linsetjenziswa eziphakanyisiweko			
Isi-	thombe	sento 1	1	kunye												
Isi-	thombe	sento 1	1	kunye												
	<p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetek ezbububili (2-D)</p> <ul style="list-style-type: none"> Metjhanisa isithombe esisodwa esinobujamo obuhukahlukeneko nefletjhi karada elinedothi elliodwa/ qatjhaza elliodwa Metjhanisa isithombe esinobujamo obuhukahlukeneko nefletjhi karada elinedothi / neqatjhaza elinethwayo lenomboro u ku -1. Metjhanisa itshwayo lenomboro namafletjihikarada anamabizo weenomboro. Yenza amaphazeli weenomboro begodu uvumele abafundi bona bawa metjhisse isib . <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td></td> <td>1</td> <td></td> </tr> </table> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td></td> <td>1</td> <td></td> </tr> </table>			1				1		Amafletjhi karada ahlukahlukeneko anesithombe esisodwa, neqatjhazi elliodwa Ifletjhi karada elinethwayo lenomboro negama lenomboro <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Isi-</td> <td>thombe</td> <td>sento 1</td> <td>1</td> <td>kunye</td> </tr> </table>	Isi-	thombe	sento 1	1	kunye	
		1														
		1														
Isi-	thombe	sento 1	1	kunye												

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijihere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadilhulako.	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
3.4 Isimethri	<p>Qinisekisa ilemuko lokobana umzimba womuntu unamahlangothi amabili i sib. “ihlangothi eiliodwa” godu “nelinye ihlangothi” okurholela ku “langesinceleni ne langesidleni”</p> <p>Okupathelene nokusikinyeka komzimba.</p> <p>Utitjhere uhlathulula amahlangothi amabili womzimba womuntu. Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Jame ngomlenze owdowa, babuye godu bajame ngomunye. - Sikiyneke ngegido lokha nabezwa ibetho lerhatjharhatjha uye ngehlangothini ellodwa lettasi. - Lokha ihatjharhatjha nayithulako, abafundi batjthinga ngakwelinye ihlangothi lettasi. <p>Ukusebenzisa izinto eziphattnekako ezibusontathu (3-D)</p> <p>Umfundi ngamunye unikelwa umgodla weembhontjisi. Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Beke imigodlana yeembhontjisi phasi eqadi kwabo. - Khambise umgodlana weembhontjisi uye ngakwelinye ihlangothi lomzimba wabo basebenzisa izinzwanzi zabo nezandla zabo njil - Beku umgodla weembhontjisi eflurini ngakelinye ihlangothi lemizimba yabo begodu bayisse bayise ngakellinye ihlangothi. - Qinisekisa umqondo lo ngokukuuhlanganisa nobukghwari bokubona ngokuvumela abafundi bona bazenzele iinthombe zamavyaviyani. <p>(Bhinca iphepha phakathi; thontisela amathosi ahlukahlukeneko wependre phezu komuda obhinciweko; libhinoe phakathi bese urhatjha ipende ngokuhlikhila isthombe; livule bese utjheje / ubukele iviyaviyani; sika emudenri omagega –iviyaviyani linamahlangothi amabili afanako)</p>	<p>linsetjenziswa eziphakanyisiweko.</p> <p>ilangga eli-1</p>	<p>Amarhatjharhatjha angenziwa ekhaya– isimumathi esinesivalo, sifakwa amatiana amancani.</p>
3.2 izinto ezibusontathu (3-D)	<p>Ukukhumbula , ukubona nokutjho ngamagama izinto ezibusontathu (3-D)</p> <p>Ukwethula nokuhola izinto ezigedekako</p> <ul style="list-style-type: none"> - Cocisanani ngobu “ndulungu / rondo” bezinto. Faka / Beka izinto ezimbawla ezirondo ngemodleni we “feli” Umgodlana ophethe izinto okufanele umfundu afunisele ngokuzwa / ngokuthinta bona ubambe ini” (Isikhwama setjila esinerege phezulu). Abafundi bakhupha into ngakiyo bese bahlathulule uburondo / ubundulungu bayo. - Abafundi batjengisa bona izinto ezhlukahlukeneko zigedeka njani emeheleni ngokuphakamisa itafula ngeentina ezimbili. 	<p>“ Umgodlana ophette izinto okufanele umfundu afunisele ngokuzwa / ngokuthinta bona ubambe ini” (Isikhwama setjila esinerege phezulu)</p> <p>Ngaphakathi kwestikhwama kune: Amasayizi ahlukahlukeneko weembhoho, amamabula, amasilinda, amabhlegana anganaitho wesiseo esimakhaaza, ubujamo beplastiki oburondo nofana liimvalo zamabhoodhelo zamapiastiki</p>	<p>ilangga eli-1</p>

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlulako.	linsetjenziswa eziphakanyisiweko.
3.1 Ubujambo, ukujayeza nokubukela	<p>Ubujamo bezinto ezimbili nofanā ngapherezulu lokha nawuzimadanisa hlobanisa</p> <p>nomfundī</p> <ul style="list-style-type: none"> - Ngaphambili / ngemuva <p>Okupatheliene nokusikinyeka komzimba.</p> <p>Utitjhore ukhetha abafundi ababili ngokusebenzia umiolozelo wokubala:</p> <ul style="list-style-type: none"> - Beka iintulo ezimbili ngaphambi kwtiasi. - Abafundi ababili laba batijengisa imiqondo ngaphambili nangemva lokha utitjhore nakabalayelako isib. . <ul style="list-style-type: none"> o USiphob ujame phambi kwestitulo o UKali ujame ngemva kwestitulo - Lokha naselle aphumelele, utitjhore uphakamissa iflejhi karada bese abafundi batjengisa umsikinyeko basebenzia iintulo zabo. <ul style="list-style-type: none"> - "Lokhu kungatjengiswa godu ngokusebenzia abafundi abathathu. o UAmosi ujame ngemva kwaka Sipho, kodwana uKali ujame phambi kuka Amosi. - Utitjhore unikela abafundi idayisi elikhulu elineenthombe ezhilukahlukeneneko ezijengisa "ngaphambi kwe na ngemva" zittolwe ngeqadi isib. Jama ngaphambi komuntu weenhluthu ezide; jama ngemva komuntu owembethe ibhruju; halani omunye emva komunye, njii. - Abafundi abadiale umdialo eenqhemeni zabo ngokuphosa idayisi begodu benze umsikinyeko ozotjengiswa lidayisi lelo naliwako. 	<p>Ukulinganisa ubude besikhathi</p> <p>ilangga eli-1</p>  

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijihere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	
linhloko	<p>Amanothi athadilhulako.</p> <p>3.2 Izinto ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Madanisa bona ngyiphi eentweni ezimbili onikelwe zona e: Kudiwanyana nencazana Ukuqinisekisa umqondo wokuthi kuikhudlwana kuncazana Okupathelene nokusikinyeka komzimba. <p>- Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukwenza imizimba yabo ibe mikhulu ngokulula imikhono yabo ibe ngehla keenhloko zabo. - Ukwenza imizimba yabo ibe mincani ngokugobana batjhinge phasi nangokutshopana. - Thola bona injayikulu kune gundwana na. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Ngasosoke isikhathi beka okungasenani izinto ezimbili bona zimadaniswe.</p> <ul style="list-style-type: none"> - Madanisa amasyayizi ahlukahlukenko wehlobo ellodwa lebbhlogo, iimbholo, iimbhorodo, iinkunupe, ifatula, iintulo njil begodu uhole bona ngiyiphi into e "kuluncanil, kudiwana/nencazana" nokuthi "ekulu khulu/encani khulu". - Yakha imakhiwo ngamabholgo wokwakha begodu abafundi barmandanise bona ngowakabani umakhiwo omkhulu khulu nokuthi ngowakabani omnanci khulu. <p>Sebenzisa amajamo notana iinthombe ezipheze ziphatheké ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Madanisa iinthombe ezitjengisa umqondo wokuthi kukhulu/kuncani nokuthi kukhudlwana / kuncazana. - Ukusebenzisa umqondo we "kukhulu/kuncani" ngesikhathi sobukghwari bokutlama. 	<p>Ukulingesanisa ubude besikhathi</p> <p>ilangga eli-1</p> <p>Isithombe sekhondlwana nerja (qinisekisa bona isithombe senja sikhudlwana kunesithombe sekhondlwana)</p> <p>Izinto ngettasini okufana namabholgo, iimbholo, amabhorodo, iinkunupe, imincamo, iingojwana, amaphexsi, amabhoksi womlio, amabhlegana, amapropo, iinqephe, ilmvao zamabhdihelo, njil.</p> <p>linthombe ezitjengisa kukhulu / kuncani</p>

Iveke 5 Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Ukulunganisa ubude besikhathi
linhloko 3.2 Izinto ezibusontathu (3-D)	<p>Amanothi athadhlulako.</p> <p>linsetjenziswa eziphakanyisiweko.</p>  <p>linsetjenziswa eziphakanyisiweko.</p> <p>lindulungu ezikulu nezincani ezigwalwe esandenii / effrunii / ehlabathini</p> <p>ilangga eli-1</p> <ul style="list-style-type: none"> • Madanisa bona rgyiphi yeziinto ezimbili onikelwe zona ezi: <ul style="list-style-type: none"> - Kulu nencani - Kudlwana nencazana - Kulu khulu nencani khulu <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Utitjhere ugwala indulungu encani esandenii, ehlabathini / effrunii.</p> <ul style="list-style-type: none"> - Abafundi bakhamba magega nendulungu encani. <p>Utitjhere ugwala indulungu ekudlwana ngaphandle kwencani</p> <ul style="list-style-type: none"> - Abafundi bakhamba magega nendulungu ekudlwana. <p>- Utitjhere uyababuza athi:</p> <ul style="list-style-type: none"> o Ngiyiphi indulungu encani khulu?" o "Ngiyiphi indulungu ekulu khulu?" o "Khambari phezulu kwendulungu encani" o "Khambari phezulu kwendulungu ekulu". <p>Utitjhere ugwala indulungu ekulu khulu kumaleyeyo agcine ngayoye ngaphandle kwaleya ekulu.</p> <ul style="list-style-type: none"> - Abafundi bakhamba magega nendulungu ekulu khulu leyo godu. <p>- Utitjhere ubuza imibuzo efana nokuthi:</p> <ul style="list-style-type: none"> o "Ngiziphi iindulungu ezikulu khulu?" o "Ngiziphi iindulungu ezincani khulu?".

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhore (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)		
linhloko	Amanothi athadhlulako.	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
3.2 Izinto ezibusontathu (3-D)	<p>Ukusebenzisa Izinto eziphathnekako ezibusontathu (3-D)</p> <p>Abafundi bahlela ngemihlobo begodu bamadanise izinto ezihlukahlukeneko ukuya ngesayizi.(okukhudlwana , okuncazana) isib.</p> <ul style="list-style-type: none"> - linkunupe ezikulu kwezincani - lingobho ezikulu kwezincani - Amabhhoksi amakhulu kwamancani <p>Umsebenzana lo ungandliselwa ekudaleni ngaphandle (ukudala ngesanda nokudala ngamanzi) lapho abafundi bang a madanisa izinto begodu bakhulumе ngokuthi njyiphi encazana/kudlwana, kulu khulu nencani khulu.</p> <p>Lokhu kungahlanganisa nobukghwari bokubonwako – yenza isithombe ngokuseberizisa iincucwana nezinye iinthombe usebenzisie okuthi into ekulu/encani.</p> <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Badlale imidlalo yamakarada begodu bathole okuncani/okukhulu/okukhulu khulu eenthombeni. - Buza imibuzo efana nokuthi: "ngiyiphi ifesi esekuthomeninofana ngyiphi ifesi esekugcineni?" "Ngyiphi ifesi ephakathi?" 		ilangga eli-1 Amabhhogo wokwakha neembhoho zamasyizi ahlukahlukeneko

IVEKE 6	Isikhathi Sokufundisa esitjhukunysiweko Umsebenzi wetlasi owođwa ohleliweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke		
linhloko			
1.1	Linganisa begodu ubale izinto zangamalanga ngokuthembeka. Ukubala kwangamalanga <ul style="list-style-type: none"> - Zehloko:Ukubala okungakakahaleki /Ukubala kwegido kusuka ku- 1- 5 - Cula iingoma nemilolozelao yeenomboro 	Amanothi athadilulako linsetjenziswa eziphakanyisiweyo    	Ukulinganisa ubude besikhathi Ngamalanga lingoma nemilolozelao yeenomboro ilangga eli-1
2.1	Amaphetheni wejiyomethri <ul style="list-style-type: none"> • Kopa iphetheni Okuphathieleke nokusikinyeka komzimba: <ul style="list-style-type: none"> - Utijhere utjengisa igido ;lamalpetheni elenziwa ngamalungu wezitho zomzimba begodu abafundi baranele bakope amaphetheni enziwa ngutijhere isib. Wahla,wahla,gida;wahla,wahla,gida;...wahla,masinya,masinya,wahla njii..... Ukusebenzisa izinto eziphathenkako ezbisontathu (3-D) <p>Kopa amaphetheni aneznto isib...:</p> <ul style="list-style-type: none"> - Sebenzisa imihlobohlobo yamakari - Sebenzisa ubujamo isib.iindulungu, indulungu, uncantathu,indulungu,..... - Sebenzisa izinto isib. Iphegi ebou, iphegi ehlaza njengesibahakabhabka, iphege esarulana, iphege ebou 	Abafundi    	Nikela abafundi amakarada weenthombe Amakarada wemibala UTitjhere angaqunta ubujamo eempontijni Sebenzisa amajamo nofana liinthombe ezipheze ziphatheké ezbisobubili (2-D) <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Tiame amaphetheni okungewabo ngamakarida weenthombe isib. ithuthumbo,ikari,ikari,ithuthumbo,.... - Tiame amaphetheni okungewabo anemibala isib. Bovu,hlaza sasibhakabhabka, bovu, hlazsasibhakabhabka,bovu..... - Ngesikhathi sobukhwari bokutlama abafundi basebenzisa liimポンじ ezinobujamo obusikiwe ukugandangisa amaphetheni.....

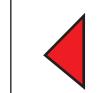
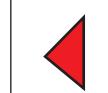
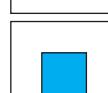
IVEKE 6	Isikhathi Sokufundisa esitjhukunysiweko Umsebenzi wetlasi owoawa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke		
linhloko		Amanothi athadilhulako	Ukulinganisa ubude besikhathi
3.3 Ubujamo obubusobibili (2-D)	<p>Khumbula, ubone begodu utijo isikwere ngegama</p> <p>Yethula isikwere</p> <p>Lokha nawuthula isikwere kokuthoma izinto ozisebenzisako kufanele zifane poro ngayo yoke into(zilingane ngobukhulu,zifane ngombala,zifane nangendielia ubunjalo bentu buzwakala ngayo esandileni nawuyithintako)lsikwere senziwa ngahlangothi amane alinganako.Lokhu kubizwa ngokuthi sikkwere .</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Itiasi iloke lenza isikwere. - Abafundi abakhambé phezu kvesikwere esenziwe ngerobho ekhaphehetheni batjho ukuthi” Ngikhamba magega nesikwere-ihlangothi linye, amahlangothi ambili, amhlangothi amathathu, amahlangothi amane wole amahlangothi ayafana ?” - Abafundi benza linkwre ezincani ngengheema. <p>Sebenzisa izinto eziphathekako ezibusontathu 3-D</p> <ul style="list-style-type: none"> - Utijhere utijengisa umahluko phakathi kwendulungu, begodu nesikwre ngokuphakamisela phezulu isivalo sekotikoti nethayeli esikwre. - Isivalo sizwakala siyindulungu begodu ithayeli inangemacadi namakhona / amahugu. <p>Sebenzisa amajamonofana iinthombe ezipeze ziphathetekoezibusobibili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ugwalla azungeleze isivalo begodu azungeleze ithayeli - Isivalo sijamela indulungu begodu ithayeli lijamela isikwre. - Abafundi abavunyelwe ukuthi bagadangise bazungeleze isivalo nethayeli ngamakhrayoni. <p>Hela ngeengaba izinto ezibusontathu 3-D nalezo ezinobujamo obubbosobabili 2-D notana iinthombe</p> <p>Vumela abafundi ngenqheema.</p> <p>Hluakanisa abafundi ngenqheema.</p> <ul style="list-style-type: none"> - Hela izinto ezihlukahlukeneko ezibusontathu 3-D nezinto ezibusobibili 2-D ezinkikelwe ngutijhere ngokuya ngobukhulu nangombala. - Qinisikisa ubujamo ngokudlala imidalo nemidalo yamakarada ngesikhathi esitjhaphulukileko sokudlala gettasini. 	<p>linsetjenziswa eziphakanyisiweyo</p> <p>ilanga eli-1</p> <p>Abafundi Irobho</p> <p>Isivalo sekitotikoti Ithayela lesikwre Imvalo ezihlukahlukeneko ezizindulungu nezinto ezizinkwre Iphepha eligadangisisiweko lendaba Amakhrayoni</p> <p>Amakarada anobujamo Izinto ezbisontathu 3-D njengamabhiogo, ,amabhiogo wama lego Ubjamo obubusobibili 2-D njengemidlalo engagandelela ubujamo njenga”kunani ngesikwereni ?</p>	

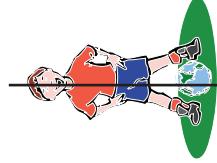
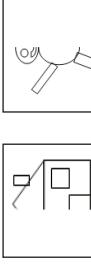
IVEKE 6 Isikhathi Sokufundisa esitjhukunysiweko Umsebenzi wetlasi owoawa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke	linhloko 3.2 Izinto ezibusontathu (3-D)	Amanothi athadilulako Khumbula, ubone begodu utijo namagama wezinto ezibosobathathu 3-D ezitjhelelako <ul style="list-style-type: none"> Nikela abafundi izinto ezihukahlukeneko ezibusontathu 3-D nezinobujamo obubusobubili 2-D niengama bhlogo, amabhoksi, limbholo, njil. Vumela abafundi bona bazifumanele ngokudlala ukuthi ngiziphi izinto ezingatjhelela begodu ngiziphi izinto ezingagedeka. Abafundu bangasebenzisa ukutjhelela okukhona ebeleni lokudlalanofana utijhere angasabenzisa itafula ukwenza umenyeukonofana umehlela ngokubeka amabhigo amabili ngaphasana kwaloo. Ikhona enye yezinto engatjhelela iye phezulu? Ngiziphi izinto ezitjhelela ziye phasi? Khuyini okwenza ukuthi izinto lezi zitjhele? 	Ukulinganisa ubude besikhathi liangga eli-1
3.1 Ubujambo, ukujayenza nokubukela	Hlathulula into eyodwa ebusobuthathu 3-D ngokuyihlobanisa enye kwenye Okuphathelele nokusikinyeka komzimba <ul style="list-style-type: none"> Umfundu ngamunye uhlala phezu kwestitulo sakh. Abafundi balalela iinlayelo zakatjhere begodu balandele lokha benza imisikinyeko isib. hlala phezu kwestitulo sakh, lala ngaphasi kwestitulo sakho. Jama phezu kwestitulo sakh. Hlala ngaphasi kwetafula. Beka izandla zakho phezu kwehloko. Beka izandla zakho ngaphasi kwemilene yakho. Beka umgodiana weembhonjisi ngaphasi kwamakhwapha wakho. Hlala phezu kongoddana wamabhonjisi. Bamba iwupsi ngaphasi kwamadololo. Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D) <ul style="list-style-type: none"> Vumela abafundi ababili ukuthi babambe ingqathu/ igqupsi abafundi abanengi bakhokhoba ngaphasi kwengqathu / gqupsi . Funa into ngaphasi kwekhaphethe/kwetafula/kwebhoksi njil.. Sebenzisa amajamonofana iinthombe ezipheze ziphathek ezibusobubili (2-D) <ul style="list-style-type: none"> Utitjhere unikela abafundi iinthombe ezihukahlukeneko lokha umqondo wa phezu kwa, ngaphasi kwe, ngaphezulu zitjengiswa isib. umuntu ohlez phezu kwepera, umtwan ulele ngaphasi kwengubo njil. 	linsetjenzisa eziphakanyisiweyo   Isitulo somunye nomunye umfundu  Ngaphaezu kwetafula Ngaphasi/ngaphasi kwe 	Vumela abafundi: <ul style="list-style-type: none"> Ukubona umqondo waphezu, ngaphasi, nangaphezulu kwe- eenthombeni.

IVEKE 6	Isikhathi Sokufundisa esitjhukunysiweko Umsebenzi wetlasi owdowa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke		
linhloko	Amanothi athadhlulako	Ukulinganisa ubude besikhathi	linsetjenziswa eziphakanyisiweyo
4.1 Isikhathi	<p>Hlathulula isikhathi selanga ngokuya ngokuthi imini/nobusuku ukukhanya/ nobumnyama.</p> <ul style="list-style-type: none"> • Yethula yomibili imiqondo ethi "imini /ubusuku" begodu "ukukhanya / ubumnyama" <p>Hianganisa imiqondo le neLwazi lokuThoma leenhloko zamakgono wePlio.</p> <p>Okuphathelene nokunyakaziswa komzimba</p> <ul style="list-style-type: none"> - Balemu ka ubumnyama ngokuhala ngaphasi kwetafula nangaphasi kweentulo ezimbewse ngengubo. - Yenza kubenzima ngetasini ngukuvala amarharideyini nangokucima ikesi. - Abafundi bakhulumu ngelemuko labo lokha etlasini labo bekunzima nalokana bekukhanya. - Banikelwa itotjhi yokobana bakhanyise ngaphasi kwengubo. - Khulumu ngemisetjenzana eyenzeke ngesikhathi semini nangesikhathi sebusuku <p>Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ulungisa iphostara yelanga nenyeli begodu anikele abafundi liinthombe ezikhomba bonyana kwenzekani ngesikhathi semini nasebusuku. - Abafundi kufanele babeke liinthombe zabo ngaphasi kwelanga nofana ngaphasi kwenyezi. 	 <p>lintulo neengubo itotjhi</p>  <p>iphostara yemini nobusuku linthombe zemisetjenzana yesikhathi semini nesikhathi sebusuku.</p> 	<p>liangga eli-1</p>

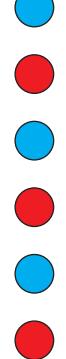
IVEKE 7	Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owdowa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke		
linhloko	Amanothi attadlhulako	Ukulinganisa ubude besikhathi	ilanga eli-1
3.3 Ubujamo obubusobibili (2-D)	<p>Khumbula, bona begodu utijo amagama wezinto ezibusontathu 3-D nezobujamo obubusobibili 2-D ngetlasini</p> <ul style="list-style-type: none"> Yethula amaphazeli begodu unikele izeluleko zokuthi bayowakha njani <ul style="list-style-type: none"> - Kukhulunyiswana ngesithombe sephazeli kuqalisse emintningwaneri efana nokuthi umbala, abantu/iinlwana, izinto, ubujamo babantu/beenlwana nezinto. - Ukubona, ukhumbule begodu umetjihise umehluko wenquntwana zamaphazeli isib. <p>Yakhwiwa bunjani iphazeli:</p> <ul style="list-style-type: none"> ○ Paka zoke inquintwana zamaphazeli zigale phezulu . ○ Ukubona iirquintwana zamakhona begodu uzimetjihise nemibala, izinto njll..phezu kwazo madanisa amakhona wamaphazeli. ○ Tlama amakhona amane usebenzise zoke inquintwana nales esinehlangothi elinqophileko. ○ Nangabe abafundi bathola ubudisi, bangatma amaphazili phezu kwenthombe abanikelwe zona. ○ Woke amaphazili kufanelle aqedwe phambi kokuthi abekwe. 	<p>Amaphazili ahlukahlukeneko- okungasenani aneenquntu ezisi- 6</p> <p>linsetjenziswa eziphakanyisiweyo</p>	

IVEKE 7	Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owdowa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke	Amanothi attadlhulako	Ukulinganisa ubude besikhathi
linhloko	linsetjenziswa eziphakanyisiweyo		
3.1 Ubujamo, ukujayeza nokubukela	<p>Hlathulula into eyodwa ebus obuthathu 3-D ngokuyihlobanisa nomfundi</p> <ul style="list-style-type: none"> Indawo/ ubjamo bezinto ezimbilinofana ngaphezulu nawuzihlobanisa nomfundi - Ngaphakathi / ngaphandle <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Utitjhore usebenzisa itheypihu enamathelakonofana igqupsi ukwenza imida emibili eflurwini . Boke abafundi bajama ehangothini linye, utithere uyabiza, “ngemlanjeni (Boke abafundi bafanele beqelee hlangana nemida emibili, bese uyarhuwelela ‘ngaphandle komlambo’.Boke abafundi bafanele beqelee ngaphandle ngale kwemida emibili. Abafundi abangalandeli kuhle iiinlayelo ngendlela efaneleko bayaphuma emdlalweni bangabe basadala. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Bajame amagadango ambalwa / kudanyana namathunga Abaphosele imigodiana yembhontiisi ngaphakathi kwethungwa <p>Sebenzisa amajamonofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Abafundi bagwala iinthombe ezitjengisa umqondo waka-ngaphakathinofana ngaphandle. 	<p>Umdlalo: ngemlanjeni (hlangana nemida emibili), ngaphandle komlambo (ngaphandle kwemida emibili)</p> <p>Ithunga eli-1</p>	

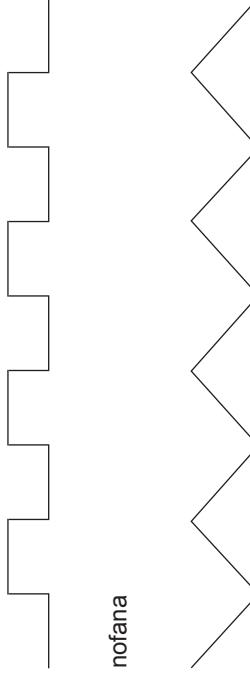
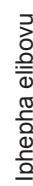
IVEKE 7	Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owdowa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke		
linhloko	3.1 Ubujamoo, ukujayenza nokubukela	Amanothi attadlhulako • Hlathulula into eyodwa ebusobuthathu 3-D ngokuyihlobanisa nomfundi: Phezulu/ phasi kwa/ngaphasi kwe Indawo/ ubujamo bezinto ezimbilinofana ngaphezulu nawuzihlobanisa nomfundi Okupathethelene nokusikinyeka komzimba Vumela abafundi bona balandele iinlayelo ezinjengalezi: <ul style="list-style-type: none"> - Beka ibhlogo elibovu phezu kwehloko yomngani wakho. - Beka ibhlogo elisarulana ngaphasi –kwa/ngaphasi-kwe/ tafula yakho - Beka ibhlogo phezu kwehloko yakho begodu ukhwielele phezu kwetatula yakho - Khasa ngaphasi kwetafula uvale amehlo wakho. Ukusebenzisa izinto eziphathenkako ezzibusontathu (3-D) Vumela abafundi: <ul style="list-style-type: none"> - Bapake aboncantathu enye phezu kwenye. - Bapake iinkwera ezihlaza sasibhakkabha esinye phezu kwasinye. - Babeke iindungulu ezibovu ngaphasi kweenkwere ezsarulana. - Beke iindulungu ezisarulana begodu naboncantathu ababovu phasi/ nangaphasi kwenkwere ezihlaza sasibhakkabha. Sebenzisa amajamo nofana iinthombe ezipheze ziphathatheke ezzibusobubili (2-D) <ul style="list-style-type: none"> - Utijhere ulungisa amakarada aineenthombe phezu kwavo begodu namakarada anobujamo obuthize phezu kwavo. - Abafundi bafanele babeke ubujamo bezinto phezu-kwe/phasi-kwe/ngaphasi-kwesithombe njengokubawa kwakatijhere. - Isib.beka isikwera esihlaza sasibhakkabha ngaphezu komantji weenthelo. 	Ukulinganisa ubude besikhathii linsetjenziswa eziphakanyisiweyo       

IVEKE 7	<p>Iskhathi Sokufundisa esitjhukunysiweko Umsebenzi wetlasi owdwa ohleiweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke</p>		
linhloko	<p>Amanothi attadlhulako</p> <p>Okupathelene nokusikinyeka komzimba</p>	<p>linsetjenziswa eziphakanyisiweyo</p> <p>Ukulinganisa ubude besikhathi</p>	<p>lianga li-1</p>
3.4 Isimethri	<ul style="list-style-type: none"> Qinisekisa ilemuka lomuda wesimethri wokubanda phakathi kuwe (emzimbeni wakh) <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Batjho izitho zomzimba wabo Vumanofana ngiyiphi ingoma yomsikinyeko ephathelene nomzimba. <p>Uttijhere utjengisa abafundi umqondo wesimethri ngokuhaga irobho phambi komfund.</p> <ul style="list-style-type: none"> Abafundi bafanele bacabange ukuthi imizimba yabo ihlukaniswe kabil.  <p>irobho yinye yokutjengisa Imizimba yabafundi</p> <p>Uttijhere uhlathululela abafundi bona umzimba uhlukaniswe bunjani amhlangothi amabili abizwa ngokuthi mumuda wangaphakathi komuntu.</p> <ul style="list-style-type: none"> Zoke izinto ezingazimbili emzimbeni womuntu zitholakala emahlangothini womabili womzimba womuntu isib.amehlo,indlebe,imikhono,imilenze njil. Yoke into umuntu anayo ngayinye ibekeke emuden ophakathi wangaphakathi isib. ipumulo, umlomo,ikaba. <p>Ukwenzela ilawulo lomuda ophakathi wangaphakathi, ufanele uvumele abafundi uku:</p> <ul style="list-style-type: none"> Matjha, baphakamise amadolo phezulu. Matjha "njengamasotja arghangħabeleko wamatħiegħana". Vundisa imikhono,yundisa imilenze lokha nabamatjħako. <p>linthombe ezingakaphelici</p> <p>Sebenzisa amajjamo notana linthombe ezipheze ziphatteke ezbusobubili (2-D)</p> <ul style="list-style-type: none"> Gwala linthombe ezingakaphelici ephetjħaneni begodu ubawe abafundi bonyana baqedelele linthombe. 	 	

IVEKE 7	Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owođwa ohleliweyo okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalo ngeveke	Ukulinganisa ubude besikhathi
linhloko	Amanothi attadilulako	linsetjenziswa eziphakanyisiweyo
3.1 Ubujamo, ukujayenza nokubukela	<ul style="list-style-type: none"> Indawo/ ubjamo bezinto ezimbilinofana ngapezulu nawuzihlobanisa nomfundi <ul style="list-style-type: none"> Phezulu naphasi <p>Okupathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Batjengise "phezulu" na "phasi" ngoku sikinya imizimba yabo iye phezulu naphasi ngokulayeliwa ngutijhere. Khwela iintebhe uye phezulu amgaddango amabili lokha ubala iinomboro zeentebhisi. Yehla iintebhisi uye phasi lokha ubalako. Khweleta uye "phezulu" "naphasi" eentveni ezingaphandle. Khweleta uye "phasi" "naphezulu" erobheni yelere nangabe isikolo sinayo. Qala phezulu naphasi. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobibili (2-D)</p> <ul style="list-style-type: none"> Utitjhere unikela abafundi iinthombe ezhilukahlukeneko lapho umqondo waphezulu naphasi utjengiswa khona. Isib. Umuntu ukhwelela intaba ,ibhaloni yomoya iya phezulu emoyeni ibuye godu ize phasi, omunye owebla eentebhisini aye phasi njil. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Ukubona imiqondoya "phezulu" na "phasi" eentthombeni. 	<p>Vuma ingoma , "Iqhegu le"</p> <p>Sebenzisa iintepisi zasesikolweni wenze ijiangel jimu (izinto zokukhwelea)</p> <p>Irobho, ukukhwelela ilere</p> <p>iinthombe ezitjengisza phezulu naphasi isib.</p> <p>iintepisi</p> 

Iveke 8 linhloko 3.4 Isimethri	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owođwa ohleliwewo okhokheliwa ngutjihere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	Amanothi athadhlulako Vumela abafundi: - Basonge umzimba begodu beqe negidlo lokha nababalako. - Bajame bacalane, begodu bawahle ngokuphambanisa izandia (isandla sakho sesincele sibethe isandla somngani wakho sesincele, nesandla somngani wakho sokudla sibetha sakho sokudla) lokha nivuma ingoma/ umlolozelo weenomboro enegido. Ukusebenzia izinto eziphathekako ezibusontathu (3-D) Vumela abafundi ba: - Phosele umngani wakhe ibholo lokha nababalako. - Khambe phezu kwerobhoo egobeneko lokha bavuma ingoma isib. "Indlovu eyodwa encani iyadzimelela" - Ranhelane ibholo omunye komunye. Umsetjenzana ongaphezelu ungahlanganiswa namaKgono wePilo.	Ukilinganisa ubude besikhathi llanga li-1 Abafundii lingoma zeenomboro nemidunduzelo  Ibholo,irobho
2.1 Amaphetheni weJiyomethri	• UkuTlama amaphetheni wakho Okuphathelene nokusikinyeka komzimba Vumel a abafundi batlame iphetheni basebenzise: - Imizimba yabo isib.umtazana munye powembethi irogo, abasana ababili abambethe amabhru.	Ukusebenzia izinto eziphathekako ezibusontathu (3-D) Sebenzia izinto ezinobujamo obuhulukeneko ezibovu nezhilaza sasibhakabbaka isib. linkwere ezimbili ezhilaza sasibhakabbaka, aboncantathu ababili ababovu, iinkwre ezimbili ezhilaza sasibhakabbaka. - Sebenzia iphetheni ngesikhathi somsetjenzana wobukghwari ngoku sebenzia ipende ebouv uzhilaza sasibhakabbaka ngemvadlwana zamabhdolelo.	 Amajamo abovu nahlaza sasibhakabbaka weplastiki  UkuSebenzia iimvalo zamabhdolelo neepende ehlaza sasibhakabbaka nebonvu  bovu hlaza bovu hlaza bovu hlaza
	usebenzise imibala yesibili Vumela abafundi - Ukusebenzia abothubhakguru babo ukugadangisa magega nemida yangemacadi ngeempende:isib. ipende ehlaza satjani, ipende esalamune, ipende ehlaza satjani magega nengaphezulu lamaphepha wabo (umsebenzi ungenziwa ngesikhathi sobuKghwari bokuBonakalako)	Sebenzia amajamonofana iinthombe ezipheze ziphathetke ezibusobubili (2-D) Iphepha le A4 Ipende ehlaza satjani begodu nesalamunenofana omunye nomunye umbala onawo.	

lveke 8	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owođwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	Amanothi athadhlulako	lisetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
linhloko	3.2 Izinto ezibusontathu (3-D) <ul style="list-style-type: none"> Qinisekisa izinto ezigedekako Ukusebenzisa izinto eziphathetekako ezibusontathu (3-D) <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuđala ngamabhdoleo wamoplastiki, amakotikoti, imbholo, ilamune njil. begodu bahole nekhonakalo yokuthi zingagedeka. <p>Utitjhere ubuza imibuzo:</p> <ul style="list-style-type: none"> - Ngimaphi amabhlogo ewugwaneni yamabhlogo akgbona ukugedeka? - Amabhlogo angakwazi ukugedeka ngombana anamahlangothi anqophileko kuphela . - Geda izinto ezihlukeneko begodu uqale bona ngyiphi egedekako begodu ngyiphi engakghoni ukgedeka. - Abafundi kufanele babone bonyana izinto ezirondo ziagdedeka. 	<p>Amanothi athadhlulako</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuđala ngamabhdoleo wamoplastiki, amakotikoti, imbholo, ilamune njil. begodu bahole nekhonakalo yokuthi zingagedeka. <p>Utitjhere ubuza imibuzo:</p> <ul style="list-style-type: none"> - Ngimaphi amabhlogo ewugwaneni yamabhlogo akgbona ukugedeka? - Amabhlogo angakwazi ukugedeka ngombana anamahlangothi anqophileko kuphela . - Geda izinto ezihlukeneko begodu uqale bona ngyiphi egedekako begodu ngyiphi engakghoni ukgedeka. - Abafundi kufanele babone bonyana izinto ezirondo ziagdedeka. 	<p>lilanga li-1</p> <p>Amabhlogo, amabhlogo we Lega Amakotikoti, amakotitji wamoplastiki, amarolo wamaphephawa ngendlwani, inkresi, ilamune, imbho lo njil.</p>	
3.1 Ubujamo, ukujayeza nokubukela	<ul style="list-style-type: none"> Thuthukisa umqondo wekomba tħjuba ngokuthula imiqondo elandelako “ngaphambili/gemuva begodu phambili/emuva” Okuphatħelene nokusikinyekxa komzimba <p>Vumela abafundi:</p> <p>Ukulandela iilayelo zikatijher (umfundni ubayedwananofana niengelunga lesiqħema) begodu bakhambie nofana bazibeke endaweni ethize ngetasini isib.</p> <ul style="list-style-type: none"> - Jama “ngaphambi” kwetħasi. (thatha iħingaphambili tetħasi bonyana kulapho umnyango ungakhona) - Jama “ngemuva” etħlasini . - Kħamba uye phambili nasemuva. - Kħasa uye phambili nasemuva. - Yeqa uye phambili nasemuva. 	<p>lilanga li-1</p> <p>Abafundii</p>		

Iveke 8	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owoawa ohleliweyo okhokhelwa ngutjihere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)	Amanothi athadhlulako	Insetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
linhoko 3.1 Ubujamo, ukujayeza nokubukela	Utitjhere ugwala iphetheni efurwini ngetjhogonofana ehlabathini isib. nofana		 Iphepha elibovu	Ugwala ehlabathini Iphepha elibovu

Vumela abafundi uku:

- Khamba begodu/ nofana ukukhassa emideni yamaphetheni.
 - Beka isiquantu sephepha elibovu emawugwaneni ukujamiselela amarobodo.
- Lokha abafundi nebafika emawugwini kufanele bajike ngemizimba yabo yoke ukuze bathole imiqondo yekhombatjhuba.

Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)

Vumela abafundi:

- Ukwenza indlela ngamabhlogo wokwakha.
- Ukusunduza imoderana yokudlala iye phambili nasemuva ‘endieleeni’ yamabhlogo wokwakha.
- Ukusunduza imoderana yokudlala ngokujikela ehlangothini linye nangokujikela kwelinye ihlangothi “endieleeni” yamabhlogo.

Iveke 8	Isikhathi Sokufundisa esitjhukunyisweko: Umsehbenzi wetlasi owođwa ohleliwero okhokhelwa ngutjihere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)			
linhloko		Amanothi athadhlulako	Ukulinganisa ubude besikhathi	
5.1	Ukubuthelela nokuhlela izinto ngemihlobo	<ul style="list-style-type: none"> Yethula umqondo wokuphathwa kwe Datha ngoku (sebenzisa imizimba yabo) ukubuthelela izinto ngetasininofana ngembodolokweni ngokuya ngobujamo/ ngamatshwayo abekiweko isibone o: <p>Okuphathelene nokusikinyeka komzimba:</p> <p>Hlukanisa abafundi ngeenqhema</p> <ul style="list-style-type: none"> Esiqhemeni ngasinye, abesana abajame ngereyi nabantazana bajame ngereyi eqadi kwereyi labesana Vumela abafundi bonyana babale inani labesana nenani labantazana ukuthi bangaki esiqhomeni ngasinye Ngalokhu ungaazalisa “igrafu yemizimba” yabesana begodu neyabantazana esiqhemeni ngasinye. <p>Gwala igrafu ukutjengisa idatha</p> <p>Ukusebenzisa izinto eziphathetkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Abafundi bangasebenzisa ilwazi elingebla ukuthuthukisa umqondo wegrifu yezinto ezibusontathu 3-D ngokusebenzisa amabhlogo/ ubujamo njii ukujamela umfunduni ngamunye. <p>5.2</p> <p>Ukujamisele ibuthelelo lezinto elihlelekileko</p>	<p>5.2</p> <p>Ukufunda begodu nokujamisela igrafu</p> <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetke ezibusobibili (2-D)</p> <ul style="list-style-type: none"> Abafundi benzai grafu ngokusebenzisa ihlama yokudlala ukwenza imbhodlwana ezincani ukujamisela ihathululo yabo ngomsetjenzana abawenzileko. Nikela abafundi amaphepha anesithombe somntazana nesomsana zibekwa phezu kwephepha lomunye nomunye umfundu. Vumela abafundi ukugeda liimbholo ukujamiseleta inani/ inomboro yabentazana nabesana enqheemeni zabo. <p>5.3</p> <p>Coca bewubike ngokuhlela kwezinto ezibuthelwelweko</p>	<p>5.3</p> <p>Ukufunda begodu nokujamisela igrafu</p> <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetke ezibusobibili (2-D)</p> <ul style="list-style-type: none"> Abafundi benzai grafu ngokusebenzisa ihlama yokudlala ukwenza imbhodlwana ezincani ukujamisela ihathululo yabo ngomsetjenzana abawenzileko. Nikela abafundi amaphepha anesithombe somntazana nesomsana zibekwa phezu kwephepha lomunye nomunye umfundu. Vumela abafundi ukugeda liimbholo ukujamiseleta inani/ inomboro yabentazana nabesana enqheemeni zabo.

Week 9	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owoawa oheliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)	Amanothi athadhlulako	Insetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.2 Izinto ezibusontathu (3-D)	<ul style="list-style-type: none"> Ukuholia izinto ezitjhelelako nezigedekako Utitjhere ubamba ibholo ayibhampise eflurini. Uligeda eflurini. Utitjhere godu uthatha ibhoksi enze njengombana bekasenza lokha enza ngebholo. <p>Utitjhere ubuza abafundi:</p> <ul style="list-style-type: none"> - Ngiziphi izinto ezigedekako? - Kubayini ibhoksi lingagedek? - Ngiziphi izinto ezitjhelelako? <p>Utitjhere utjengisa abafundi ukuthi ibhoksi linamahlangothi amane(amawugu) ngalokho-ke alikwazi ukugedeka begodu ibholo alinawo amawugu begodu liyakwazi ukugedeka.</p> <ul style="list-style-type: none"> - Khuithaza abafundi bona bathole izinto ngetlasini ezikwaziko ukugedeka begodu ezitjhelelako. - Buza abafundi bona bangathola (i(z))nto ezingagedeka begodu ztjhelele. 	 	Ibholo	ilanga li-1

Week 9	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owoawa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)	Amanothi athadhlulako	Insetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
linhoko	<p>3.3 Ubujamoo obubusobubili (2-D)</p> <ul style="list-style-type: none"> - lindulungu • Qinisa indulungu <p>Okupathelene nokunyakazisa umzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuthi basebenzise imimwana yabo ukwenza iindulungu - Ukuthi basebenzise izandla zombili ukwenza iindulungu - Ukuhlala phezu kwemada , benze indulungu lokha babambene ngezandia. - Bakhamba phezu kwendulungu ekulu,eyenziwe ngentambo, phezu komada. - Badlala umdialo lokha abafundi bahlezi benza indulungu begodu bavume nengoma. <ul style="list-style-type: none"> ○ Munye wabafundi ujama ngaphandle kwendulungu, agijime begodu ayizungeleze lokha abambe ibholo esandleni sakhe. ○ Umfundsi uyazikhethela ukubeka ibholo ngemuva komunye umfundi kilaba abahlezi benza indulungu ○ Umfundsi okhethiweko kufanele adobhe ibholo engemuva kwakhe azame ukuphosa umfundsi loya ngebholo, lokha nakagijima azombeleza indulungu yabafundi agijimela ukuyokuhala endaweni enganamuntu. ○ Nangabe ibholo ithinta umfundsi obalekako, umfundsi loyo kufanele ahiale ngaphakathi kwendulungu, umdialo wona urageia phambilu. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Thola amajamo ajamele indulungu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathelke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere utijo amagama wezinto lokha abafundi batjho/bakhomba bona ngiziphi izinto ezirondo/ndulunga isib. ilamune, ihabhula, itafula, ibholo, imabula, incwadi, ibhoksi, umabula, incwadi, ibhoksi, njil. 	<p>Ukuhlala phezu kwemada , benze indulungu lokha babambene ngezandia.</p> <p>Badlala umdialo lokha abafundi bahlezi benza indulungu begodu bavume nengoma.</p> <p>Munye wabafundi ujama ngaphandle kwendulungu, agijime begodu ayizungeleze lokha abambe ibholo esandleni sakhe.</p> <p>Umfundi uyazikhethela ukubeka ibholo ngemuva komunye umfundi kilaba abahlezi benza indulungu</p> <p>Umfundi okhethiweko kufanele adobhe ibholo engemuva kwakhe azame ukuphosa umfundsi loya ngebholo, lokha nakagijima azombeleza indulungu yabafundi agijimela ukuyokuhala endaweni enganamuntu.</p> <p>Nangabe ibholo ithinta umfundsi obalekako, umfundsi loyo kufanele ahiale ngaphakathi kwendulungu, umdialo wona urageia phambilu.</p>	<p>Intambo</p> <p>Abafundi</p>	llanga li-1

Week 9	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owođwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	Amanothi athadhlulako	Umsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
linhloko 3.1 Ubujamo, ukujayeza nokubukela	<p>Ubujamo bento ynye nötana zimbili lokha uzihlobanisa enye kwenye</p> <ul style="list-style-type: none"> • Imiqondo ethi eduze/hlangana okufaka hlangana nombala <p>Okupathelene nokusikinyeka komzimba</p> <p>Utitjhere ubiza abafundi abathathu</p> <p>Ukhombisa/ utjengisa imiqondo yeduze- kwe, begodu no hlangana –ne ngokuhlela abafundi ngezindlela ezihiukahlukeneko lokha kuthiwa:</p> <ul style="list-style-type: none"> - UKholiwei ujame eduze kuka Stefani - UMieli ujame hlangana noKholiwe noStefani <p>Umsetjenzana lo ungabuyelelwu nabanye abafundi.</p> <p>Utitjhere unikela abafundi amabhlogo wokwakha wemibalabala ehlukahlukeneko begodu abanikele inlayelo ezifana nalezi:</p> <ul style="list-style-type: none"> - Beka ibhlogo elibovu eduze nebhlogo elisarulana - Beka ibhlogo ehlaza sasibhakkabha hlangana nebhlogo elibovu nelisarulana. <p>Ukusebenzia izinto eziphathekako ezibusontathu (3-D)</p> <p>Ngokusebenzia imigodlana yembhontiji enemibala ehlukahlukeneko (bovu, hlaza sasibhakkabha, sarulana, hlaza satjani) nikela abafundi inlayelo bona:</p> <ul style="list-style-type: none"> - Beka umigodlana weembhontiji ohlaza sasibhakkabha eduze nomgodlana weembhontiji osarulana. - Beka umigodlana weembhontiji obovu hlangana nomgodlana weembhontiji ohlaza sasibhakkabha nosarulani. <p>Umsetjenzana lo, ungafakwa hlangana kwezamakghono wePilo.</p>	<p>Amanothi athadhlulako</p> <p>Amabhlogo wemibalabala</p>	<p>Umsetjenziswa eziphakanyisiweyo</p>	Ukulinganisa ubude besikhathi

Week 9	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owoawa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)	Amanothi athadhlulako	Insetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
linhloko	<p>3.2 Izinto ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Hela amabuthelelo adulilako kwamabili wezintso onikelwe zona kusuka kwencani khulu ukuya kwekulu khulu <p>Okupathelene nokunyakazisa komzimba:</p> <p>Nikela abafundi ihlama yokudlala begodu ubavumele benze limbholo ngehlama.</p> <ul style="list-style-type: none"> Eenqhemeni zabo, abafundi bahlela iimbholo ezenziwe ngehlama kusuka kwencani khulu ukuya kwekulu khulu begodu kusuka kwekulu khulu uye kwencani khulu. <p>Ukusebenzia izinto eziphathelkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Elinye nelinye ilungu lesiqhema kufanele lithole into ngetlasini. Vumela abafundi bahlele izinto abazitholleko kusuka kwencani khulu ukuya kwekulu khulu eenqhemeni zabo. <p>UTitjhhere unikela esinye nesinye isiqhema incwadi yakade yenomboro zemitato.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Ukudabula amaphepha encwadini yeenomboro zemitato,bazijjhwalbanise benzeeimbodlwana eenqhemeni zabo. Abafundi kufanele bamadanise ukuthi ngiyiphi ibholo ekulu khulu begodu ngiyiphi encani khulu. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathelke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Nikela abafundi iphepha elinenthombe ezinezinto ezikulu nezincani Abafundi bangakhrayona izinto ezikulu begodu bazungelezele izinto ezincani 	<p>ilanga1</p> <p>Ihlama yokudlala</p> <p>Nofana ngiziphi yezinto ngetlasini</p> <p>lincwadi zakade zeenkomba zemitato</p> <p>A4 yephepha elineenthombe</p>		

Week 9	Isikhathi Sokufundisa esitjhukunyisweko: Umsebenzi wetlasi owoawa ohleliwayo okhokhelwa ngutjihere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana)		
linhloko	Amanothi athadhlulako	Insetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
4.2 Ubude	<p>Madanisa begodu uholele ngokuphathlekako izinto ngokusebenzisa ilwazi magama elifaneleko ukuhlathulula “ukuphakama”</p> <ul style="list-style-type: none"> Ukwethula umqondo “wokuphakama” <ul style="list-style-type: none"> - Ubude khulu / fitjhani khulu, - yide-khulu / fitjhani khulu) <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utithere ubiza abafundi aba- 4 begodu abawe isizo labafundi ukuthi bamrhelebe ukuhlela abafundi kusuka komude ukuya ngobkomfitjhani. - Vumela abafundi bazihele ngokwabo eenghemeni zabo ukusuka komude ukuya komfitjhani. - Umfundi munye ujama asame ngeboda lokha omunye welunga labo amumeda ubude bakhe ngezanda 		Ilanga li-1
	<p>Ukusebenzisa izinto eziphathlekako ezibusontathu (3-D)</p> <p>Utithere ubeka izinto ezihlukahlukeneko etafuleni yesinye nesinye isiqhema okufana neenrula, amapensela, amakhrayoni, amaraba njii.</p> <ul style="list-style-type: none"> - Hlela zoke izinto eziphe nezinto ezifitjhani ndawonye. - Abafundi kufanele bahlele izinto kusukela kwezide khulu ukuya kwezifitjhani khulu. <p>Itjhadi lobude</p> <ul style="list-style-type: none"> - Utithere unetjhadi lobude ebodeneliungiselelwе ukumeda ubude baloyo nafundo etjhadini lobude. - Sebenzisa amakarada wamatshwayo wabafundi ukubonisa ubude baloyo nafundo etjhadini lobude. - Utithere nabafundi bazothatha isiqunto sokobana uSipho mude ngamagadango wezandla ezi-6 lokha u-Abi anamagadango wezandla ama-5 ngombana yena u-Abi amfitjhana 	<p>linrula, amakhrayoni, amapensela, amaraba njii.</p> <p>Itjhadi yobude</p>  <p>Ubude buka Sipho zizandla ezi-6</p> <p>Ubude buka Abi zizandla ezi-5</p>	

IVEKE YE-10	Sebenzisa iveke ye-10 ukutjheja nokuqinisa imiqondo begodu /nofana inqaboo zokufunda ezitholakeleko	OKUMUMETHWEKO	Indela yokuhloka
linomboro, amapharetiñini noBudlewano	1.1 Ukubala	Ukulinganissa begodu nokubala okungakahleki ukufika ku-5 (iingoma zeenomboro nemidunduzelo ifaka hangana ukuthuthukisa umqondo wenomboro) Ukubona inomboro emajamweni ajayelekileko-isib umnyaka, irejista Ukuzwisisa inomboro silkhundla (isib. Ngesikhathi somsebenzi wangamalanga wangendlwani yokuphumela) Ukuzwisisa khunye nakhunye okukhambisanako (itjhadi lomsizi ngesikhathi seenqabuli) Ukubona iinthombe zeenomboro begodu namakarada wamacatjihazi abandakanya inomboro kunye Ukwazi itshwayo lenomboro 1 Ukukhumbula igama lenomboro kunye	
	1.6 Ukurarulula imiraro	Ukusebenzisa inisetjerizisa eziphathekako Ukuhlathulula ukucabanga kwakhe ngamagamanofana ngokugwalanofana izinto eziphathekako	
Amaphetheni namaFankjhini	2.1 amaphetheni wejiyomethri	Ukubona amaphetheni ebhodulukweni Kopa, ungezelele begodu utlame amaphetheni wakho	
Isikhala nobujamo (ijyomethri)	3.1 Ubujamo, ukuzijayeza nokubukela	Ukwazi ngaphambi kwe, ngemuva kwe Ukwazi ngaphenzulu, phezu kwe, ngaphasi kwe, ngenzasi Ukwazi ukuthi ngaphakathi, ngaphandle Ukwazi phasi, phezulu	
	3.2 Izinto ezibusobuntathu (3-D) begodu	Ukuzwisisa imiqondo:ukuya phambili, ukuya emuva, phambili nemuva Ukukhumbula, ukubona nokutjho amagama weembholo	
	3.3 amajamo abusobubili (2-D)	Ukukhumbula, ukubona nokutjho amagama wamabhoksi Ukwakha okungasenani iphazeli yeentokana ezisi -6 Ukutjengisa ikghono lokuhukanisa hlangana nezinto "ezinqotjhiweko begodu nezinto ezingakanqotjhw."	
		Ukubona nokukhumbula indulungu. Ukubona nokukhumbula uncantathu Ukubona nokukhumbula isikwere	
		Ukumadanisa bonyana ngilphi lamabuthelelo amabili wezinto anikelweko elikhudlwana, ncazana, khulu khulu, ncani khulu Ukuhlela izinto ngama: sayizi/ ubukhulu – ezikulu nezincani	
		Umbala – Imbalo esisekelo (obomvu, osarulani, ohlaza sasibhakabbaka Ubujamo – indulungu, uncantathu, nesikwere Izinto ezigedekako Izinto ezitjhelelako	

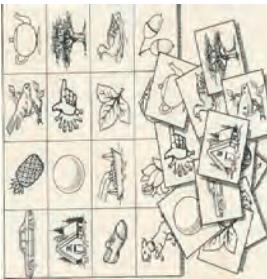
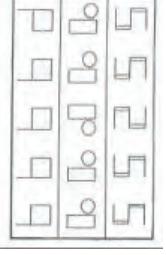
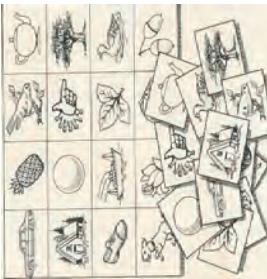
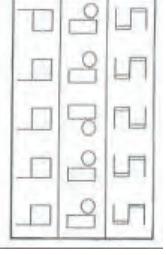
IVEKE YE-10	Sebenzisa iveke ye-10 ukutjheja nokuqinisa imiqondo begodu /nofana linqabo zokufunda ezitholakeleko
OKUMUMETHWEKO	Indela yokuhola
Isikhala nobujamo (ijyomethri)	linhloko
Ukumeda	3.4 Isimethri
	Ukubona umuda wesimethri Kuye
	Ukusebenzisa amagama afana nokuthi imini, ubusuku, khanya begodu nzima, ekuseni, emini , nitambama, ukuhlathulula isikhathi selanga
	Hela izehlakalo ezizibuyelelako zepilo yakhe yangamalanga (iHlelo Langamalanga)
	Ukutjengisa ilemuko lamalanga weveke, isikhathi sonyaka begodu nobujamo bezulu
	Ukwazi ilanga lakhe lamabeletho
	Hukanisa htangana kobude, ubudanyana, ubude khulu, fitjhani, fitjhazana, fitjheliweko
	4.2 Ubude
Ukuphattha idatha	Ukubuthelela nokuhela izinto
	5.1
	Ukwazi ukubuthelela, ukuhela, ukugwala, ukufunda begodu nokujamisela (tsenga) izinto ngokuya ngetshwayo ellidwa.
	5.2
	Ukujamisela ibuthelelo lezinto ezhileliweko
	5.3
	Ukucocissana nokuletha umbiko ngezinto ezisebuthelelweni elihielweko.

THEMU YESI -2 IIMBALO IGREYIDI R			
lveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owođwa oheliiveko okhokhehlwa ngutitjhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokutthalihula	Ukuliganisa Ubude besikhathi
linhloko			ilangga li-1
1.1	<ul style="list-style-type: none"> Ukwethula ihlathululo yenomboro uku-2 Zomlomo: Bala izinto zangamalanga ukufika ku-2. Ukubala uye phambili begodu uye emuva ukufika ku-2. Ukubala okungakahaleeki 1-7 Ukuqinisa imiqondo yo: kunengi” begodu “mbadiwana” Ukuwahla izandla amahlandla amanengi ... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utitjhera uwahla izandla bekube ka-2. 	<p>linthombe ezimbili zeenyonii zokubala ingoma - “inyoni ezimbili ezincani zikaDickey”</p>	
Ukubala izinto	<p>Okuphathelene kokusikinyeka komzimba</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Bize abafundi aba-2 ngaphambili. Ba bale - Bale iintulo , iintafula ezi-2, njil - Bona izinto ezikhamba ngazimbili emzimbeni njengamehlo, iindlebe, izanda, imilenze, inyawo , amaddolo, amahombe, njil. - Benze igido elenziwa ngezitho zomzimba, wahlia izandla kabili, vuma ngehloko kabili, ukubetha ngenyawo kabili,nofana ukweqa kabili - Phakamise imino emi-2, izandla ezi-2, inyawo ezimbili <p>Imizimba yabatundi</p>		

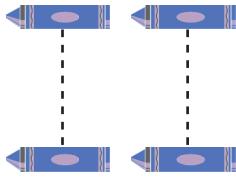
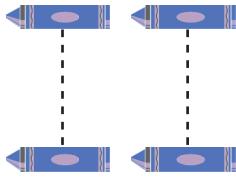
Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	Amanothi wokuthadhlula	Ukulinganisa Ubude besikhathi
1.1	<p>Ukusebenzsa izinto eziphathnekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babone izinto ezimbili ezifanako ezingekumbeni yokufundela, isib. Amanyathelo amabili, amakhrayoni amabili, njil - Bathuthukise ilemuko lokuthi inomboro ihlala injalo nomu ungayijamiselela ngani ngokuvumela abafundi babeke izinto zokubala ezimbilinofana eziyne izinto ngendleta ezihlkahlukeneko, isib.  <p>Lokha nawubalako, inomboro yezinto ayithikanyezwa bukhulunofana ubujamo,nofana indawo, nanyana zingezemihlobo efanako, isibonelo.</p> <ul style="list-style-type: none"> - Hlela liinkunibhe ezi-2, amapensela ama-2, amawupsi ama-2, abafundi aba-2, njil - Zibale ngendlela ehlikahlukleko, isib. Zibale zirhatjhekile, zihalelene, zisemudeninofana zipakelene. 	ilanga li-1

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	Ukulinganisa Ubude besikhathi	Ilisetjenziswa eziphakanyisweko
linhloko	<p>Amanothi wokuthadhlhu</p> <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezbusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> • Ukwazi itswayne lenomboro begodu nokukhumbula igama lenomboro elifaka hilangana inomboro u -2 	<p>Amafletjhikarada weenomboro anezinto ezimbili.</p> <p>Izinto ezingkumbeni yokufundela begodu nebhoodulukwensi.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> linthombe zezinto ezi- 2  </div> <p>Ifletjhikarada elineenthombe ezimbili, amaqatjhazi, itswayne lenomboro, begodu negama lenomboro</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Isi- thombe sento 2  </div>	<p>ilanga li-1</p>

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p>Amanothi wokuthadhlhu</p> <p>linsetjenziswa eziphakanyisiweko</p> <p>Ukulginganisa Ubude besikhathi</p> <p>ilanga li-1</p> <ul style="list-style-type: none"> • Ukuhiathulula, ukuhlela begodu nokumadanisa izinto ezibusontathu (3-D) begodu namajamo abusobubili (2-D) ngokuya; - Ngokufanako begodu nokuhulkileko <p>Okupatheliene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Khettha abantazana ababili ngokusebenzisa umdunduzelo wokubala - Abanye abafundi babona bonyana abantazana ababili bafana ngani? - Khettha umsana begodu nomntazana ngokusebenzisa umdunduzelo wokubala - Abanye abafundi babona bonyana umsana nomntazana bahluke ngani - Ngababili umfundi oyedwa "ujama" ngendlela ethize begodu omunye umfundi ufanele akope ukujama komunye ngokunembako - Umfundu munye ujama izandla zakhe azibeka ehloko begodu nangenyawo linye. Omunye lo ukopa "ubujamo" lobo. - Hlela abafundi ngokuya ngobulli, labo abambethe amanyathelo, nalabo abambethe amapatiagwana, begodu nalabo abangakambathi amanyathelo. - Bizela abafundi laba ngaphambili. <ul style="list-style-type: none"> o Abentazana nabesana abambethe amabhrugu, nomtazana ombethe irogo o Boke abantwana abembethe amanyathelo, namunye ongakambathi amanyathelo - Buza imibuzo etfana nokuthi: " Ngimuphi umfundi ongakkambeleni nabanye? Ngimuphi umfundi ohlukileko?" 	

Iveke ye-11	<p>Ubude besikhathi esiphakanyisweko : Umsebenzi wetiasi owdwa ohleliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	<p>linhloko</p> <p>Amanothi wokuthadhlhu</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi ababili babbhampisa amabholo: ibholo ekulu nebbholo encani ngikuphi ezhiluka ngakho. - Umfundu munye ugeda ilamuna, omunye ugeda ibholo. - Abanye abafundi babona bonyana kungayiphi indlela lapho iimbholo zifana khona begodu begodu ngikuphi ezhiluka ngakho. - Abafundi batjheja amanyathela wabesana begodu namapattagwana wabentazzana - Abanye abafundi babona bonyana kungaziphi indlela lapho amanyathelo afana begodu ahluke ngakho. - Abafundi bafunyana izinto ezifanako ezingekumbeni yokufundela. <p>Sebenzisa amajamonofana liinthombe ezipheze ziphathhek ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Nikela amakarada womdalo amejhako ukuthuthukisa okufanako begodu nokuhulkileko, isib. <p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>linsetjenziswa eziphakanyisweko</p> <p>Ukulinganisa Ubude besikhathi</p> <p>ilanga li-1</p> <p>Zenzele amakarada wakho wemidalo amadanako njengesibonelwensi esengenzasi</p>  <p>amakarada akhambelenako wemidalo</p>  <p>Ragela phambili emakaradeni abudisana ngokukhamba komnyaka. Abafundi abakafaneli bonyana bafunde amaledere, isib.</p> 
3.2 Izinto ezibusontathu (3-D)	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abanye abafundi babona bonyana kungayiphi indlela lapho iimbholo zifana khona begodu umfundu munye ugeda ilamuna, omunye ugeda ibholo. - Abanye abafundi babona bonyana kungayiphi indlela lapho ibholo nelamune zifana khona begodu ngikuphi ezhiluka ngakho. - Abafundi batjheja amanyathela wabesana begodu namapattagwana wabentazzana - Abanye abafundi babona bonyana kungaziphi indlela lapho amanyathelo afana begodu ahluke ngakho. - Abafundi bafunyana izinto ezifanako ezingekumbeni yokufundela. 		
3.3 Ubujamo obubusobubili (2-D)	<p>Sebenzisa amajamonofana liinthombe ezipheze ziphathhek ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Nikela amakarada womdalo amejhako ukuthuthukisa okufanako begodu nokuhulkileko, isib. 		

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p style="text-align: center;">Amanothi wokuthadhlula</p> <p>1.4. Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleleko</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Thuthukise imiqondo wokufanako begodu nomqondo wokuhulkileko. - Madanisa imino yabo neenzwani zabo. Nanyana zifana ngenani ziqaleka zihlukile. - Madanisa imino, izinzwanini namehlo. Ziqaleka zingafani. Sinenani elliliganako lemino neenzwani zili-10 kodwana sinamehlo amabili kwaphela.. - Madanisa lindlebe, imikhono, imilenze begodu neenyawo. Ziqaleka zihlukile kodwana ziyanana /lingana ngenani, zimbili ngayinye. - Uthijhera ugwalla iindulungu ezimbili phasinofana wenza iindulungu ezimbili ngentambo phasi. Layela abafundi bonyana bazihlukanise kabili ukuze kubenenan labafundi elliliganako endulungini ngayinye. Bala inani labafundi. Khomba bonyana iinqhema ziyaligana . 	<p>linsetjenziswa eziphakanyisweko</p> <p>Ukulinganisa Ubude besikhathi</p> <p>ilanga li-1</p>

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetiasi owdwa ohleliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p>Amanothi wokuthadhlula</p> <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Thuthukisa imiqondio yokufanako nokuhulkileko - Bekai sedede yamatshwayo wabafundi phakathi kwekhaphethe. - Nikela umfundu ngamunye itshwayo lakhe lekarada. Abafundi bazama ukumadanisa amatshwayo wabo nalawo afanako asekhapheheni. - Beka ibuthelelo lezinto etafuleni begodu uzihlukanise ngokulinganako (yinye yakho, yinye yami) <p>limboneko:</p> <ol style="list-style-type: none"> 1. Beka izinto ezimbili zemihlubo efanako, isib. Amakhrayoni, erevini etafuleni. Bawa umfundu oyedwa amadanise linye lamakhrayoni wakathitjhera nalinye lakhe. (Abafundi bafanele bathathe amakhrayoni amabilii ukumadanisa inani lamakhrayoni kathitjhera. "Kwanje sinenani ellingsanako elifanako lamakhrayoni".) 2. Buyelela umsetbenzi ofanako ofana nongehla ngezinto ez-4 nezsi-6 ukuze abantwana bazwisisse imiqondio "yokufanakoyokulinganako" 3. Uthitjhera ubeka amabilii ngereyi etafuleni. Unikela abafundi ababili ibhlogo ngamunye. Ubawa abafundi bona bamadanise ibhlogo labo nelakhe. (Abafundi bafanele ngamunye bayokuthatha elinnye ibhlogo lokumadanisa amabhlgo amabilii katijhera) "Njenganje umuntu ngamunye unamabhlgo ama-2. Sinenani ellingsanako lamabhlgo"  	<p>Ilisetjenziswa eziphakanyisiweko</p> <p>Ukulginganisa Ubude besikhathi</p> <p>ilanga li-1</p>  

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokuthadhlula	Imisetjenziswa eziphakanyisweko
linhloko	<p>1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleleko</p> <ul style="list-style-type: none"> Hela begodu umadanise ibuthelelo lezinto ngokusebenzisa “ngaphezu kwa” Zomlomo: Bala izintu zangamalanga ukufikela enomborweni u-2. Qinisa imiqondo “nengi” begodu mbadlwana”. Wahla izandla kanengi....JAMA Wahla izandla amahlandla ambadlwana.Utijhera uwahla izandla ukufika enomborweni yesi-2. <p>Okuphathelene nokusikinyeka komzimba</p> <p>Abafundi batjho bonyana ngiliphi lamabuthelelo wezinto amabli eli: “nengi kuna”</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> Bale amehlo nemino yabo. Buza umbuzo: “Ngikuphi abanakho okunengi? Tjengisa imino emibili yesandla sinye begodu nomuno mu-1 kwesinye isandla.:Ngisiphi isandla esinemino eminengi?” Khettha abafundi aba-3 ngokusebenzisa umdunduzelo wokubala. Babuthelele ngeenqhemza zangai-2 begodu nanga-1    <p>- Bala bonyana bangaki abafundi esiqhemeni ngasinye. Madanisa iiohema ezimbili begodu ubuze imibuzo efana nokuthi: “ Ngisiphi isiqhema esinabafundi abanengi?” Ngisiphi isiqhema esinabafundi abanengi kunoyedw?”</p>	<p>Ukulinganisa Ubude besikhathi</p> <p>llanga li-1</p>	

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owdwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	Amanothi wokuthadhlha  Ukusebenzisa Izinto eziphathhekako ezibusontathu (3-D) <ul style="list-style-type: none"> - Beka iinkere ezi-2, izinto zokubala ez-3 begodu namakhrayoni ama-4 etafuleni.   	linsetjenziswa eziphakanyisweko  Nanyana ngiziphi izinto ezingekumbeni yokufundela
1.4 Ukuhlathulula, ukumadanisa nokuhela inomboro ngokuphelleleko	<p>Buza imibuzo efana nokuthi: "Ngiziphi linqhemu ezinezinto ezinengi. Ngisiphi isiqhema esinokunengi ukudlula seenkere?" Ngisiphi isiqhema esinezinto zokubala ezingapezulu kweentathu?</p> <p>- Beka izinto ezihlukahlukeneko eziphathhekako (amaqephe, amatje, amaprobhō, njil) etafuleni. Zihlele ngeenqhemu (amaprobhō woke ndawonye), bala inani esiqhemeni ngasinye begodu tjengisa isiqhema esinezinto ezinengi, ncani kuna, nezilingana na. Banikele ithuba lokobana basebenze ngezinto zabo zokubala. Thoma ngeenomboro ezincani.</p> <p>- Ukuhlanganisa: limumathi kufanele zinkelwe abafundi ngesikhathi sokudlala ngamanzi begodu nesokudala ngesanda ukubanketia ithuba lokusebenza ngokullinga ngemiqondo efana nokuthi kunengi kuna, kuncani kuna, kulingana na.</p>	Sebenzisa amajamonofana linthombe ezipheze ziphatheke ezibusobubili (2-D) <ul style="list-style-type: none"> - Vumela abafundi bamadanise isithombe begodu namafletjhikarada wamaqtjhazi. Thola amakarada anenani elidlu lelo olirkelwe ngutijhera, isib. - Utijhera uthi: Thola ikarada elineenthombe zanamaqtjhazi angaphezu kwama-2      

Iveke ye-12	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)		
linhloko	Amanothi Wokuthadlhula	lisetjenziswa eziphakanyisiweko	lsilinganiso sobude besikhathi
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukukhumbula begodu nokubona itsihwayo lenomboro begodu negama lenomboro efaka hilangana inomboro ku - 2 <p>Zomlomo: Ukubala izinto zangamalanga ukufika kunomboro - 2.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-2.</p> <p>Ukubala okungakahleleki 1-7</p> <p>Ukuqinisa imiqondo yokuthi: “kuneng” begodu “mbadlwana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-2.</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Babbampise ibholo kanye, ngamanye amagama ihländia li-1 Babbampise ibholo kibili, ngamanye amagama amahlandla ama-2 Bagwale inomboro ukubili phasi begodu vumela abafundi bakhamble inomboro ukubili. Bagwale itsihwayo ukubili esanden, emoyeni, emadin, njil. Benze inomboro uku-2 ngehlama yokudlala. Bathole abangani aba-2 abambethe amanyathelo. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> Dobhe into yinje yokubala . Dobhe izinto ezimbili zokubala. 	<p>Ilanga li-1,</p> <p>lingoma nemidunduzelo yeenomboro</p>	

Iveke ye-12	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)		
linhloko	Amanothi Wokuthadlhula	linsetjenziswa eziphakanyisiweko	lsilinganiso sobude besikhathi
1.1 Ukubala izinto	<p>Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezbusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babone ifletijhikarada yesithombe begodu bawahlobanise nenani elifanako lezinto. - Babone amafletijhikarada ameregwé ngamaqatjhazi amabili begodu bawahlobanise nenani elifanako lezinto. - Ukubona amafletijhikarada wamatshwayo weenomboro begodu namafletijhikarada wamagama weenomboro begodu bawahlobanisa nenani elifanako lezinto zokubala. - Babone itshwayo lenomboro ku - 2 eenthombeni ezinikwelue ngutijhera. - Kukuphi lapho okhunye la ungabona khona inomboro ku-2 ngekumbeni - Hlukanisa itlasi ingeenqheima. Banikele ithuba lokudila ngamadomino weenomboro eenqhemeni zabo. 	<p>Amafletijhikarada aneenthomb e ezimbili, amaqatjhazi, itshwayo lenomborobegodu negama lenomboro.</p> <div style="border: 1px solid black; padding: 2px;"> Isi-thombe sento 2 2 two </div> <p>Izinto zokubaka Isithombe lapho kubonakala khona itshwayo lenimboro uku-2</p>	llanga li-1,

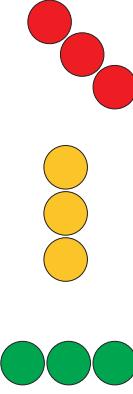
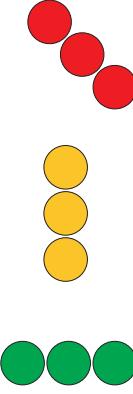
Iveke ye-12	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)		
linhloko 1.7 Ukuhlanganisa nokukhupha	<p>Amanothi Wokuthadhlula</p> <p>linsetjenziswa eziphakanyisiweko</p> <ul style="list-style-type: none"> • Ukurarulula begodu nokuhlathulua iinsombululo zemiraro yamagama ngomlomo (iindatjana zeembalo) eziphathelene nenomboro ku- 2 Okuphathelene nokusikinyeka komzimba <p>limbonele:</p> <p>Utitjhera ubizela umfundu mu-1 ngaphambili. Abafundi bayambala. Utitjhera ubiza omunye o-1 begodu abuze bonyana: Bangaki abafundi nababoke? Ku-1 na ku-1 → 2.(Utitjhera uthi: ku-1 na ku-1 kwenza ku- 2)</p> <ol style="list-style-type: none"> 1. Utitjhera ubeka isitulu si-1. Ngeza ngasi-1ngaphezulu. Zingaki iintulo nazizoke? Ku- 1 na ku 1→ ku-2. 2. Utitjhera uphakamisela imino emi-2 phezelu. Begodu uthi: "Bala imino yami. Lokha nangifhla umuno munye, mingaki imino oyibonako? ku-2 khupha ku-1→ 1 3. Utitjhera uphakamisela imino emi-2 phezelu. Begodu uthi: "Bala imino yami. Nangingakhuphi namunye umuno, mingaki imino oyibonako? ku-2 khupha i-0 → 2 4. Kunomntwana munye ekhaya. Munye uza ukuzzokudala. Bangaki abantwana nasele baboke na? 5. Kunabantwana ababili etafuleni. Umntwana ngamunye utufuna istitulo sakhe. Ziintulo ezingaki ezifunekako na? <p>Ukusebenzisa izinto eziphattnekako ezibusontathu (3-D)</p> <p>Isibonelo: (Sebenzisa izinto zokubala)</p> <ol style="list-style-type: none"> 1. Lokha unekuke linye begodu umma wakho akunkela elinye, uzokuba namakuke amangaki? 2. Utitjhera unezinto zokubala ezimbili esandleni sinye begodu akanazo kesinye isandla. 3. UKosabo uneembholo ezi-2, begodu ibholo yi-1 eyeqayeqa ikhambe. Zingaki iimbbolo ukosabo asele nazo na? 4. Lokha unamabhlago ama-2 begodu upha umngani wakho ibholo li-1, Mangaki amabhlago enizokuba nawo umuntu ngamunye na? 	<p>lsilinganiso sobude besikhathi</p> <p>llanga li-1</p> <p>lingoma nemidunduzelo yeenomboro</p> <p>lsilntozokubala(nawunganawo amakuke)</p> <p>lsilntozokubala limbholo Amabhlogo</p>	

Iveke ye-12	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owođwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p>Amanothi Wokuthadhlula</p> <p>lisetjenziswa eziphakanyisiweko</p> <p>lsilinganiso sobude besikhathi</p> <p>llanga li-1</p> <p>1.4</p> <p>Ukuhlatihulula, ukumadanisa nokuhiela inomboro ngokupheleleko</p> <ul style="list-style-type: none"> Hela begodu umadanisa ibuthelelo lezinto ngokusebenzisa “Kuncani kuna” <p>Zomlomo: Bala izinto zangamalanga ukufika enomborweni ku-2.</p> <p>Ukuqinisimaqondo yo: kunengi” begodu “mbadiwana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadiwana. Utijhera uwahla izandla ukufika ku-2.</p> <p>Okuphathelene nokusikinyeka komzimba (Ukufaka hlangana nobukghwari boKwenza emakghonweni wePilo – ukudansa)</p> <ul style="list-style-type: none"> Ukuvuma ingoma: linhloko namahloome, amadololo neemzwani” ukuvuma igama elinye nelinye ihlandla lokuthoma. Ehlandleni elilandelako awulivumi igama lokugcina, isib. “linhloko namahloome, amadololo na, amadololo naamadololo na ...” Vuma ingoma,ungalivumi godu elinye igama lokugcina, isib. linhloko namahloome,na....., na Utijhera ukhomba bonyana njalo nabavumako kususwa linye igama bekufike lapho okungasana gama ellivunywako. <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <p>Utijhera wenza iintambo ezine zemincamo.</p> <p>Faka imincamo emi-3 entanjeni yokuthoma, imincamo emi-2 entanjeni yesibili, umncamo munye entanjeni yesithathu begodu imincamo emi-3 entanjeni yesine.</p> <p>Vumela abafundi bonyana babone bonyana:</p> <ul style="list-style-type: none"> Ngiyiphi intambo enomncamo omncani khulu? Ngiyiphi intambo yomncamo ena-1 ngaphezu kwentambo enemincamo emi-2? Ngiyiphi intambo yomncamo ena-1 ngaphasi kwentambo enemincamo emi-3? 	

Iveke ye-12	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owođwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi Wokuthadlhula	lisetjenziswa eziphakanyisiweko	lsilinganiso sobude besikhathi
linhloko				
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleko	Sebenzisa amajamo notana iinthombe ezipheze ziphathike ezibusobubili (2-D) - Vumela abafundi bamadanise iinthombe namaflethikarada wamaqatjhazi. Ukubona amakarada amanengi kuna begodu namancani kunenomboro enikelwe ngutijhera, isib. ngiliphi ikarada elingaphezu kukaku-2? - Ngiliphi ikarada elingaphasi kukaku-4? 	Yenza isithombe sakho begodu namasede wamakarada wamaqatjhazi.	llanga li-1	
	<ul style="list-style-type: none"> • Ukuqinisa ukumadanisa ibuthelelo lezinto ezimbili onikelwe lona ngokusebenzisa: <ul style="list-style-type: none"> - okunengi kuna - okuncani kuna (mbadlwana) <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni - 2</p> <p>Ukubala okungakahleleki 1-7</p> <p>Ukuqinisa imiqondo yo: "kunengi" begodu "mbadlwana"</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-2.</p> <p>Vumela abafundi babone bonyana:</p> <ul style="list-style-type: none"> - Ngiphi intambo ezimbili zemincamo. Faka imincamo emi-3 entanjeni yokuthoma, imincamo emi-2 entanjeni yesibili, - Ngiphi intambo enimincamo eminengi? - Ngiphi intambo yemincamo enimincamo engaphezu kwemi-2? - Ngiphi intambo yemincamo enimincamo engaphasi kwemi-3? <p>Ukuhlanganisa nobukghwari obuBonakalako lapho abafundi baphothela khona amastro, amatjhipsi weplastiki, baquntula amajamo asikiweko anentunja evuliweko phakathi, amakari, njil.</p>	<p>lingoma nemidunduzelo yeenomboro</p> <p>lintambo ezimbili ezinenani lemincamo ehlukahlukeneko</p>		

lveke ye-12	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	linhloko	Amanothi Wokuthadlhula	linsetjenziswa eziphakanyisiweko lsilinganiso sobude besikhathi
1.4	Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezibusobubili (2-D) Beka isiqhema sezinto phezu kwetafula begodu zihlukanise ngokuya nge: <ul style="list-style-type: none">- linqhemma ezilinganako (yinye ngeyakho, yinye ngeyami)- linqhemma ezingalinganiko (madanisa ubone bonyana ngisiphi isiqhema esi nezinto ezinengi khulu/ ezincani khulu begodu ngiziphi ezifanako).- Nakuneenqhema ezimbili ezingafaniko, ngikuphi okufanele sikwenze bonyana zilingane/zifane?	Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokuphelleleko	Intambo ezimbili ezinanani lemincamo ehlukahlukeneko	llanga li-1
3.2	Ukusebenzisa izinto ezipathenkako ezibusontathu (3-D) Ukusetjenziswa kwezinto ezibusontathu abaphathhekako Vumela abafundi: <ul style="list-style-type: none">• Ukuhlathulula, ukuhlela, nokumadanisa izinto ezibusontathu 3-D namajamo abusobubili 2D	Izinto ezihiukahlukeneko ngellasini, ezincani nezikulu lsib. limbholo, abonompopi, imoderana yokudala, amabhlago welogi, njil.	Izinto ezihiukahlukeneko ngellasini, ezincani nezikulu lsib. limbholo, abonompopi, imoderana yokudala, amabhlago welogi, njil.	llanga li-1.
3.3	Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezibusobubili (2-D) Hlukanisa abafundi ingeenqhema ezhlanu. Nikela isiqhema ngasinye amajamo amanengi ahlukahlukeneko. <ul style="list-style-type: none">- Vumela abafundi bahiele amajamo ngokuya:<ul style="list-style-type: none">o ngombalao amajamo (nanyana abafundi bangawazi amajamo).o Ubukhulu/isayizi- Sebenzisa imidialo yamakarada ethuthukisa imibal, ubukhulu begodu namajamo.	Ubujamo obubusobubili (2-D)	Amajamo wama Loginofana amanye amajamo amibalabala onawo/ akhona.	

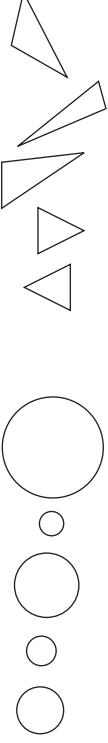
Iveke 13	<p>Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (<i>indulungu</i>) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)</p>		
linhloko	<p>Amanothi wokuthadlhula</p> <ul style="list-style-type: none"> • Ukwethula ihlathululo yenomboro ku-3 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomboro ku-3 Ukubala uye phambili begodu uye emuya ukufika enomborwani ku-3. Ukubala okungakahleleki 1-7</p> <p>Ukuqinisa imiqondo yokuthi: “kunengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-3.</p>	<p>Imsetjenziswa eziphakanyisiweko</p> <p>llanga li 1</p> <p>lingoma nemidunduzelo yeenomboro.</p>	<p>Isilinganiso sobude besikhathi</p>
1.1	<p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhera ubetha isigubhu nofana udlala ingoma. Lokha umvumo nawuphelako abafundi benza iinqhema zangabathathu - Buza abafundi bonyana bobani abanomndeni onamalunga amathathu kuphela. - Abafundi bajama emjejeni /ereyini; Utijhera ubuza bonyana “Ngubari umuntu wesithathu ereyini na?” Hlukanisa abafundi ngeenqhema ezina \pm5. <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Dabule amakhasi amathathu encwadini endala yeenomboro zomtato. - Tshwabanisa amakhasi amathathu uwenze abe ziimbhodlwana ezintathu ezibojjhwe zaqina ngokukg honakalako. Ukungezelela umuda wangaphakathi ohlukanisa amahlangothi womuntu abafundi abasebenzise isandla sabo esinamandla. Umfundu angahlala phezu kwesandla sakhe esinganamandla. - Vula liimbolo begodu uzitshwabanise godu. - Bala liimbolo ngemva kobana zoke zoziintathu sele zitshwabaniweise. - Ngesikhathi ubala, phosela liimbholo zontathu emantjinji obekwe phakathi nesiqhema. <p>Umsebenzi lo ungaflanganiswa nesiFundu sokuzThabulula emakGhonweni wePilo.</p>	<p>lincwadi ezindala ezinerhelo lamagama wabantu kanye neenomboro zabo zomtato Umantji</p>	

Iveke 13	<p>Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehlwa ngutijhera (<i>indulungu</i>) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)</p>	Amanothi wokuthadlhula Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)	lisetjenziswa eziphakanyisiweko Isilinganiso sobude besikhathi	llanga li 1
linhloko	<p>Ukubala izinto</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Ukukhomba izinto ezi-3 ngekumbeni yokufundela - Ukuphakamisela phezelu lmino emi-3 - Ukubeka izinto ezintathu etafuleni. Umfundi ngamunye uza etafuleni begodu ubala into ngayinnye. Umfundi uthinta into ngayinnye nakaybalako. Buyetela ngezinye izinto. - Bathuthukise ilemuko lokuthi inomboro ihlala injalao nomu ungavijamiselela ngento enjani, ngokuvumela abafundi babeke izinto zokubala ezimbilinofana ezinye izinto ngeendleta ezihlkahlukenko, isib. 		Izinto zookubalanofana izinto nje	
1.1	<p>Ukubala izinto</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Lokha nawubalako, inomboro yezinto ayithikanyezwa bukhulunofana ubujamo,nofana indawo, nanyana zingezemihlubo eranako: Isibonejo: - Hlela iinkunubhe ezi-3, amapensela ama-3, amahupsi ama-3, abafundi aba-3, njil - Zibale ngezindela ezhhlukkleko, isib. Zibale zirhatjhekile, zhlaelene, ngemidanofana ngehobhu. 		<ul style="list-style-type: none"> - Tjengisa isithombe se “poto yesintu enemilenze emithathu” - Bala imilenze. - Vumela abafundi bacabange ngezinye izinto enemilenze emithathu. - Tjengisa isithombe sekarda elinezinto ezi-3. Abafundi babala iiomboro zezinto zokubala ezikhambelanako nesithombe sekarada. - Yenza okufanako ngamakarada wamaqatjhazi - Abafundi bamadanisa ikarada lamaqatjhazi namakarada weenthombe 	Amafletjhikarada weenthombe Amafletjhikarada wamaqatjhazi Izinto zokubala <div style="border: 1px solid black; padding: 2px; display: inline-block;"> Isithombe sento 3 </div> 

Iveke 13	<p>Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	
linhloko	<p>Amanothi wokuthadlhula</p> <p>1.3 Amatshwayo weenomboro namabizo weenomboro</p> <ul style="list-style-type: none"> Ukwazi amatshwayo weenomboro begodu nokukhumbula amagama weenomboro ezifaka hlangana uku -3 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku -3 Ukubala uye phambili begodu uye emuva ukufika ku ku-3.</p> <p>Ukuqinisa imiqondo yokuthi: "kunengi" begodu "mbadiwana"</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Nikela umfundi ngamunye amakhyubhu weyunitifksi ama-3 Uttijera ubajjengisa iqatijhazi, isithombe, itshwayonofana ikarada legama lenomboro okufaka hlangana ephathelene iinomboro ku-1 ukuya ku-3. Abafundibabala inomboro enqotjiwiweko / enikelweko begodu babeka inomboro eranako yamakhyubhu weyunitifksi eminweni yabo. <p>Sebenzisa amajamonofana nekarada isithombe ezipheze ziphathek ezibusobubili (2-D)</p> <p>Balemuke:</p> <ul style="list-style-type: none"> Ukubona amafletjhikarada anenani elihukileko leethombe kilo Ukulemuka ifletjhikarada elinetshwayo lenomboro 3 Ukuhlobanisa itshwayo lenomboro ku-3 nenani lezinto begodu nenani lamaqatjhazi. Ukuhlobanisa igama lenomboro nekarada letshwayo lenomboro begodu nenani lamakarada wamqaatjhazi Nikela umfundi ngamunye ikarada lenemboro efaka hlangana iinomboro ku-1 ukuya ku ku -3. Uttijera uphakamisela phezulu ikarada elineqatjhazi nofana ikarada lesithombe. Abafundi baphakamisela phezulu ikarada lenomboro elimadana nenekarada lesithombe. 	<p>Isilinganiso sobude besikhathi</p> <p>Isilinganiso sobude besikhathi</p> <p>Ilsetjenziswa eziphakanyisiweko</p> <p>Ilsetjenziswa eziphakanyisiweko</p> <p>Amakhyubsi wamayunitifksi</p> <p>Ikarada lenomboro efaka hlangana inomboro 1 ukuya ku-3</p> <p>Isithombe sento 3</p> <p>Isithombe sento 3</p> <p>Amafletjhikarada ahlukahlukeneko anenani elihukileko kelinje nelinje.</p> <p>Amafletjhikarada anenomboro ku-3</p> <p>Amafletjhikarada amereggwe ngamacatjhazi ama-3</p> <p>Isithombe sento 3</p>

Iveke 13	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owođwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p> <ul style="list-style-type: none"> Ukurarulula imiraro yokuhlanganisa begodu nokukhupha ngomlomo eneensombululo ukufika ku ku-3 <p>Zomlomo: Bala izinto zangamalanga ukufika enomborweni ku- 3 Ukubala ukuuya phambili begodu uye emuva ukufika ku ku-3</p> <p>Okupathethelene nokusikinyeka komzimba</p> <p>limboneo:</p> <ol style="list-style-type: none"> Utitjhera ubizela abafundi aba-2 ngaphambili. Abafundi bayababala. Utitjhera ubiza omunye oye-1 begodu ubuza bonyana." Bangaki abafundi nababoke?" 2 na 1 → 3. (Utitjhera uthi: 2 na 1 kwenza - 3) Utitjhera ubeka iintulo ezi-3. Akangezi ngezinye. Zingaki iintulo nasele zizoke? Ku-3 na 0 → 3. Utitjhera ubeka iintulo ezi-3. Ukhupha si-1. Sekusele iintulo ezingaki nje? Ku -3 ukhupha ku-1 → 2. (ku-2 na ku-1 kukunikela ku-3) Utitjhera ubizela abafundi aba-3 ngaphambili. Babalen. Ubuyisela abafundi ababili emuva. Bangaki abafundi abaseleko? Ku -3 ukhupha ku-2 → 1 <p>Ukusebenzsa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Nikela umfundi ngamnye izinto zokubala ezi-3. Lokha utitjhere "acoca indatjana", abafundi bapaka izinto zokubala.</p> <p>Isibonelo</p> <ol style="list-style-type: none"> UAna unamalamune ama-2begodu uMsongewa umnikela elinye eli-1. UAna sekaranalamune amangaki nje? Ku -2 na ku-1 → 3. (Utitjhera uthi: ku -2 na ku-1 kukunikela ku-3) Kunegatja li-1 lomuthi emthini begodu amanye amagatja ama-2 ayamila. Mangaki amagatja asemthini kwanje? Ku-1 na ku-2 → 3. <p>limboneo:</p> <ol style="list-style-type: none"> Ifene inamabhanana ama-3 idia li-1. Isele namabhanana amangaki? ku-3 ukhupha ku-1 → 2. Kunamahabhula ama-2 emthini wamahabhula. Li-1 lamahabhula liwela phasi. Mangaki amahabhula asele emthini? ku-2 ukhupha ku-1 → 1 	<p>Isilinganiso sobude besikhathi</p> <p>Ilanga li-1</p> <p>linsetjenziswa eziphakanyisiweko</p> <p>lingoma begodu nemidunduzelo yeenomboro</p> <p>Isilinganiso sobude besikhathi</p> <p>izinto zokubala ezi-3 umfundi ngamunye</p>

Iveke 13	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	<p>2.1 Amaphetheni wejiyomethri</p> <p>UkuzaKhela amaphetheni azibuyeletako ngokusebenzisa izinto ezi-2.</p> <p>Okupathelene nokusikinyike komzimba</p> <p>Abafundi bahala benzendilungu. Bavuma amaphetheni wamagama limbonejo:</p> <p><i>llanga, isibhakabkhaka , llanga, isibhakabkhaka</i></p> <p><i>Ibhanana, i-apula, ipyere, ibhanana, i-apula, ipyere</i></p> <p><i>USusani, uJoni, uAbi , uSusani,uJoni , uAbi.</i></p> <p><i>Bomvu, hlaza kwesibhakabkhaka, hlaza kwesibhakabkhaka, bomvu, hlaza kwesibhakabkhaka, hlaza kwesibhakabkhaka, rjill</i></p> <p><i>Waka, waka, e, e, waka, waka, e, e.</i></p> <p>Ukusebenzisa izinto eziphathenkako ezzibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Buthelela izinto ezi-3 ezifanako ngetlasini, isib.. Amakhrayoni ama-3 - Buthelela eziyne godu izinto ezi-3 ezifanako ngetlasini, isib.amabhlgo welego ama-3 - Abafundi bazitamela amaphetheni wabo ngokusebenzisa izinto ezimbili, isib. - ikhrayoni linye, ibhlogo leLegolinye, ikhrayoni linye.... - Amakhrayoni amablli, ibhlogo leLegolinye, amakhrayoni amabli, ibhlogo leLegolinye..... - Vumela abafundi bona ballame amaphetheni ngeendlela ezhilukahlukeneko - Batintijane ngezinto zabo nomngani begodu babuyelete umsebenzi loyo. 	<p>Amanothi wokuthadlhula</p> <p>Imsetjenziswa eziphakanyisiweko</p> <p>Isilinganiso sobude besikhathi</p> <p>llanga li-1</p> <p>Amakhrayoni Nanyana ngiziphi izinto</p>

Iveke 13	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokuthadlhula	Imsetjenziswa eziphakanyisiweko	Ilanga li-1 Isilinganiso sobude besikhathi
linhloko	3.3 Ubujamo obubusobibili (2-D) <ul style="list-style-type: none"> Ukuhumbula, ukubona begodu nokubiza amajamo abusobibili 2-D ngetasini ukufaka Ukuqinisa iiwazi elizuwze evekeni yesi 4 lokukhumbua, ukubona begodu nokubiza ngegama -uncantathu <p>Okupathethelene nokusikinyekе komzimba</p> <p>Gwala, nofana usebenzise irobho ukutlama umuda magega nobujamo obukhulu bakancantathu.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Bazombeleze ijamo ngokuqala amatshwayo kancantathu Lokha nabakhambako, vumela abafundi bathi: "Ngikhamba magega noncantathu. Linye, mabili, mathathu amahlangothi, nofana linye, mabili, mathathu amahugu (ama-engele). Utitjhera ukhomba bonyana uncantathu "unamahugu" ama 3 begodu unamahlangothi amathathu. Gwala uncantathu emoyani begodu /nofana esandenii Yakha uncantathu ngebumba. <p>Ukusebenzisa izinto eziphathhekako ezbisusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Ukukhumbula begodu nokubona izinto ngekumbeni yokufundela ezinejamo likancantathu. Ukukhumbula begodu nokubona izinto zemvelo ezinejamo likancantathu Faka imihlolo ehlukahlukeneko ngamasayizi yeendulungu naboncantathu "emgodlaneni ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuzithinta bonyana ubambe ini." Ukubona/ ukuthola uncantathu hlangana namanye amajamo. 	<p>Umdakanofana iderhe yokudlala</p> <p>Into enguncantathu engekumbeni yokufundela begodu nebhodukulweni</p> <p>Yenza amakarada wakho abe nemihlolo emi-5 ehlukahlukeneko yeendulungu, aboncantathu begodu neenkwere kiwo.</p>		

Ivekk 13	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	lilinganiso sobude besikhathi
linhloko	Amanothi wokuthadlhula	lisetjenziswa eziphakanyisiweko
3.3 Ubujamo obubusobubili (2-D)	Ukuhlela izinto ezibusontathu 3-D begodu namajamo abusobubili 2D - Hlela izinto ezhilukahlukeneko ngokuya ngobujamo begodu nangombala.	llanga li-1

Sebenzisa amajamo nofana iinthombe ezipheze ziphathike ezibusobubili (2-D)

Vumela abafundi:

- Ukubona ubujamo bukancantathu eenthonjeni
 - Gwala uncantathu esiquntwini sephepha.
 - Kopa uncantathu ekaradeni onikelwe lona.
 - Gwala irengi uzungelezele zoke iindulungu ephepheni lokusebenzela.
 - Yenza iinthombe ngokusebenzisa aboncantathu ngesikhathi sobuKghwari obuBonakalako.
 - Diala umdialo wamakarada ongezelela othuthukisa ukuqiniswa kwamajamo.
- linthombe okungabonwa kizo
uncantathu
- Imidlalo yamakarada ethuthukisa ukukhumbula amajamo njengokuthi „Kunani ngesikwereni“ Amajamo welLogi, njil.

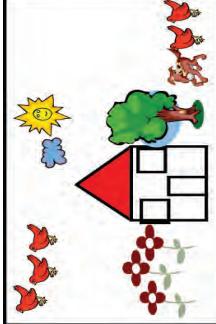
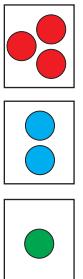
Iveke 14	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokuthadhlula	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
1.1	<ul style="list-style-type: none"> Ukuqinisa ilwazi elizuziweko elifaka hlangana iinomboro ku-3 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 3.</p> <p>Ukubala uye phambili begodu uye emuya ukufika ku-3.</p> <p>Ukubala okungakahaleki 1-7</p> <p>Ukuqinisa imiqondo elandelako: “nengi” begodu “mbadlwana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-3.</p>	<p>lingoma nemidunduzelo yeenomboro.</p>		llanga li-1
	<p>Ukusebenzsa izinto eziphathenkako ezbisontathu (3-D)</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Bathole izinto ezi-3 ezibonvu ngekumbeni yokufundela. - Babumbe inomboro ku-3 ngomdaka - Babumbe ngomdaka iimbholo ezikulu ezintathu - Babumbe ngomdaka iimbholo ezincani ezintathu - Bathole abafundi aba-3 ngekumbeni yokufundela abambethe imibala efanako. 	<p>Izinto ezibovu.</p> <p>Umdaka</p>		

Iveke 14	<p>Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>	
linhloko	<p>1.7 Ukuhlanganisa nokukhupha</p> <p>Amanothi wokuthadhlula</p> <ul style="list-style-type: none"> Ukurarulua nokuhathulula ngomlomo linsombululo zemiraro yamagama (iindatjana zeembala) ezifaka hilangana inomboro ku-3 <p>Zomlomo: Bala izinto zangamalanga ukufika enomborweni ku- 3</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku -3.</p> <p>Okupathethelene nokusikinyeka komzimba</p> <p>limboneic:</p> <ol style="list-style-type: none"> Utitjhera ubizela abafundi aba-2 emadini bese ubiza omunye umfundu godu. Bangaki abafundi utitjhera ababizele emadini? Utitjhera uthi: ku-2 na ku-1 kwerenza ku-3 Kunabantwana abathathu. Umntwana ngamunye ufuna amakhrayoni wakhe. Mangaki amakhrayoni esiwathlogako? Abafundi abathathu bajame ndawonye. Munye wabo uphuma ngekamuunweni. Bangaki abafundi abasele ngekamuunweni. <p>Ukusebenzsa izinto ezipathhekako ezzibusontathu (3-D)</p> <p>limboneic:</p> <ol style="list-style-type: none"> titjhera ubeka izinto zokubala ezi-3 etafulen. Ususa izinto zokubala ezimbili. Zingaki izinto zokubala ezzisele etafulen? Utitjhera uthi ku-3 ukupha ku-1 kukunikela ku-2. UPhethi unabokatsu aba-2 begodu uthole omunye ukatsu o-1 kuBusi. Bangaki abakatsu bakaPhethi nassele baboke? Ku-1 naku-2 → 3. Utitjhera uthi ku-1 naku-2 kukunikela 3 Lokha ukatsu o-1 anomisia mu-1, abokatsu abathathu bazokuba nemisila emingaki neyihangeneko? Ku-1 naku- 1 naku- 1 → 3 	<p>Isilinganiso sobude besikhathi</p> <p>Ilanga li-1</p> <p>linsetjenziswa eziphakanyisiweko</p> <p>Abafundi</p> <p>Izinto zokubala</p>

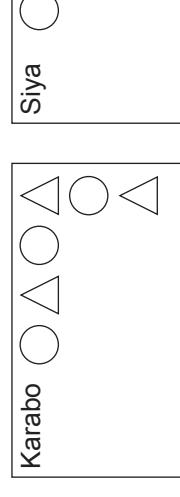
Iveke 14	<p>Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)</p>		
linhloko	Amanothi wokuthadhlula	linsetjenziswa eziphakanyisiweko	lsilinganiso sobude besikhathi
2.1	<ul style="list-style-type: none"> • Ukuqedelela iphetheni onikelwe yona ngezinto ezi-2 <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Vumela abafundi bakope iphetheni yomsikinyeko isib. Yeqa yeqa,yeqa,yeqa,yeqa , yeqa, yeqa - Abafundi baqedelela amaphetheni ngokusebenzia imizimba yabo, isib. Bajame omunye hlanu komunye batintjaniezandla zibe seholoko, izandla zibe seeonyongeni, izandla zibe seholoko, <p>Ukusebenzia izinto eziphathenkako ezbisontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bakope iphetheni yento ethileko, isib. Umncamo, umncamo, ilithi, umncamo, umncamo, ilithi,..... <p>Sebenzisa amajamonofana liinthombe ezipheze ziphathek ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhera unikela abafundi liinthombe ezhlukahlukeneko zezinto ezfanako ezisikelwe safuthi. (Sika liinthombe ngesikhathi semsebenzi wobukghwari obuBonakalako.) - Utijhera uthoma iphetheni begodu abafundi bafanele bakopa iphetheni leyo, isib. isithombe sekofu, setiye, setijukela - Vumela abafundi baqedelele iphetheni ngokugwala: - Ithuthumbo, ikari, ithuthumbo - Indulungo ehlaza kwasibhakabbaka, indulungu ebovu, indulungo ehlaza kwasibhakabbaka 		llanga li-1

Iveke 14	Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owdwa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (\pm 5 imisetjenzana yeeMbalo ngeveke)	Amanothi wokuthadhlula	Isilinganiso sobude besikhathi
linhloko		linsetjenziswa eziphakanyisiweko	
3.2 Izinto ezibusontathu (3-D)	<ul style="list-style-type: none"> Ukuhela begodu nokumadanisa izinto ezibusontathu 3-D begodu namajamo abusobubili 2-D ngokuya rigamatshwayo athileko. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Hlukanisa abafundi ngeenqhema ezi-5</p> <ul style="list-style-type: none"> Uttijhera ubuthelela izinto ezeneleko ukwenzela bona isiqhema ngasinye sikhone ukuzhlela ngokuya okungasenani ngamatshwayo amabili (kungaba kunengi). Nikela isiqhema ngasinye izinto ezinamatshwayo amabili bonyana siawahle. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Bahlele izinto ngokuya ngezinto ezifanako nezhilukileko. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Gcina abafundi esiqhemeni esfanako.</p> <ul style="list-style-type: none"> Madanisa begodu uhlela iinthombe ezihlukahlukeneko ezibuthele elwe ngutijhera, isib. iinthombe zemihlobohiyo yezambatto, ukudla, ifenijhara, iinthuthi, njii Vumela abafundi baqedelele incwadi yokusebenzela emadanisa iinthombe ezimbili, isib. Isiba sokuhlamba amazinyo begodu nebratiji yamazinyo, ivashlabhi begodu nesibha. 	<p>Izinto ezifana na: limpahla ezihlukahlukeneko linthelo ezihlukahlukeneko</p> <p>limbandana zemaplasini zamaplastiki ezihlukahlukeneko</p> <p>Amajamo wejiyomethri ahlukahlukeneko</p> <p>Amabhlogo wokwakha ahlukahlukeneko</p> <p>Izinto ezihlukahlukeneko zemvelo njengamakari, izinti / amalithi, amatje, njii.</p> <p>linkunubhe ezihlukahlukeneko, njii.</p> <p>limvalo zamabhoodiyo zembala ehlukahlukeneko</p> <p>Amakhrayoni ahlukahlukeneko</p> <p>Buthelela iinthombe kibomagezini namaflaya. Ziske uzinamathisele emakaradeni</p>	llanga li-1

Iveke 14 Ubude besiKhathi esipHakanyisiweko: Umsebenzi wetiasi owoawa oheliweko okhokhehiwa ngutijhera (indulungu) ya yat amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	Insetjenzisa ezipHakanyisiweko Amanothi wokuthadhlula 3.1 Ubujamoo, ukujayenza nokubukela	Isilinganiso sobude besikhathi Abafundi Ibhoksi Umfundu ngamunye uhlaa esitulweni. Okupathethlene nokusikinyeka komzimba Umfundi batjenjisa uphezu nongaphasi ngokulandela iinlayelo zikatijhera, isib. Hlala phezu kwebhoksi, laala ngaphasi kwebhoksi nofana kwetafula. Hlala ngaphasi kwetafula. Zirhunyeze ngendlela ongakghona ngayo ngaphasi kwetafula. Jama phezu kwestitulo sakhoo begodu uzilulele phezelu ngokukghona kwakho. Khwela phezu kwetafula begodu jikisa/jinkisa imikhono wenze iindulungu ezikulu/ezincani. Ragela phambili usebenzise ekudlwana/ encazana Beka ibhlogo ehlokweni yakho begodu ukhwele phezu kwetafula. Khettha abafundi abahlanu ngokusebenzisa umdunduzelo wenomboro Hlebelaa umfundu ngamunye isilayelo. o Hlala ubekke izandla zakho ngaphasi kwemilene o Jama ubekke izandla zakho enyongeni o Jama ubekke izandla zakho ngemva kwakho o Hlala ubekke izandla zakho emahlombe o Jama ubekke izandla zakho zivindle ngaphambi kwakho Abafundi bajama ngaphambili lokha isiqhema soke nasihlala emadini. Buza abafundi bonyana: - Umfundu wokuthoma wenzani? (<i>Uhlezj</i>) - Zikuphi izandla zakhe? (<i>Izandla zakhe zingaphasi kwemilenzze yakhe</i>) - Buyelela ngabanye abafundi ngokusebenzisa: lesibili, lesithathu, lesine begodu nelokugcina. - Khettha isiqhema esitija esizokwenza iinlayelo ezifanako. - Khuphela abafundi ngaphandle begodu bavumele batjenjise imiqondo "phezu kwa", "ngaphasi kwa" begodu nongaphezelu ngokuthi bazisunguleie bona ngokwabo.

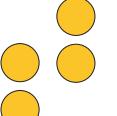
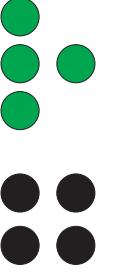
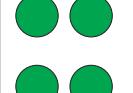
IVEKE YAMA-15	Isikhathi esiphakanyisiweko sokuthintana Umsebenzi wekla owdwa oheliweko okhokhelia ngutijhere (indulungu) imizuzu ema- 30 ngetanga (\pm 5 imisebenzi yeembalo ngeveke.)		
linhloko	Amanothi athhadhlulako	linsetjenziswa eziphakanyisiweko	lsilinganiso sobude besikhathi
1.1	<p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborwei ku-3.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-3.</p> <p>Qinisa imiqondo yokunengi begodu nokumbalwa.</p> <p>Wahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-3.</p>	<p>• Ukuqinisa iwayazi eliziziweko elifaka hlangana iiinomboro 1, 2 naku-3</p> <p>Ukubala okungakahleleki 1-7</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-3.</p>	<p>llanga eli-1</p> <p>Umdunduzelo weenomboro neengoma</p>
Ukubala izinto	<p>Okupathelene nokusikinyeka komzimba</p> <p>Khuthaza abafundi ukuthola:</p> <ul style="list-style-type: none"> - Isitho si-1 somzimba esingasikinyeka ukuya phezelu naphasi , siye ehlangothini linye nangekelinye ngokwaso.isib. ilimu. - Izitho zomzimba ezi-2 ezisetjenzisewa ukweqa isib. Imilenze. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi bathuthukise imiqondo yeenomboro ngoku:</p> <ul style="list-style-type: none"> - Sebenzisa amabhilogo ama-3 ukwakha umbhotjhongo. - Thola izinto ezi-3 ngeklasini ezinombala obovu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Utijhere ugwalla isithombe esibulula.</p> <ul style="list-style-type: none"> - Utijhere ubuza umbuzo ophathelene nenani lezinto ezisestithombeni isib. Mangaki amafesdere owabonako njii. 	<p>Imizimba yabafundi</p> <p>Ukuvuma nokulingisa ingoma isib.. Bebabathathu embhedeni begodu.....</p> <p>Imidunduzelo yokubala, isib kune kubii, Bopha inyathelo lami.</p> 	<p>Amabhilogo</p> <p>Izinto ezibovu</p> <p>llanga li-1</p>
1.2	<p>Ukubala uyephambili nemuva</p>	<p>• Sebenzisa inomboro 1, 2 naku 3 ebujameni obujayelekileko.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborwei ku-3.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-3</p> <p>Qinisa imiqondo yo "kunengi" kunye no "Kumbalwa".</p> <p>Wahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-3.</p> <ul style="list-style-type: none"> - Khuthaza abafundi bona bakhumbule ngehioko iiinomboro zabo zendlu kune nesiphande sesitradeni. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Fune iinthombe ezineenomboro ku-1, 2 naku 3 kibomagazini begodu nakumafaya begodu uzinamathisele ephepheni (Hlanganisa nobukghwari obuBonakalako) - Metjisa inani lezinto nenani lamaqhatjhazi akumafejhikarada. - Khomba ikarada elineqatjhazi. Abafundi balahela inani elilinganako lemigoda yamabhortjisi ngaphakathi kwebhoksi. - Diala umdialo webhodi. "Yeenyoka kune namalere" begodu namadomino. 	<p>lingoma nemidunduzelo yeenomboro</p> <p>Amamagazini, iinkhangiso.</p> <p>Amafejhi karada anamaqatjhazi.</p>  <p>Imigoda yeembhontjisi "Inyoka kune namalere"</p> <p>Amadomino.</p> <p>llanga li-1</p>

IVEKE YAMA-15		Isikhathi esiphakanyisiweko sokuthintana Umsebenzi wekla owdwa oheliweko okhokhewa ngutijhere (indulungu) imizuzu ema- 30 ngetanga (\pm 5 imisebenzi yeembalo ngeveke.)	
linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
Tjheja:	linomboro zisizombieleze lapho sikhona: <ul style="list-style-type: none"> - Indlu enye nenyne inenomboro - Soke sineenomboro ezhilukeneko zomtato. - Sibona linomboro emafesedereni weentolo. - Sibona linomboro emikhizizweni ehlukeneko nasithengako. - Sibona linomboro eenkloyini. 	1.4 <ul style="list-style-type: none"> • Hlala begodu umadanisa izinto ezibutheleleweko ngokusebeniza “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika a enomborweni ku-3 Okuphathelene nokusikinyeka komzimba. Bizela abafundi aba-3ngaphambili. Bavumele bahlae ngendulungu. <ul style="list-style-type: none"> - Vumela abafundi ababili bajame/baskime . Bangaki abahleziko? Babale. Bangaki abajamilleko? Babale. Ngiliphi inani elinenci/elincani khulu - Vumela abafundi abathathu bajame. Babale. Ngiliphi inani elinengi /elinengi khulu. Vumela omunye godu ajame. Babale. Kghani inani labafundi abahleziko lidlula inani labafundi abajamilleko? - Buyelela ngeenomboro ukusuka keyoku-1 ukufika keyesi-3. - Bala abantazana. Bala abesana. Ngabe inani labesana lidlula labentazana? Ukusebeniza izinto eziphathnekako ezibusontathu (3-D) Hlukanisa abafundi ngeenqhema ezi 5 Nikela esinye nesinye isiqhema isiquntu sentambo/wulu \pm 5 yezinto. Abafundi bakha isidleke ngewulu.	Ilanga li-1
		<ul style="list-style-type: none"> - Utijhere uhlebelia isiqhema ngasinye asibawa bona sakhe linqhema zezinto ezi-3 namkha ezi-2 namkha si-1 “eendlieken” zabo. - Abafundi kufanele babone bona ngisiphi isiqhema esinezinto ezidilua ke-1. - Ngisiphi isiqhema esinezinto ezincani kunezii-3? - Ngisiphi isiqhema esinenani elliganganako lezinto? 	Intambo Izinto ezi-5 esiqhemeni ngasinye

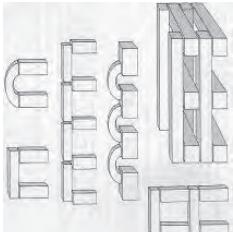
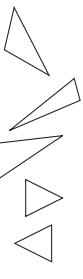
IVEKE YAMA-15	Isikhathi esiphakanyisiweko sokuthintana Umsebenzi wekasi owdwa oheliweko okhokhelia ngeutjhere (indulungu) imizuzu ema- 30 ngelanga (± 5 imisebenzi yeembalo ngeveke.)	linhloko	Amanothi atthadhulako linsetjenziswa eziphakanyisiweko	Ilanga li-1 Isilinganiso sobude besikhathi
2.1 Amaphetheni wejyomethri	<ul style="list-style-type: none"> Kopulula begodu uzalise/uqedelele iphetheni enikelweko ukuya ngemibala, obovu, onlaza kwesibhakbhaka, osarulani. <p>Okuphathelene nokusikinyeka komzimba.</p> <ul style="list-style-type: none"> Utitjhore ulingisa iphetheni ethileko. Uyayibuyeteela godu agcine igido lsib. <ul style="list-style-type: none"> Wahla, thwahla (imino), wahla, thwahla Thwahla, wahla, gida, thwahla, wahla ,gida. Wahla, thwahla, thwahla, wahla, thwahla, thwahla. <p>Ukusebenzisa izinto eziphathhekako ezibusonathu (3-D)</p> <p>Utitjhore unikela omunye umfundi izinto zokubalanofana iimvalo zamabhdhelo ezi-3 ezibovu, nezi 3 ezhilaza kwesibhakbhaka begodu nezi 3 ezsarulani.</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> Kope iphetheni enikelweko ephethenini katitjhore isib. bovu, bovu, haza kwesibhakbhaka, sarulani, sarulani.(Buyelela amahlandia ambadlwana ngephetheni ehlukileko) Qedeleta / Zalisa iphetheni enikelweko isib.ehaza kwesibhakbhaka, esarulani ebouv.....(Buyelela amahlandia ambadlwana ngephetheni ehlukileko.) Vumela abafundi bahlukanise izinto zokubala ukuya ngemibala emithathu ehlukeneko. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphattheke ezbisusbibili (2-D)</p> <ul style="list-style-type: none"> Nikela umfundi omunye nomunye isiqintwana sephepha. Vumela abafundi bona bazalise/ baqedelele amaphetheni wezinto zobujamo obubusobubili njengomkhawulo. Zalisa / qedeleta isithombe ngesikhathi sobuKghwari obuBonakalako ngokugwala isithombe phakathi. 	<p>Siya</p> 	<p>Omunye nomunye umfundi iphepha le A4.</p> <p>Amakhrayoni.</p>	

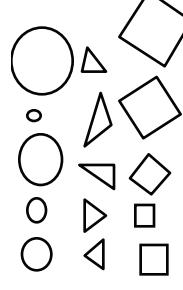
IVEKE YAMA-15 Isikhathi esiphakanyisiweko sokuthintana Umsebenzi wekla owdwa oheliweko okhokhewa ngutijhere (indulungu) imizuzu ema- 30 ngetanga (\pm 5 imisebenzi yeembalo ngeveke.)			
Inhloko	4.2 Ubude	Amanothi athhadhulako	Isilinganiso sobude besikhathi
<p>4.2 Ubude</p> <p>Madanisa begodu uholele ngokuphathekako izinto ngokusubenzisa ilwazi magama elifaneleko ukuhlathulula ubude</p> <ul style="list-style-type: none"> - ede, efitjhani, - edanyana, efitjhazana - ede khulu, efitjhani khulu. <p>Okuphathelene nokusikinyeka komzimba.</p> <ul style="list-style-type: none"> - Vumela umfundi munye abhambalale phasi begodu boke abanye abafundi babeke amabhlogo ngokulandelana emaqadi womzimba wakhe. - Utijhere ubawa iklasa/sighnema ukwakha enye nenyе into efitjhani kunomngani wabo namkha ede kunomngani wabo. <p>Vumela abafundi ukuthola:</p> <ul style="list-style-type: none"> - Ngisiphi isakhiwo esidanyana? - Ngisiphi isakhiwo eside khulu? - Ngisiphi isakhiwo esifitjhazana? - Ngisiphi isakhiwo esifitjhani khulu? <p>Vumela abafundi bahlele imihlobohlobo yamamatheriyali:</p> <ul style="list-style-type: none"> - Ukusuka kede khulu ukufika kefitjhani khulu. - Ukusuka kefitjhani khulu ukuya kede khulu. - Vumela abafundi bamadanise ubude bezinto ezhlukeneko. <p>Utijhere unikela abafundi iinquntu zewula namkha intambo. Khuthaza abafundi bona balinganise ngaphambi kokumeda.</p> <p>Vumela abafundi bamede:</p> <ul style="list-style-type: none"> - linhloko zomunye nomunye. - linyawo zomunye nomunye. - lingogoriyana zabo. - linhlakala zabo. 	<p>Isilinganiso sobude besikhathi</p> <p>Ilanga li-1</p> <p>Ambabhlogo wokwakha.</p>		
<p>Intambo Irobho Imittetlana yamamatheriyali.</p> <p>Amakhrayoni wobude obuhlukeneko.</p> <p>Iwula namkha intambo</p> <p>Abafundu</p> <p>Vumela abafundi bamede:</p> <ul style="list-style-type: none"> - linhloko zomunye nomunye. - linyawo zomunye nomunye. - lingogoriyana zabo. - linhlakala zabo. <p>Vumela abafundi bamadanise ubude obuhlukeneko ngokugqala bona ngiyiphi intanjana / umtletle omudde namkha omfitjhani isib. Umtletle wokulinganisa ihloko mude kunomtle wokulinganisa isihlakala sami.</p> <p>Vumela abafundi bathole bona inlinganiso zabo bekungezinembako na</p>			

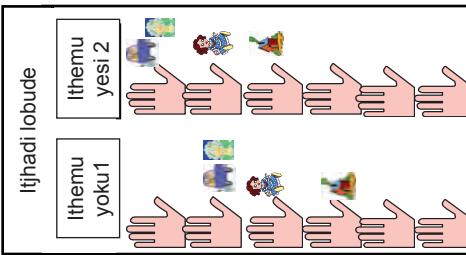
IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)		
Iinhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukwethula ihlathululo yenomboro ku-4 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4. Ukubala okungakahleleki 1-7 <p>Qinisa imiqondo “yokunengi” begodu “nokumbalwa”. Wahlia izandla amahlandia amanengi. JAMA Ukuwahlia izandla amahlandia ambadiwana. Utijhera uwahlia izandla bekube ka-4.</p> <p>Okuphatheleene nokusikinyeka komzimba.</p> <p>Vumela abafundi uku/ u:</p> <ul style="list-style-type: none"> - Sikinya ihloko zabo amahlandia ama-4. - Kwerza inomboro ku-4 ngokusebenzisa imizimba yabo. Abafundi bayakhetha bona bangaki abantwana ababafunako/ ababathlogako. - Abafundi bavala amehlo wabo.Utijhera uqoqoda itafula amahlandia ama-4. Bavula amehlo wabo begodu batijo nokobana bezwe kuqoqodwa kangaki. Buyelela ngeenomboro uku-1 ukufika ku-4. 	lingoma nemidunduzelo yokubala Imizimba yabatundi	llanga li-1

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	linhloko	Amanothi athadhlulako	Isilinganiso sesikhathi
1.1	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi uku/ u:</p> <ul style="list-style-type: none"> - Kwenza inomboro -4 ngehlama yokudala. - Thola abangani abane abambethe ananyathelo - Thola izinto ezi-4 eziyindulungu. - Bopha amehlo wabafundi begodu ubavumele ukubona iinomboro ku-1 ukufika keye-4 ngokuzwa/ngokugadangja umthala wamakarada weenomboro ezmakghwakghwa. - Bathuthukise ilemuko lokuthi inomboro ihlala injal noma ungayiamiselela ngento enjani, ngokuvumela abafundi babeke izinto zokubala ezinenofana ezinye izinto ngeendlela ezihlkahlukenko, isib.    	<p>linsetjenziswa eziphakanyisiwekonyulwako</p> <p>Iderhe yokudala. Izinto ezindulungu. Yenza isede yamakarada weenomboro amakghwakghwa ngokusika ukhiphe iinomboro kusani phepha begodu azinamathisele phezu kweentokana zamabhodi. Lokha nawunamathisela amakarada lawo, abafundi bangawasebenzisa ukwakha inomboro ngebumba phezu kwekarada.</p> <p>Izinto ezi-4 zokubala namkha izinto ezi-4 zinkelwa umfundi ngamunye</p> 	<p>Isithombe sento 4</p> <p>Amamagazini, amafaya, iinkhangiso Iphepha le A4 Kunye nesinamathiseii.</p>	

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	Amanothi athadhlulako Isilinganiso sesikhathi
linhloko	1.4	• Sebenzisa inomboro ku-4 ebujameni obujayelekileko. - Inomboro ku-4 ikwenza ucabange ngani? Imodere - amavilo amane Isitulo - imilenze emine Inja - iindladla ezine Itafula - imilenze emine - Ukuthuthukisa ukukhumbula, khuthaza abafundi bona bakhumbule ngehloko iinomboro zabo zendlu kunye nesiphande sesitradeni.
		<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Banikele ithuba lokudlala umdlalo wamakarada weenomboro akhona ngettasini lakkho. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezbusobubili (2-D)</p> <ul style="list-style-type: none"> - Tjengisa ikarada letshwayo lenomboro ku-4 <p>Dlala imidlalo efana ne:</p> <ul style="list-style-type: none"> - Nangabe inomboro yendlu yekhenu no-4 , wahlha amahlandla ama-4. - Thola umngani ngettasini onenomboro yendlu efana neyakho. (Abafundi babuza abanganibabo iinomboro zezindlu zemakhabo.) - Ngubani inomboro yakhe ingaphezulu kwaka ku-4? - Tjengisa abafundi iflejhi karada elinamaqatjhazi amane. - Ukubona iflejhi karada elineenthombe ezine kilo.

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiwekonyulwako	lsilinganiso sesikhathi
3.2	<ul style="list-style-type: none"> Ukuholia ikghonakalo /okungenzeka ngamabhlago wokwakha. <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Sebenzisa nanyana ngimaphi amabhlago amane ukwakha umakhiwo. - Yakhya isakhiwo esinamabhlago ama-3 ukuya phezulu begodu namabhlago ama-5 avundlako. - Sebenzisa amabhlago amanengi ngokuthanda kwabo ukwakha isitimela - Ukubona bona ngubani owakhe isitimela eside khulu. - Yakha umbhotjhongo ophakeme (ojame rwe) - Yakha umakhiwo osipara isib.indlela namkha indlu (ethabaleleko) - Ukubona bona ngubani owakhe umbhotjhongo ophakeme khulu. - Nikela amabhlago wokwakha ngesikhathi sokudala ngokutjhaphuluka ngendlini ukwenzela bona abafundi baragele phambili ukuhiola amabhlago wokwakha. 		<p>Amabhlago wokwakha isib.</p>		llanga li-1
3.3	<ul style="list-style-type: none"> Ukuthuthukisa ikghono lokuhukanisa llangana namajamo ebbodulukweni, ngokungatjheji isayizi,nofana isayizi ye-engeli. Ukungatjhugulli ijamo. (ubujamo buhlae bunjalo) <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi ukuba ngeenqhemza zangaba-3:</p> <ul style="list-style-type: none"> - Babhambale phasi benze uncantathu ngemizimba yabo. Ytijo ebafundini bona nanyana uncantathu wesinye nesinye isiqhema iqaleka ihukile , ijamo lakancantathu lhlala linjalo. - Utitjhore ugwalla eflurwini/ phasi aboncantathu abahlukeneko isib. 		<p>Khettha kwaphela munye umsebenzi ophathelene nesikinyo lomzimba, okuphathekako kumye nekupheze kuphatheke.</p>	<p>Abafundi</p>	llanga li-1

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	
linhloko	Amanothi athadhlulako	Isilinganiso sesikhathi
3.3 Ubujamo obubusobubili (2-D)	<p>Amanothi athadhlulako</p> <p>- Sebenzisa iingojiwana ukwenza umuda ofijigamileko.</p>  <p>- Sebenzisa iingojiwana ukwenza umuda omazombezombe.</p>  <p>- Yitjho bona aboncantathu babafundi abafani khulu kodwana woke amabumbeko kusese ngewakancantathu.</p>  <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Utitjhore ugala iindulungu, aboncantathu begodu neenkwere ezi-5 phezu kweflesjhi karada isib.</p>  <p>Utitjhore uhlukanisa abafundi ngeendhema.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Ukukhumbula amafletjhi karada waboncantathu hlangana namanye amabumbeko. 	<p>Isilinganiso sesikhathi</p> <p>linsetjenziswa eziphakanyisiwekonyulwako</p> <p>Amakarada aaneendulungu, aboncantathu, begodu neenkwere ezi-5 ezhuhukeneko phezu kwavo.</p>

IVEKE YE-16	<p>Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)</p>	<p>Amanothi athadhlulako</p> <p>Ukumaddanisa begodu uhlele izinto gokuphathekako usebbenzise ilwazimagama elifane leko ukuhlathulua ubude.</p> <ul style="list-style-type: none"> - ubude, ubufitjhani, - okudanyana, okufitjhazana, - okude khulu, okufitjhani khulu, - fitjhani, fitjhazana ,fitjhani khulu. - Okude ,okudanyana, ,okude khulu. <p>• Qinisa imiqondo yobude.</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Hlolau ubude ngokumadanisa izinto enye neny. - Ukubona bona ngiyiphi into ede khulu begodu nento effitjhani khulu. - Madanisa ubude babafundi ababili begodu ubone bona ngimuphi umfundii omfitjhani begodu ngimuphi omude. - Madanisa ubude babafundi abangaphezu kw ababili begodu ubuze imibuzzo efana nokuthi:"Ngimuphi umfundii omfitjhani khulu, begodu ngimuphi umfundii omude khulu". - Utitjhore umeda abafundi godu ngokusebenzisa itjhadi lobude elisethemini yokuthoma. - Utitjhore uzokutjhiya amarekhodo wethemu egadungileko/izandla ezinamatshwayo / iinthombe zabafundi.)jukuze bakghone ukumadanisa iimlinganiso ezimbili. - Abafundi bathola bona bakhule kangangani kusukela ngethemu egadungileko. - Ngubani ongakhenge akhule nakancani? - Ngubani okhule khulu emva kwethemu yokuthoma ?Isib. <ul style="list-style-type: none"> o USipho ukhule ngobude besanda snye. o Ubude baka Abby buhleli bunjalo. 	<p>Isilinganiso sesikhathi</p> <p>Ilanga li-1</p> <p>Isinetjenziswa ezipifikanyisiwekonyulwako</p> 
linhloko	<p>4.2</p> <p>Ubude</p>	<p>Ukumaddanisa begodu uhlele izinto gokuphathekako usebbenzise ilwazimagama elifane leko ukuhlathulua ubude.</p> <ul style="list-style-type: none"> - okudanyana, okufitjhazana, - okude khulu, okufitjhani khulu, - fitjhani, fitjhazana ,fitjhani khulu. - Okude ,okudanyana, ,okude khulu. <p>• Qinisa imiqondo yobude.</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Hlolau ubude ngokumadanisa izinto enye neny. - Ukubona bona ngiyiphi into ede khulu begodu nento effitjhani khulu. - Madanisa ubude babafundi ababili begodu ubone bona ngimuphi umfundii omfitjhani begodu ngimuphi omude. - Madanisa ubude babafundi abangaphezu kw ababili begodu ubuze imibuzzo efana nokuthi:"Ngimuphi umfundii omfitjhani khulu, begodu ngimuphi umfundii omude khulu". - Utitjhore umeda abafundi godu ngokusebenzisa itjhadi lobude elisethemini yokuthoma. - Utitjhore uzokutjhiya amarekhodo wethemu egadungileko/izandla ezinamatshwayo / iinthombe zabafundi.)jukuze bakghone ukumadanisa iimlinganiso ezimbili. - Abafundi bathola bona bakhule kangangani kusukela ngethemu egadungileko. - Ngubani ongakhenge akhule nakancani? - Ngubani okhule khulu emva kwethemu yokuthoma ?Isib. <ul style="list-style-type: none"> o USipho ukhule ngobude besanda snye. o Ubude baka Abby buhleli bunjalo. 	

Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahliwa ngutitjhhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yembalo ngeveke	linhloko	Amanothi athadilhulako	insetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
1.1	<ul style="list-style-type: none"> Qinisa ilwazi elluziweko lehathululo yenomboro ku-4 <p>Zomlomo:Ukubala izinto zangamalanga ukufika enomborweni ku-4.</p> <p>Ukubala uye phambili begodu uye emuya ukufika ku-4.</p> <p>Qinisa imiqondo “yokunengi” kunye “nokumbalwa”.</p> <p>Wahla izandla amahlandia amanengi. JAMA</p> <p>Ukuwahla izandla amahlandia ambadlwana. Utitjhera uwahla izandla bekube ka-4.</p>			<p>lingoma nemidunduzelo yeenomboro.</p> <p>lingoma nemidunduzelo yeenomboro.</p>	llanga li-1
	<p>Okuphathele ne nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> Gadangisa umthlala wenomboro ku-4 emoyeni ngokusebenzia umuno.. Vuma ingoma isib : ‘Amabhdiele ahlaza amane alenga ebodenii....’ Jika mazombe amahlandia ama-4. <p>Ukusebenzisa izinto eziphatnekako ezbisontathu (3-D)</p> <p>Vumela abafundi ukuthuthukisa umqondo wenomboro ngoku:</p> <ul style="list-style-type: none"> Gwala inomboro ku-4 esandenii. Thola izinto ezi-4 zobujamo obubusontathu 3-D ezingagedeka. Ukwakha amaphazeli neentokana ezi-4. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathike ezbisobubili (2-D)</p> <ul style="list-style-type: none"> Utitjhere ukhetha amafletjhi karada amane wamagama. Utitjhere umeruzisa igama begodu emva kwalokho isithombe sethoyisi namkha isilwana. Umfundu ekumeruziswe igama lakhe wenza itjhada elifana nelensiwe yithoysi. Buyelela kufika kumeruziswa womane amagama. Buza bonyana magama waqbafundu amangaki engiwameruzisileko? Ubone iinthombe zamathoysi/iinlwana ezingaki? 		<p>Ithreyi esipara yokubhagja/ibhoksi elinehlabathi</p> <p>Izinto zobujano obubusontathu obungagedeka.</p> <p>Amaphazeli weentokana ezi-4.</p> <p>Ikarada elinesithombe sethoyisi</p> <p>Amakarada anesithombe sesilwana.</p>		

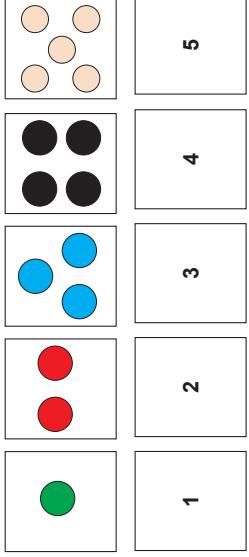
iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	insetjenziswa eziphakanyisiweko
1.3 Amatshwayo weenomboro namabizo weenomboro	<ul style="list-style-type: none"> Ukwazi amatshwayo weenomboro begodu nokukhumbula igama lenomboro ku-4 <p>Zomlomo:Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4.</p> <p>Qinisa imiqondo “yokunengi” kunye “nokumbalwa” .</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utitjhera uwahla izandla bekube ka-4.</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <ul style="list-style-type: none"> Tiola inomboro kune emoyeni, phasibegodu nemgogodlhweni wormganakho. Phakamisa imino emine. Utitjhore ubetha isigubhu, isigubhu nasithulako, abafundi babumba iinqhema zangabane. <p>Sebenzista amajamo nofana liinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Tjengisa abafundi ifletjhikarada elinetshwayo lenomboro ku-4. Ukubona igama lenomboro effetjhikaradeni lenomboro. Hlobanisa igama lenomboro nenani elifanako lenomboro yezinto. 	Isilinganiso sesikhathi llanga li-1 lingoma nemidunduzelo yeenomboro <div style="border: 1px solid black; padding: 2px; display: inline-block;">4</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">kune</div>

iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko 1.7 Ukuhlanganisa nokukhupha	<p>Amanothi athadhlulako</p> <p>• Ukurarulua begodu uhlathulule iinsombululo zemiraro yeembalo zamagama ngomlomo (iimbalo zendatjanajezfaka hilangana inomboro ku-4).</p> <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <p>limboneko:</p> <ol style="list-style-type: none"> 1. Utijhere ukunikela amabhlogo ama-2 begodu unamanye amabhlogo ama-2. Mangaki amabhlogo osele unawo nasele awoke? 2. Lokha uneendulungu ezi-2 ezhilaza kwestibhakabhabka begodu unendulungu ezi-2 ezibovu, zingaki iindulungu onazo nasele zizoke? 3. USipho unamakhayoni ama-4 begodu UJoyi unekhayayoneli-1. Ngubani onamakhayoni amanengi? 4. Lokha ujodi anabonompopi aba-4 begodu alahlekewa ngunompopimu-1, uzakusala nabonompopi abangaki? <p>Hlukanisa abafundi ingeenqhema.</p> <ul style="list-style-type: none"> - Nikela isiqhema ngasinaye iwobhu lezinto isib. Amapensela, amakhayoni, amakopi, amajamo. Vumela abafundi babelane ilunga ngalinye esiqhemeni izinto ebazinukeilleko (kunye nakunye okukhambelanako). - Buzu imibuzo efana nalo.” Zikhona eziyne izinto eziseleko na? - (Utijhere kufanale aqinisekise bona kunezinto ezinengi kunenani labafundi esiqhemeni.(Susa izinto ukutjiengisa godu ukwabelana ngokulinganako) 	 <p>Isisetjenziswa eziphakanyisiweko</p> <p>llanga li-1</p> <p>Amabhlogo Amakhayoni lindulungu ezhilaza kwestibhakabhabka begodu nezibovu Abonompopi</p> <p>Izinto ezaneleko (yinye umfundu ngamunye)ezifana namapensela, amakhayoni, amakopi, amajamo</p>

Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Amanothi athadhlulako <ul style="list-style-type: none"> Hlela begodu umadanisa izinto ezibutheleleko ngokusebenzisa “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni yesi-4 <p>Hlukanissa abafundi ingeenqhema.</p> <ul style="list-style-type: none"> Uttijhere unikela isiqhema ngasinye izinto zokubala ezi-4 begodu neentokana ezimbili zewula. <p>Vumela iinqhema uku/ u:</p> <ul style="list-style-type: none"> Ulkwakha iindulungu ezimbili (amasede) ngewulu. Ngokullandela imiyalo katitjhore, babeka izinto zokubala esedeni ngayinye. Amalunga wesiqhema ayattheja bona ngiyiphi isede enezinto zokubala ezinengi kunenye. (ezinengi kuna). Ngiyiphi indulungu enezinto zokubala ezimbawla kune? (ezincani kuna) Ngiyiphi indulungu enenai lezinto zokubala ezilingana neny? (okulingana na) <p>Sebenzisa amajamonofana liithombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlela isede yamakarada weenthombe ngendlela ehlekileko.isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sento yi-1</td><td style="text-align: center;">Isithombe sezinto ezi-2</td><td style="text-align: center;">Isithombe sezinto ezi-3</td><td style="text-align: center;">Isithombe sezinto ezi-4</td></tr> </table> <p>Hlela isede yamakarada wamaqtjhazi ngendlela ehlekileko.isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;"></td></tr> </table>	Isithombe sento yi-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4					Isilenganiso sesikhathi llanga li-1 wula/intambo Izinto zokubala ezi-4
Isithombe sento yi-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4								
1.4	<p>Ukuhlathulula, ukumadanisa nokuhela inomboro ngokuphelleko</p> <ul style="list-style-type: none"> Hlela begodu umadanisa izinto ezibutheleleko ngokusebenzisa “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni yesi-4 <p>Hlukanissa abafundi ingeenqhema.</p> <ul style="list-style-type: none"> Uttijhere unikela isiqhema ngasinye izinto zokubala ezi-4 begodu neentokana ezimbili zewula. <p>Vumela iinqhema uku/ u:</p> <ul style="list-style-type: none"> Ulkwakha iindulungu ezimbili (amasede) ngewulu. Ngokullandela imiyalo katitjhore, babeka izinto zokubala esedeni ngayinye. Amalunga wesiqhema ayattheja bona ngiyiphi isede enezinto zokubala ezinengi kunenye. (ezinengi kuna). Ngiyiphi indulungu enezinto zokubala ezimbawla kune? (ezincani kuna) Ngiyiphi indulungu enenai lezinto zokubala ezilingana neny? (okulingana na) <p>Sebenzisa amajamonofana liithombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlela isede yamakarada weenthombe ngendlela ehlekileko.isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sento yi-1</td><td style="text-align: center;">Isithombe sezinto ezi-2</td><td style="text-align: center;">Isithombe sezinto ezi-3</td><td style="text-align: center;">Isithombe sezinto ezi-4</td></tr> </table> <p>Hlela isede yamakarada wamaqtjhazi ngendlela ehlekileko.isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;"></td><td style="text-align: center;"></td></tr> </table>	Isithombe sento yi-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4					<ul style="list-style-type: none"> Buza imibuzo efana nokuthi “Ngiliphi ikarada elinezinto/amaqtjhazi amanengi? Ngiyiphi inomboro enengi kunakubili njii? 	
Isithombe sento yi-1	Isithombe sezinto ezi-2	Isithombe sezinto ezi-3	Isithombe sezinto ezi-4								

iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi						
5.1 Ukubuthelela nokuhleia izinto ngemihlobo	<ul style="list-style-type: none"> Thuthukisa indela yokuphatha idathha. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Vumela abafundi babuthelele iingojwana ezili -9. Hlela iingojwana ngokuya ngobuncani begodu nobukhulu besayizi <p>Gwala igrifu ukubonisa idathha</p> <p>Sebenzisa amajamo nofana lienthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Yenza igrifu yeenthombe geengojwana. Abafundi bapaka iingojwana phezu kwegrafu yeenthombe ngokuya ngesayizi .okutjho .ukuthi ubuncani nobukhulu. 			<p>Abafundi benza ibuthelele labo leengojwana</p> <p>Incwadi yokusebenzela yegrafu yeenthombe. Utijhere uzokutiamela umfundi ngamunye iphepha le-A4 ellinamakholomu afaneleko.</p> <table border="1"> <tr> <td>lingojwana ezincani</td> <td>lingojwana ezikulu</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>3</td> </tr> </table>	lingojwana ezincani	lingojwana ezikulu			5	3	llanga li-1
lingojwana ezincani	lingojwana ezikulu										
5	3										
5.2 Ukujamiselela ibuthelelo lezinto elihlelekileko											
5.3 Coca bewubike ngokuhlela kwezinto ezibuthelweko				<p>Ukufunda begodu urhumutjhe igrifu.</p> <ul style="list-style-type: none"> Khulumma ngemiphumela ngokubuza imibuzo isib. Zingaki iingojwana ezincani ezikhona lapha? Zingaki iingojwana ezikulu ?Ngiziphi ezinengi khulu/ezincani khulu ? 							

lveke ye- 18	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).		
linhloko	Amanothi athadhlulako • Qinisa ilwazi elizuziweko okufaka hlangana iinomboro 1, 2, 3, na ku-4. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuya ukufika ku-4. Ukubala okungakahleleki 1-7	linsetjenziswa ezinyulwako lingoma nemidunduzelo yeenomboro.	llanga li-1
1.1	Qinisa imiqondo “yokunengi” kunye “nokumbalwa” . Wahlia izandla amahlandla amanengi. JAMA Ukuwahlia izandla amahlandla ambadiwana. Utijhera uwahlia izandla bekube ka-4. Okuphathelene nokusikinyeka komzimba. Vumela abafundi Uku /u: Let the learners: - Gadangise umthial wenomboro ku-1 emoyeni ngokusebeniza imino yabo. - Abafundi bathinte iinhloko zabo kabil. - Lotjhisan/ bambane ngezandla nabafundi aba-4 abahlukeneko. - Bopha amehlo wabafundi begodu bavumele bathole iinomboro ku-1 ukufika ku ku-4 ngokuzweela /ngokulandela umthiala wamakarada weenomboro amakghwakghwa.	lthreyi/bhoksi elinesanda Isede yamakarada weenomboro amakghwakghwa/aphathhekako.	llanga li-1
1.11	Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D) Vumela abafundi uk: - Gwala inomboro ku-1 esandenii - Thola izinto ezi-3 ezifanako. - Yeqe yeqa endaweni yinye amahlandia ama-2. (kabili) - Yakha amaphazeli aineetokana ezi-4 ukuya ngaphezulu . • Ukukhumbula begodu nokubona iinhamvu zemali yeSewula Afrika Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D) - Yenza abafundi bailemuke iinlwana ezhilukeneko begodu neenthombe zeentjalo phezu kwehamvu elinye nelinye llemali. - Imali ingasetjenziswa ehugwini yamaKghono wePilo lapho abafundi bangadalla istolo. - Ngokudlala abafundi bavezwaa eenhamvini ezhilukeneko zemali	limhamvu zemali, 5c, 10c, 20c, 50c, R1,00, R2,00 begodu ne R5,00 (Imali yokudlala namkha imali yamambala)	llanga li-1

lveke ye- 18	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekłasini ohleliweko ohlahliwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).	Amanothi atlhadhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
linhoko	<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p> <ul style="list-style-type: none"> Ukuhlela begodu umadanisa izinto ezibutheleleko ngokusebeniza “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni ku-4 <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Utitjhore unikela ilunga elinye nelinye lesiqhema inani elithieko lamakhrayoni. Amalunga wesiqhema kufanele athole bona ngimuphi umfundi onamakhrayoni amanengi ukudula abanye abafundi Ngimuphi umfundi onamakhrayoni ambalwa kunabanye abafundi? Ngibaphi abafundi abanenani ellilinganako lamakhrayoni? <p>Sebenzista amajamo nofana liinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Hlela isede yamakarada weenomboro afaka hlanguana inomboro ku-1 ukufika ku ku-5 ngendlela ehlelekiko.isib.  <p>Iqatjhazi begodu namakarada wamatshwayo weenomboro.</p> <ul style="list-style-type: none"> Buza imibuzo efana nalo: Ngiliphi ikarada elinezinto/amaqatjhazi amanengi? Ngiyiphi inomboro ekulu kunaku-2? njil. 	<p>llanga li-1</p> <p>Amakhrayoni</p>		

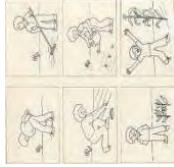
Iveke ye- 18	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeveke).	Isilinganiso sesikhathi
linhloko	<p>Amanothi athadhlulako</p> <p>2.1 Amaphetheni wejiyomethri</p> <ul style="list-style-type: none"> • Ukukopulula begodu nokuzalisa/ ukqudedelela iphetheni onikelwe yona yeenthlamvu zemali. <p>Kopulula iphetheni onikelwe yona.</p> <ul style="list-style-type: none"> - Utijhere uhiela iphetheni ngokusebenzisa "imali yokudiala" Isib. 5c, 5c, 5c, 10c, 10c, 10c, 20c, 20c, 20c <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Kopulula amaphetheni ambadtswana enziwe ngutitjhere. <p>Zalisa / qedeleta iphetheni onikelwe yona.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Zalisa / qedeleta amaphetheni ambadtswana enziwe ngutitjhere.isib. <ul style="list-style-type: none"> o 5c, 5c, 10c, 10c,..... o 5c, 10c,..... o 10c, ,20c.....,njil. 	<p>linsetjenziswa ezinyulwako</p> <p>Imali' yokudiala namkha imali yamambala (5c,10c, 20c)</p> <p>llanga li-1</p>

Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wek拉斯ini ohleliweko ohlahliwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).			
linhloko		Amanothi wokuthadhlula	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.1	<p>Qinisa ilwazi elizuziweko okufaka hlangana iinomboro 1, 2, 3, na ku-4.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweli ku-4.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-4.</p> <p>Ukubala okungakahleleki 1-7.</p> <p>Qinisa imiqondo “yokunengi” kunye “nokumbalwa”.</p> <p>Wahlia izandla amahlandla amanengi. JAMA</p> <p>Ukuwahlia izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-4.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Utijhere uphakamisa ikarad elinetshwayo lenomboro ku-3 begodu athi kubafundi.</p> <ul style="list-style-type: none"> - Ngifuna inani elingaka labesana. - Uphakamisa inomboro yesi-2 athi, Ngifuna inani elingaka labentazana. - Bakha iinqhema za(aphakamise inomboro yesi-2). - Buyelela umsetjenzana ngamakiarada afaka hlangana inomboro 1-4. 	<p>lingoma nemidunduzeloyeenomboro</p> <p>Amakarada warmatshwayo wenomboro afaka hlangana inomboro yoku-1-4</p> <p>Isib.</p> <p>3</p>	llanga li-1	
1.16	<p>limbalo zehloko</p> <p>Utijhere uphakamisa ikarada elinenomboro ku-3 begodu abuze abafundi:</p> <ul style="list-style-type: none"> - Ngiyiphi inomboro le ? - Ngiyiphi inomboro eza ngaphambi kwenomboro ku-3? - Ngiyiphi inomboro eza ngemva kwenomboro ku-3? - Buyelela ngeenomboro 1-4 - Ungangbonisa ikarada lesithombe elinenani elilingana nenani lamactjhazi assekardeni leli? 	Isede yeenthombe kunye namakarada wamaqtjhazi afaka hlangana inomboro yoku-1-4		

iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).													
linhloko	Amanothi wokuthadhlula	Isilinganiso sesikhathi												
1.16 limbalo zehloko	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere uwahla ngengido begodu kabuthaka ukujamisela inomboro. Abafundi kufanele bakhuphe imincamo yenani lelo baytjengise utijhere.isib. imincamo emi-4. - Vumela abafundi ukubeka umncamo 1,2,3, namkha mi-4 ngaphambi kwabo. - Bawa abafundi batjengise bona mingaki imincamo abanayo ngokumadanisa inani lemincamo yabo nenani elifana nelefijihikarada isib.imincamo emi-4 namatshwayo weenomboro ama-4 - Bavumele bathole umfundi onenani ellingtonanako elifanako lemincamo <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathek ezbisobubili (2-D)</p> <p>Utijhere uphakamisela phezulu ikarada lamanani wamaqatjhazi ama-2 begodu abuze abafundi:</p> <ul style="list-style-type: none"> - Mangaki amaqatjhazi aphezu kwalelikarada.? - Ngiyiphi inomboro ejanyelwe maqatjhazi la? - Ngiyiphi inomboro eza ngemva kwenomboro le? - Ukugwala inani lamaqatjhazi elifanako emaphepheni wabo. 	<p>llanga li-1</p> <p>Imincamo emi-4 umfundi ngamunye.</p> <p>Amaflefijihikarada weenomboro 1,2,3 naku- 4 Amaflefijihikarada anamaqatjhazi.</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> </table>				1	2	3				4		
1	2	3												
4														

Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).	
linhloko	<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p> <ul style="list-style-type: none"> • Ukuarulula ngomlomo imiraro yokuhlanganisa nokukhupha (indatjana zeembalo) <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Biza abafundi aba-3 beze ngaphambili.Babale - Biza mu-1 godu umfundu. 'Bangaki nasele baboke? Ku-3 naku-1 → 4 (kuthathu nakunye kwenza ku-4) - Busela abafundi aba-3 emva emadeni. Bangaki abafundi abasele balapho kwanje? How many learners are there now? Ku-4 ukhupha ku-3 → 1 <p>Hlukanissa abafundi ngeenqhemma.</p> <p>Buza imibuzo efana:</p> <ul style="list-style-type: none"> - Zingaki liimpumulo ozibonako esiqhemeni sakho? - Mingaki imilomo? - Mingaki imizimba? - Hlangana nabafundi ababili, Mangaki amehlo abanawo? - Hlangana nabafundi ababili, Mingaki imilenze abanayo? <p>Ukusebenzisa izinto eziphathhekako ezbibusontathu (3-D)</p> <p>limboneid:</p> <ul style="list-style-type: none"> 1. Ubaba kaLindiwe unekoloyi. Inamavilo amangaki ikoloyi kababa kaLindiwe? 2. Nangabe li-1 lamavilo liparalele begodu likhitjhie ekoloyini. Mangaki amavilo aseleko? 3. Isikhukhukazi sinamadzinyani ama 4. Mabili wamadzinyani ayalahlekka. Mangaki amadzinyani esasele nesikhukhukazi? 4. Isikhukhukazi sithola amadzinyani amabili abekalahlekile. Sele amangaki amadzinyani esele sinawo kwanje? 	<p>Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).</p> <p>Isilinganiso sesikhathi</p> <p>llanga li-1</p> <p>linsetjenziswa ezinyulwako</p> <p>Isilinganiso sesikhathi</p> <p>llanga li-1</p>

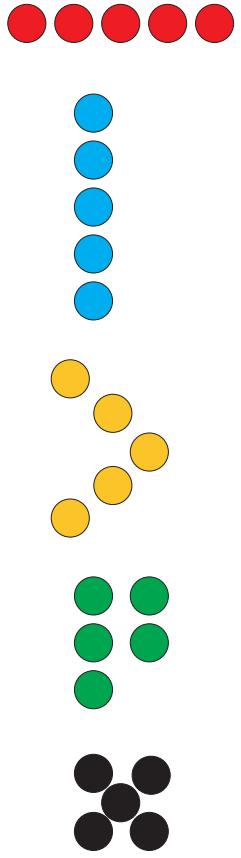
Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).	Amanothi wokuthadhlula Isilinganiso sesikhathi	Isilinganiso sesikhathi
linhloko		linsetjenziswa ezinyulwako	linsetjenziswa ezinyulwako
1.4 Ukuhlathulula, ukumadanisa nokuhela inomboro ngokuphelleleko	<ul style="list-style-type: none"> Hela begodu umadanisa izinto ezibutheleweko ngokusebenzisa “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni yesi-4 Okupathelene nokusikinyeka komzimba. Uttijhere ubeka izinto ezhilukeneko phezu kwetafula isibonele, amakhrayoni ama-2, amabhlogo afanako ama-4, amabhlogo ama-3, iincwadi ezi-2. <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> Bala inani lamakhrayoni begodu nelamabhlego. Ngabe kunamakhrayoni amanengi namkha amabhlego amanengi? Bala inani lamabhlgo nenani leencwadi. Ngabe kunamabhlgo ambadlwana kuneencwadi? Bala iincwadi begodu namakhrayoni. Ngabe kuenenani ellingsanganako lezinto namkha awa? <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Vumela abafundi ukuhla phezu konada begodu nikela umfundu ngamunye inani elithleko lezinto zokubala. Abafundi kufanele babe nezinto zokubala ezhilukeneko. Vumela abafundi ukubeka izinto zokubala ngaphambi kwabo. Uttijhere ubuza abafundi bona: <ul style="list-style-type: none"> Ngubani onezinto zokubala ezinengi? Ngubani onezinto zokubala ezimbawva ? Ngibaphi abafundi abanenzinto zokubala ezilnganako? 	<p>Amakhrayoni, amabhlogo, amabhlego, iincwadi.</p> <p>Izinto zokubala. Uttijhera unikela umfundu ngamunye izinto zokubala ukufika ke-4.</p>	1 day
3.3 Ubujamo obubusobibili (2-D)	<p>Ukuhumbula,ukubona begodu nokunikela igama lezinto zobujamo obusobabili ngeklasini kunye nesithombeni.</p> <ul style="list-style-type: none"> Yenza begodu uzalise yakho iphazeli yeentokana ezi-4 (Hlanganisa nobukghwari bokubona.) <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> Ukugwala isithombe phezu kwephepha le-A4. Uttijhere ugwala imida emva kwemigwalo yabafundi. Umfundi usika isithombe sakhe phezu kwemida enikelweko. Umfundi uzalisa /wakha yakhe iphazeli. 	 <p>Imigwalo yabafundi</p>	1 day

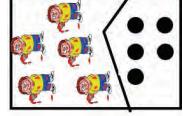
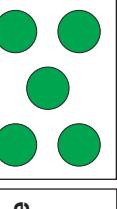
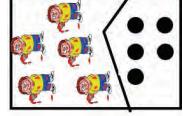
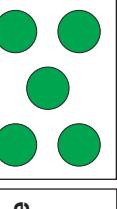
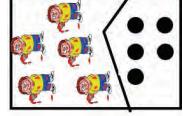
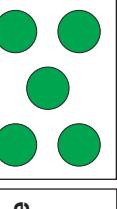
Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahliwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).		
linhloko	Amanothi wokuthadhlula	Isilinganiso sesikhathi	Isilinganiso sesikhathi
4.1 Isikhathi	<p>Ukuthuthukiswa ilemuko Iokwazi okwenzeka hlangana nesikhathi sokudia kwantambama nesikhathi sokudia. (Hlanganisa neLwazi loku Thoma leenhlokvana zamaKghono wePilo.)</p> <p>Vumelani abafundi uku:</p> <ul style="list-style-type: none"> - Khulumu ngalokho abakwenza emva kokudla kwantambama. - Khulumu ngalokho abakwenza emakhaya ngenva kwesikhathi sokudia kwantambama. <p>Utitjhere ubuza abafundi:</p> <ul style="list-style-type: none"> - Niza esikolweni ekuseni namkha ntambama?" - Nangabe uPeter uza esikolweni ngenva kokulia kvesimbi, ingabe uPeter uladelwe namkha ufile ngesikhathi? - Likuphi ilanga ebusuku? <p>Sebenzisa amajamo notana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi bagwala isithombe ukujengisa esinye nesiny isehlakalo sangemva kwamadina. - Nikela amaphazelis atijengisa ukulamana kwezenlhakalo begodu/namkha nemisetjenzana. 	 	<p>linthombe ezijengisa lohno okwenzeka ukusukela esikhathini sokudia kwantambama nesikhathi sokudia.</p> <p>1 day</p>

Iveke 20	Sebenzisa iimveke ezili 20 ukuṭheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko	
Okumumethweko Inomboro, ama-Opharetjhuni Nobudlewana	<p>1.1 Isthloko</p> <p>Ukubala izinto</p> <p>Bala uye emuva naphambili (1-4)</p> <p>Ukuzwisa umqondo wokuthi “okunengi nokuyidlanzana” (ngokuwahla)</p> <p>Ukukhumbula iinomboro ebujayamweni obujayelekileko isib.inomboro yendlu, irejistaraya yama adresi</p> <p>Ukubona iinthombe zeenomboro namakarada wamaqatjhazi</p> <p>Ukwazi amatshwayo weenomboro 1, 2, 3 ,4</p> <p>Ukukhumbula amabizo weenomboro kubili, kuthathu , no kune.</p> <p>Ukuzwisa kunye nakunye okukhambelanako (Itjhadi yomrhelebhi ngesikhathi seenqabuli)</p> <p>Ukuhlukanisa phakathi kwaka kunengi , kuncani nokuthi kuyaalingana,okunengi nokumbalwa ukufika ku ku 4</p> <p>Ukukhumbula iinhlavu ezhilukahlukeneko zemali ye Sewula Afrika</p> <p>1.6 Ukurarulula imiraro</p> <p>Ukusebenzisa izinto eziphathetekako</p> <p>Ukuhlathulula ukucabanga kwakhe ngamagama begodu nangokugwala nofana izinto eziphathetekako .</p> <p>1.7 / 1.13 Ukuhlanganisa nokususa/ukukhuppha</p> <p>Ukusombula imiraro yokuhlanganisa nokukhupha ngomlomo ukufika ku ku - 4</p> <p>Amaphetheni namaFanktjhini</p> <p>2.1 Amaphetheni wejyiomethri</p> <p>Ukukopulula , ukwengezelala nokutlama amaphetheni wakho (izinto, amajamo neenhlavu).</p>	<p>Isilinganiso sokuhola</p> <p>Linganisa begodu ubale ngokungakahleki kufika ku li- 7 (lingoma zeenomboro nemidunduzelo ezifaka hlangkana ukuthuthukisa umqondo weenomboro)</p>

Iveke 20 Sebenzisa iimveke ezili 20 ukuṭheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko		
Okumumethweko	Ishilo	Isilinganiso sokuhola
Isikhala noBujamo (Jiyomethri)	<p>3.1 Ubujamō, ukuzijayeza nokubukela</p> <p>3.2 Ubujamō obubusobubili (2-D)</p>	<p>Ukuzwisa ubujamō bezinto ezmibili nofana ngaphezulu lokha nawuzihlobanisa nomfundī Phezu kwe, ngaphasi kwe</p> <p>Ukwakha okungaseeani iphazel yeentokana ezili-12.</p> <p>Ukuṭengisa ikghono lokuhukanisa hlangana nezinto “ezinqotjhiweko begodu nezinto ezingakanqotjhwā.”</p> <p>Ukukhumbula, ukubona nokutjho uncantathu.</p> <p>Ukuzwisa ukungatjihuguluki kobujamo bakancantathu (ukubulunga ubujamo)</p> <p>Ukumadanisa bonyana ngiliphi lamabuthelelo amablii wezinto anikelweko elide, elidanyana, eliftjhani/eliftjhani khulu</p> <p>Ukuhlela izinto ngama sayizi/ ubukhulu – okude</p> <p>Imibala – (obomvu, osarulanī, ohlaza sasibhakabhakabegodu nohlaza satjani)</p> <p>Amajamo</p> <p>Ukuhlaa ngamabhlago wokwakha.</p>
	<p>3.3 Izinto ezibusobuntathu (3-D)</p>	<p>Ukubona umuda wesimethri Kuye nebhoodulukweni</p> <p>Ukughona ukuvundla umuda ophakathi</p> <p>Ukuzwisa amalanga weveke, iinkathi zonyaka begodu netjhadi lobijamo bezulu(lingoma nemidunduzelo – buyelela uhlole godu).</p> <p>Ukwazi ilanga lakhe lamabeletho</p> <p>Ukuhukanisa hlangana kokude khulu, okufijhani khulu, okudanyana, okufijhazana (itjhadi lobude).</p>
Ukumeda	<p>3.4 Isimethri</p> <p>4.1 Isikhathi</p> <p>4.2 Ubude</p>	<p>Kghona ukubuthelela, ukuhlea ngamananeko ukugwala, ukufunda nokujamisela, (tsenga) izinto ukuya ngakhunye okuphawulekako .</p>
Ukuphatha Idatha	<p>5.1 Ukujamisela ibuthelela nokuhlela izinto</p> <p>5.2 Ukujamisela ibuthelelo lezinto ezheliweko</p> <p>5.3 Ukucocisana nokuletha umbiko ngezinto ezisebuthelelwēni eliheliweko.</p>	

Iveke 21		ITHEMU 3 IIMBALO IGREYIDI R	
Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owoawa oheliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		Ukulinganisa ubude besikhathi	
linhloko	linhloko	Amanothi atlhadlhulako	linsetjenziswa eziphakanyisiweko
1.1	<p>• Yethula ihlathululo yenomboro ku-5</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku-5.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-5.</p> <p>Ukubala okungakahleleki 1-10.</p> <p>Ukuqinisa iinomboro sikhundla:</p> <p>Utitjhere upaka izinto ezintathu ngereyi. Ukhomba into ngayinye lokha nakayibalako <i>kunye, kubili kuthathu</i>.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadiwana. Utitjhere uwahla izandla bekube ka-5.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Khuthaza abafundi ukuzitholela inomboro ku- 5 ngoku:</p> <ul style="list-style-type: none"> - Ukuwahla izandla zabo amahlandla ama 5. - Ukuthola bonyana bangaki abafundi ingetasini abasele baneminyaka emi 5. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Imidunduzelo neengoma zokubala isib. “limfene ezincancani ezhlanu zeqa yeqa phezu kombhede”</p> <p>Izinto ezi -3</p>	llanga II-1

Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa ohleliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athhadhlulako	Imisetjenziswa eziphakanyisiweko
1.16	limbalo zehloko <ul style="list-style-type: none"> - Utitjhere uwahla izandla zakhe ngeido nakabuthaka ukujamiseleta inomboro isib. 5. Abafundi kufanele bakhuphe izinto zokubala ezilinganako (ezi 5) bamutjengise. - Abafundi bapakela izinto zokubala ezi 5 erezini begodu bazibale. - Utitjhere uyabuza: - Ngiyiphi inomboro eza phambili kwenomboro yesi 5? - Ngiyiphi inomboro eza emva ko-4 njil? - Lokha nawunamahabhuula ama 5 begodu ukhupha mabili. Mangaki amahabhuula aseleko? - Ngibonisa imino emi 5. - Zingaki iinzwani onazo enyaweni li-1? 	Izinto zokubala ngesimumathini 

Iveke 21	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliweko okhokhelia ngutitjhore (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)</p>	<p>linhloko</p> <p>Amanothi athadhlulako</p> <p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleko</p> <ul style="list-style-type: none"> • Ukuthuthukisa umkhumbulo begodu ukhuthaze abafundi ukubamba ngehloko inomboro yasekhnaya, inomboro yesiphande nenomboro yomrhala. <p>Dlala imidlalo enjenge:</p> <ul style="list-style-type: none"> - Utitjhore utijo inomboro yendlu, inomboro yesiphande nofana inomboro yomrhala yomfundu. Inomboro nofana iiisiphande somfundu nasibizwako kufuze umfundu loyo aphendule.. - Lokha nakazalisa ijelista yokubakhona nofana yokungabikhona komfundi esikoleni utitjhore angabuza imibuzo enjengokuthi: “umfundu wenombor yomrhala ethi 435-6256 ukhona namhlanje?“ umfundu ohlala eMandela Drive 123 ukhona namhlanje? - Abafundi basebenzisa itshwayo lenomboro amafletjhji karada ukupaka inomboro yendlu nofana inomboro yomrhala ngokulandelana naloekha kungaphumeleli. - linkulumo zokulingisa emrhaliwo wokudlalisa.. Abafundi badosela omunye oqakathekile umhala.. <p>Hlanganisa nobukghwari boKwenza (umdlalo) emakghonwani wePilo</p>	<p>Ukulinganisa ubude besikhathi</p> <p>llanga li 1</p> <p>lisetjenziswa eziphakanyisiweko</p> <p>Inomboro yomrhala kufanele kubé yinomboro yokuthintana yombelethi nofana yomthihogomeli begodu kungaba yinomboro yakamallinedinni.</p> <p>Amathswayo weenomboro, amafletjhi karada nofana amatshwayo weenomboro amakhulu enziwe ngekhadihbodi.</p> <p>Umrhala wokudlalisa</p>				
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Utitjhore ubonisa abafundi:</p> <ul style="list-style-type: none"> - Imihlolo ehlukeneko yeenrhajhi lapho angafumana khona inomboro ku- 5 isib. - Amakarada wamalanga wamabeletho, amaphewandaba, amamagazini amafaqatjhazi ama 5. - Ifetjhi karada elinamaqatjhazi ama 5 nefletjhji karada elineenthombe ezi 5. - Vumela abafundi bonyana bahlobanise amafletjhji karada weenthombe namaqatjhazi karada wamaqatjhazi begodu nenan elifahanako lezinto zokubala nofana izinto. - Yenza amaphazele weenomboro ezifaka hlangana inomboro ku- 5. Isib. 	<p>Amakarada wamalanga wamabeletho nobu</p> <p>amaphewandaba, amamagazini amafletjhji karada anamaqatjhazi ama 5.</p> <p>Amafletjhji karada aneenthombe ezi 5.</p> <p>Izinto Izinto zokubala</p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">  </td> <td style="width: 50%;">  </td> </tr> <tr> <td colspan="2">Isithombe sezinto ezi 5</td> </tr> </table>			Isithombe sezinto ezi 5	
							
Isithombe sezinto ezi 5							

Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliweko okokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlulako	Imisetjenziswa eziphakanyisiweko

1.3
Amatsihwayo
weenomboro
namabizo
weenomboro

- Ukwazi itsihwayo lenomboro nokukumbula ibizo lenomboro afaka hlangana inomboro ku-5.

Zomlomo: Ukubala izinto zangamalanga ukufika enomborwenei ku-5.

Ukubala uye phambili begodu uye emuva ukufika ku-5.

Ukubala okungakahleleki 1-10.

Okupathelene nokusikinyeka komzimba

- Vumela itiasi loke bonyana bahale benze indulungu.
- Nombora abafundi ukuya ngephetheni. 1, 2, 3, 4, 5. 1, 2, 3, 4, 5.
- Buza imibuzo enjenga, "ngubani olandelako ozokuba sebijamweni besi-5? Ngubani ozokuba sebijamweni besi-4 obulandelako?
- Uwurarulule njani umraro?
- (Abafundi bararulula umraro ngendela ephathekako ukwenza iboneo phambili lenomboro elandelako ngokubala baye phambili)

Ukusebenzisa izinto eziphattnekako ezibusontathu (3-D)

- Sebenzisa amakarada weenomboro amakghwakghwa afaka hlangana iinomboro yo-1 ukufika ku-5.
- Abaundi bavala amehlo wabo begodu bezwe inomboro yesihlanu hlangana namanye amatsihwayo weenomboro basebenzisa imino yabo.
- Nikela umfundu ngamunye izinto zokubala ezi 5 neenkopi zeplastiki ezimbilinofana neemumathizamaqanda ezimbili.
- Buza abafundi bonyana: "zindela ezhilukkleko ezingaki ongahela ngazo izinto zokubala ezhilanu ngemabhaskedini amabil?



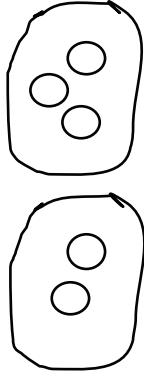
njil.

Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliweko okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlulako	Inisetjenziswa eziphakanyisiweko
1.3 Amatsihwayo weenomboro namabizo weenomboro	<p>Sebenzisa amajamo notana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Bona ifletjhi karada elineenthombe ezi -5. - Bona ifletjhi karada elineenthombe ezi -5. - Bona itsihwayo lenomboro ku- 5 likhangiswe nanyana kukuphi ngetasini. - Bona itsihwayo lenomboro efletjhi karadeni. - Khumbula ibozo lenomboro efletjhi karadeni. - Hlobanisa inani lezinto zokubala negama lenomborobegodu netishwayo lenomboro ngokupakela into yokubala estithombeni ngasinye nasekaradeni leqatjhazi. 	<p>Amafletjhi karada aneenthombe, amaqaqatjhazi, itsihwayo lenomboro nebizo lenomboro lzinto zokubala ezi 5</p>
3.4 Isimethri	<p>Ukuqinisa umuda wesimethri kuwe ngokwenza imisikinyeko ekhuthaza ukweqa umuda ophakathi wangaphakathi.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Dlala umdlalo wokulandela umrholi lapho abafundi bakopa khona ubujamo ejihadini. - Dlala “umdlalo wokulandela umrholi” lapho utijhere atiengisa khona ubujamo nabafundi bamkopela khona. (faka izenzo lapho abafundi beqa umuda ophakathi wangaphakathi isib. Thinta idolo langakwesokudla ngesandla sangesinceleni) - Dlala “umdlalo wokulandela umrholi” lapho abafundi batjiengisa khona ubujamo abaseleko bayamkopela. - Utijhere utijengisa abafundi “ukweqa uphakamise izandla neenyawo ngesikhathi sinye” begodu abafundi bakhuthazwa bonyana benze umsikinyeko ofanako. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Bekai imigodlalana yeembhontjisi ngesinceleni, ngesidleni, ngaphambili nasemuva komzimba wakhe. - Sebenzisa isandla sakho sangesinceleni ukubeka umgodlana weembhontjisi ngehlangothini lomzimba wakhe langesidleni.. - Ukuzilila ukweqa umuda ophakathi wangaphakathi. - Buyelela wenze lokhu ngesandla sangesidleni. <p>Hlanganisa umsebenzi lo nomsetjenzana wesiFundo Sokuzithabulula umzimba esfundwenu samaKghono wePilo</p>	<p>Ilanga li 1</p> <p>Ngemva kwalokho ngendela eragako bgesikhathi sokudala okutjaphulukleko nemisejezana ethuthukisa ukukhula komzimba.</p> <p>Ilanga li 1</p>

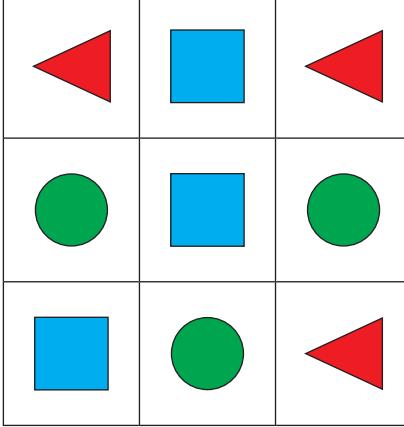
Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa ohleliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
Inhhoko	<p>Amanothi athhadhlulako</p> <ul style="list-style-type: none"> • Ukulinganisa nokumeda ubude bezinto ezihlukeneko usebenzisa linyawo, izandia, isiquantu sentambo, isigojwana njil. <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi uk:</p> <ul style="list-style-type: none"> - Madanisa ubude beenyawo nezanda zabo. - Abafundi balinganisa bonyana ngiyiphi into ede begodu ngiyiphi eftithani ngokuzimedea ngeenyawonofana ngezandia zabo isib. Itafulanofana ingcenyee ehlephukileko yethumbukusuka ekhaya. - Linganisa bona ngiyiphi into ede khulunofana eftithani khulu? Isib. Indlediana yenyawonofana ireyi leentina. - Vumela abafundi bonyana bafunisele bonya ngiyiphi ezakuba yidanyana isib. Ittasinofanaittasi lesitatu yokusebenzela/yokuphumula. - Buza imibuzzo enjengokuthi: "Ngiyiphi edenyana / ede khulu, ipenselanofana isiquantsentambo? njil. 	Insetjenziswa eziphakanyisiweko

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko		Amanothi athadhlulako	Isilinganiso sesikhathi
1.1	<ul style="list-style-type: none"> Ukuqinisa ilwazi elifunyenwe elifaka hiangana inomboro ku- 5. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 5. Ukubala uye phambili begodu uye emuya ukufika ku-5. Ukubala okungakahleleki 1-10.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-5. Buza umbuzo wokobana: “Ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.?”</p> <p>Okupathethelene nokusikinyeka komzimba</p> <p>Khuthaza abafundi ukufunyana inomboro yesi -5 ngoku:..</p> <ul style="list-style-type: none"> - Tjengisa imino emi -5 emoyeni. - Thola izinto ezi -5 ezibomvu, hlaza kwesibhakabhabka, sarulana, lihlaza kotjani. - Thola izinto ezi -5 ezifana nendulungu, isikwere, uncantathu. <p>Ukusebenzisa izinto eziphathekako ezbisontathu (3-D)</p> <p>Vumela abafundi ukuthuthukisa umqondo wenomboro ngoku:</p> <ul style="list-style-type: none"> - Thattha iincwadi ezi-5 ehugwaneni yeencwadi. - Ukwakha umbhotjhango ngamakhubhu ama -5 angenelelanakonofana amabhlogo wokwakha. 	linsetjenziswa eziphakanyisiweko llanga li 1 lingoma zeenomboro nemidunduzelo Isib. Imidunduzelo neengoma ezibalako isib. “1,2,3,4,5 “ngakhe ngabamba ifesi ephilako”	Isilinganiso sesikhathi

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadilhulako	lisetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
1.7 Ukuhlanganisa nokukhupha	<ul style="list-style-type: none"> • Ukuarulula imilaro yamagara ngomlomo(iimbalo zendatjana) begodu uhlathulule iinsombuluo zakho zemiraro ezifaka hlangana inomboro ku-5. <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Bizela abafundi aba -5 ngaphambili. Aba iintulo ezi -5 ngokullinganako hlangana kwabo bobahanu. - Susa istulu sinye. Kwanje hlukanisa iintulo hlangana kwabahlanu. Umfundu munye uzothoga isitulu. - Thoma ku -5. Bala uye emuva. Thoma ku ku 3. Bala urike ku ku-5. Thoma ku ku -1. Bala urike ku ku-4. ñjll. <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <p>limboneko:</p> <ol style="list-style-type: none"> 1. Tjengisa umuno mu -1 ngesandelnii sinye nemino emi-4 ngakwesinye isandla. Mingaki imino seie iyoke? 2. USama unamakuke ama-4. UMpho umnikela li -1 godu. USama unamakuke amangaki nasele awoke. 3. UTomasu unamatije ama -5 begodu unikela uMenzi woma-5 amatije. UMia unamatije amangaki? 4. Ujan unamamabula ama -5 begodu kulahleka ma- 2. Usele namamabula amangaki? 5. Ukatsu munye uneendlebe embili. Abokatsu ababili bazokuba neendlebe ezingaki? 6. Ingoma, “ amabhodlela amahlanu alenga ebodweni, agcina ngelize” (bonisa bonyana amabhodlela aba mancani) 	llanga li 1	Izinto zokubala Amamabula Ingoma	

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadhlulako	lisetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
linhloko	<p>1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleko</p> <ul style="list-style-type: none"> Madansia bonyana ngilphi lamabuthtelelo amabili onikelwe wona elinengi kuna, ncani kuna, lingana na, ukufika enomborweni ku- 5. <p>Zomlomo: Ukuhala izinto zangamalanga ukufika enomborweni ku- 5. Ukuhala uye phambili begodu uye emuva ukufika ku-5. Ukuhala okungakahaleleki 1-10.</p> <p>Ukuqinisua umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadiwana. Utijhera uwahla izandla bekube ka-5. Buza umbuzo wokobana: “Ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.”?</p> <p>Okuphatheleene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubeka izinto ezhilukeneko etafuleni isibonelo amakopi ama -2, amabhlogo afanako ama -5, amakorotki ama -4, iincwadi ezi -2. - Bale inani lamakopi namakorokoti. Kunamakopi amanenginofana amakorotki amanengi? - Bale inani lamabhlogo neenqwadi. Kunamabhlogo ambadiwana kuneenqwadi? - Kunamabhlogo amanengi ukudula iincwadi? - Bale iincwadi namakopi. Kunezinto ezilinganako ngenaninofana awa? <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bale inani lamakopi namakorokoti. Kunamakopi amanenginofana amakorotki amanengi? - Bale inani lamabhlogo neenqwadi. Kunamabhlogo ambadiwana kuneenqwadi? - Kunamabhlogo amanengi ukudula iincwadi? - Bale iincwadi namakopi. Kunezinto ezilinganako ngenaninofana awa? <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bahlala phezu komada benze “iindlwana zeenyon” ezimbili ngevolo. - Utijhere unikela iinyalelo isib. Abafundi babeka izinto zokubala ezi -2 ngendlwanienyineyenyo nazi -3 ngendlwanienyineyenyo. Ngiyiphi indlwana yenyo enazinenji? Ngiyiphi enezimbadiwana? - Utijhere ubizela abafundi aba -5 phambili. Ufaka inomboro yemincamo engafani esandleni ngasinye somfundu. - Ngisiphi isanda esineminenji ngakiso? - Ngisiphi esinemincani ngakiso? <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathekenezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ubabonisa amakarada amabili anenani elihukeneko zamaqatjhazi neenthombe kiwo. - Vumela abafundi ukumadanisa amakarada anenthombe namaqatjhazi begodu babone umqondo “wokunengi kuna”, okuncani/okumbadiwana kuna nokulingana na. 	<p>llanga li 1 lingoma zeenomboro nemidunduzelo</p>  <p>lincamamo</p> <p>Amakarada weenthombe namakarada wamaqatjhazi afaka hiangana iinomboro ukusuka ku ku-1 ukufika ku ku- 5.</p>		

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadilulako Insetjenziswa eziphakanyisiweko Isilinganiso sesikhathi
linhloko	<p>2.1 Amaphetheni wejiyomethri</p> <ul style="list-style-type: none"> • Ukuqinisekisa ukukopulula iphetheni enikelweko <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Ukusebenza neenqhema begodu nokukopulula iphetheni onikelwe yona. isib. mfundi, situlo, mfundi, situlo. - Abafundi ababili, isitulo sinye, abafundi ababili, isitulo sinye. - Gida ngenyawo linye, gida ngellinye inyawo, yeqela phambili, yeqela emva. - Ukusebenzia izinto eziphathekako ezbisontathu (3-D) - Utijhere wenza iphetheni asebenzisa izinto zokubala neemvalo zamabhdela isib. Into yokubala, into yokubala, isivalo sebhodlela, into yokubala, into yokubala, isivalo sebhodlela. Abafundi bakopa iphetheni. - Khamba kabuthaka, kabuthaka, msinyana, msinyana. (utijhere ukhulumu akhamba). Abafundi bakopa iphetheni. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathek ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Hlukanisa abafundi ngeenqhema ezhilanu. Nikela isiqhema ngasinye iinthombe ukwenza amaphetheni ngazo. - Abafundi bakhai iphetheni yesithombe sabo basebenzisa iinthombe abazinikelweko isib. <ul style="list-style-type: none"> o Ilamune. I-abhula, i-abhula, ilamune. o Iviyavyani, iviyavyani, inyosi, inyosi. <p>Umsetjenzana lo ungahlanganiswa nobukghwari ObuBonakalako emakghonweni wePilo.</p>	

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoowa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadhlulako	Isilinaniso sesikhathi
linhloko 3.3 Ubujamo obubusobibili (2-D)	<p>UkuKhumbula, ubone begodu utijo ubujamo bakkasobabili (2-D) etasini neenthombeni</p> <ul style="list-style-type: none"> Ukuqinisa ilwazi elitholwe ngeveke yesi -6 efaka hlangkana isikwre. Hlanganisa nesifundo sokuThabululia umzimba esifunweni samaKghono WePilo. <p>Okupathethiene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Gwala isikwre etatawini lokudlalela uvumele abafundi beqayeqe magega nesikwre. Vumela abafundi batijo bonyana: "ngeqayeqa magega nesikwre – ihalangothi elliodwa, amahlangothi amabili, amahlangothi amathathu, amahlangothi amane – amahlangothi woke ayafana" Vumela abafundi balale bahlabane ngeenholoko neenzwani etjanini/phasi/emadeni ukwenza isikwre esikhulu. Vumela iinqhemia zabafundi ukulala phasi emadeni benze isikwre esincani. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Umdalo: utijhere ugwalla igridi etatawini lokudlalela. Beka amajamo wamambala. Isib. Ubujamo belogi,nofana iinthombe zobjamamo ebhlogwenei ngayinye. Uttijhere ubiza ubujamo. Abafundu baphosela umgoddana weembhontjisi ebhlogwenei elikhambisana nobujamo obubiziweko. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathekete ezibusobibili (2-D)</p> <p>Abafundu kufuze bahlukanise hlangkana namasayizi ohlukeneko nemibala yeenkwere utijhere azilungisisileko.</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> Bona iinkwre ngokuya ngobulkhulu obuhlukeneko ngokutijo bonyana ngiziphi iinkwre ezikulu khulu, ngiziphi ezincani khulu begodu ngiziphi iinkwre ezinobukhulu obulingeneko. Bona imibala yeenkwere ezhilukeneko. <p>Hlela izinto ngokuya ngobujamo, isayizi nombala.</p> <ul style="list-style-type: none"> Hlela izinto ezhilukeneko ngokuya ngombala nangobujamo. 		Isikwre esisefurwiniphasi Isikwre esisefurwiniphasi Isikwre esisefurwiniphasi Isikwre esisefurwiniphasi

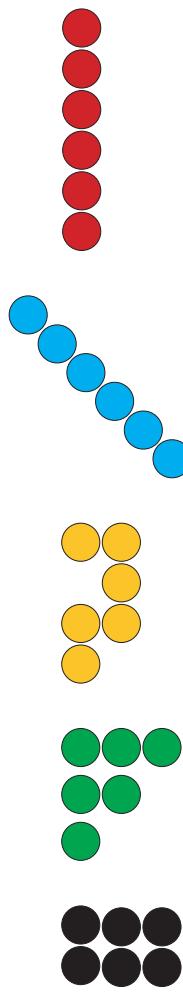
Iveke 23	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wanstasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhloko		Amanothi attadululako	Ukulinganisa ubude besikhathi
1.1	<ul style="list-style-type: none"> Ukuqinisa ilwazi elitholiweko elifaka hiangana iinomboro ku-1 ukuya kuku-5 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku-5.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-5.</p> <p>Ukubala okungakahleleki 1-10.</p> <p>Ukuqinisa umqondo woku “nengi nokuncani”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-5.</p> <p>Buza umbuzo wokobana: “Ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu?”</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Asidale umdialo:</p> <ul style="list-style-type: none"> - Utijhere udala isilisawa isib. Isigubhu. - Abafundi bayakhambahamba. - Lokha isigubhu nasiisa ukulila, utijhere ubiza inomboro ehlangana kwaku 1 nauku 5. - Abafundi bazihiela ngeenqhema ezincani isib. Utijhere ubiza inomboro yesi -3 begodu abafundi bazihiela ngeenqhema zanga -3. <p>Ukusebenzisa izinto eziphatnekako ezipibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere ubeka izinto ngewobhu phezu kwetafula. Vumela abafundi ukulinganisa bonyana zizinto ezingaki ezsiewobhini. - Zibale nauwqedaa. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>llanga li 1</p> <p>khetha imsetjenzana embadlwana kuphela</p> <p>lsigubhu</p>	

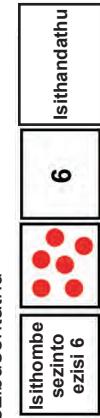
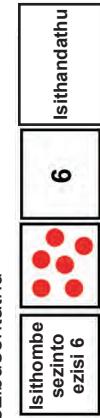
Iveke 23	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		Ukilinganisa ubude besikhathi						
linhloko	Amanothi attadululako	Insetjenziswa eziphakanyisiweko							
1.6 Amaqhingga wokuraruula imiraro	<p>Asidale umdalo:</p> <p>Utitjhere wakha ilere yenomboro phasinofana ehlabathini. Inomboro eselerini yenomboro jamele inomboro yendlu umfundu ahla kyo.</p> <p>Utitjhere ukhettha abafundi asebenzisa umdunduzelo wokubala begodu anikela iinyatelo ezinjenje:</p> <ul style="list-style-type: none"> - Ngaso soke isikhathi jama phezu kwelize nofana uthome elizeni. Yitjho bonyana ilize litjho bonyana "akunaltho" nokuthi ukubala kuhle kuthoma ku ku 1. - Ngaso soke isikhathi balu ukhambahamba. - Utitjhere uthi ebafundini. "Usendlini yenomboro 2, ngimuphi umuzi oza emva kwenomboro yesi 2?" - Inyatelo eziragela phambili kungaba: "dlulela endlini yenomboro yesi 3. Buyela emzini wenomboro yesi 2. Diula uye phambili emzini wenomboro yesi 4." - Utitjhere uthi:"ngisendlini yenomboro yesi 3, ngiyphi indlu umuzi eza ngemva kwakwami?" - Iya emzini wenomboro yesi 4. Khamba uye phambili ngenomboro yi 1. Khamba liinomboro ezi 2 uye emuva. - Jama hlangana nendlu yenomboro yesi 3 neyesi 5. 	<table border="1" style="width: 100px; margin-bottom: 10px;"> <tr><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> </table> <p>Umdunduzelo wokubala</p> <p>1, 2, 3, 4, 5, Ngikhe ngabamba ifesi ephilako 6, 7, 8, 9, 10 Begodu ngayilisa yakhamba godu</p>	0	1	2	3	4	5	llanga li 1
0	1	2	3	4	5				
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro.	<ul style="list-style-type: none"> • Sebenzisa inomboro ku - 5 ebujameni obujayelekile <p>Ukuze utthuthukise ukukhumbula, khuthaza abafundi uku:</p> <ul style="list-style-type: none"> - Funda ngehloko inomboro yomrhala yababeletthi babo. - Funda ngehloko limphande zemakkhabo. - Inomboro yomrhala/ umalilledinini kufanele bonyana ibuyetelwe ngesikhathi sokulawua irejista yangamalanga. 	<p>Inomboro yomrhala yakamma nofana yakababa nesiphande seklaya</p>							
3.2 Izinto ezibusontathu (3-D)	<ul style="list-style-type: none"> • Ukwakha izinto zobujamo obubusontathu ngokusebenzisa umatheriyali ophathekako <ul style="list-style-type: none"> - Abafundi abazakhele ukususela esibonelwani sakatijhere. Unikela iinlayelo ezilandelako. - Yakha umbhotijhongo onokuphakama okulingana nowami. - Yakha umbhotijhongo ongaphasi kowami (omfijhazana) kunowami. - Yakha umbhotijhongo ophakama phakamileko (omudanyana) kunowami. - Vumela abafundi ukwakha yabo imakhiwo ngokukopela isibonelo esinikelweko. 	<p>Amabhilogo wokwakha/amabhilogo weLeg Nanyama ngisiphi isisetjenziswa sokwakha</p>							

Iveke 23	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)</p>		
Inhloko	<p>3.1 Ubujamo, ukujayenza nokubukela</p>	<p>Amanothi attadululako</p> <p>Landela ikombatjhuba ukuzikhambisa nofa ukuzibeka ebujameni obuthile (ikombatjhuba)</p> <ul style="list-style-type: none"> Thuthukisa umqondo wekombatjhuba ngokwethula imiqondo yomibili yoku “phambili begodu nemuva”, <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Njengesingeniso, qinisa ilwazi elifunyenne evekeni yobu-8. <p>Ukusebenzisa izinto eziphathhekako ezbisontathu (3-D)</p> <ul style="list-style-type: none"> Gwala indulungu ekulu, uncantathu nofana iskwere esiquntwini sephepha usibeke phasi/ emadeni. Vumela abafundi bonyana ba: <ul style="list-style-type: none"> Tjrove ikoloyana yokudlalisa magega nemida begodu uvumele umfundu atijo bonyana ikoloyi ikhambeka iya ngakiliphi itjhuba (phambili nemuva, esinceleli nangesideini usebenzisa umkhono wakho ukwenza iishwayo langesinceleli nangesideni) <p>Sebenzisa amajamo nofana liinthombe ziphathike ezipheze ezbisobubili (2-D)</p> <ul style="list-style-type: none"> Vumela abafundi ukulemuka umqondo waphambili/emuva ngokukhomba ikombatjhuba eenithombeni isib. Ikombatjhuba ekhanjiwa yikoloyi, ikombatjhuba ekhanjiwa mumuntu. 	<p>linsetjenziswa eziphakanyisiweko</p> <p>Ukulinganisa ubude besikhathi</p> <p>llanga li 1</p> <p>Ubujamo obukhulu obugwalwe esiquntwini sephepha. Ikoloyi yokudlalisa</p> <p>linthombe ezibonisa ngokukhanyako ikombatjhuba. Isib.ikombatjhuba ekhanjiwa yikoloyi, ikombatjhuba ekhanjiwa mumuntu.</p>

Iveke 23	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	4.2 Ubude	<p>Umadanse ahlele izinto eziphathekako asebenzisa llwazimagama ukuhlathulula ubude</p> <ul style="list-style-type: none"> • Ukuliganisa ubude bezinto ezhilukeneko Okupathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Abafundi bazihiela ngokwabo ukusuka komfitjhani khulu ukuya komude khulu. - Mamadanisa ubude babo nobude babangani babo. - Badlala umdlalo othi "landela umrholl" omude khulu wenza umsikinyeko lokha abanye absemUya kwakhe bamlingisela. Jiksa ireyi loke ukwenzela bona omftjhani khulu abe mholi kwanje. - Vumela abafundi ukumaddanisa izandla neenyawo zabo ukubona bonyana ngezakabani ezide khulu/eziftjhani khulu. <p>Linganisa begodu umede:</p> <ul style="list-style-type: none"> - Abafundi balinganisa bonyana ngiyiphi into ede begodu ngiyiphi eftijhani. Learners estimate which object is long and which one is short e.g. the length of the table or the piece of string. - Linganisa bonyana ngiyiphi into ede khulunofana eftijhani khulu isib. Ipenselanofana ikrayoni yamatutha. - Vumela abafundi bafunisele bonyana ngiziphi izinto ezingaba zidenyana isib. Amathunjana wokusela ama-2 alaliswe alandelananofana iindrajana zokubamba imali/amaphephazezialiswe zalandelana. - Buza umbuzo onjengokuthi: "Ngiyiphi edenyana/ede khulu, ipenselanofana isiquantu sentambo? Njll. - Ngisiphi istulu esikude khulu kunedeski yakatitjhere? - Zingaki iimpensela ezingalingana ngehlangothini elide ledeski yakatitjhere? - Uthatha amagadango amangaki ukufika emnyango? - Mangaki amabhoksi womillo, azaliswe ngehlabathi, azazalisa ibhoksi leli? - Zingaki iinkopi zamaqanda ezizele amanzi ezingazalisa irhalasi leli? - Naba abafundi abane neentulo ezine. - Ziintulo ezinengi kanganganieszithhogako? 	Ukuliganisa ubude besikhathi

Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wargetasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhloko	Amanothi attadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukwethula ihlathululo yenomboro si-6 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si-6. Ukubala uye phambili begodu uye emuva ukufika ku-6. Ukubala okungakahleleki 1-10.</p> <p>Qinisa ukubala ngeenomboro sikhundla: Utijhere upaka izinto ezi-3 ngereyi. Ukhomba into ngayinye lokha nakabala yokuthoma, yesibili, yesithathu</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”. Wahlia izandla zakho amahlandia amanengi ... JAMA. Wahlia izandla zakho amahlandia ambadlwana. Utijhere uwahla izandla zakhe amahlandia asi 6. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi bonyana ba: <ul style="list-style-type: none"> Bala ufike enomborweni yesi-6 lokha nawukhwela iintebhis. Bala uye emuva lokha nawehlako. Gwala inomboro yesi -6 elhabathini ukhambe/weqayeqe/weqe ngeniyawo linye magega nayo. Wahlia izandla amahlandia asi-6. Khumbula inomboro ku-1 ukufika enomborweni yesi-6 ngesede yamatshwayo weenomboro. Ukupakulula isiphande sekhabonofana inomboro yomhala ngamakarada amakhulu wetshwayo lenomboro. </p>	<p>Yenza isede yakho ekulu yamatshwayo wenomboro, abantwana abangakghona ukuziphatha. Bangafunda inomboro yeminyaka yabo, inomboro yefledeyomuzi, inomboro yomhala nofana umalaledinini wababelethi nokhunye okunengi.</p> <p>Isede yenomboro efanako ingasetjenziswa ukukhumbula iinomboro nokupakela iinomboro ngokulandelana.</p>	llangali 1

Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoowa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi attadlululako	Insetjenziswa eziphakanyisiweko	Ukilinganisa ubude besikhathi
1.1 Ukubala izinto	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Bala izinto ngetlasini. Vumela abafundi bonyana ba:</p> <p>Buza imibuzzo erijengo:</p> <ul style="list-style-type: none"> - Ngiyiphi inomboro ezangemuva kwenomboro yesithathu, ngiyiphi inomboro eza ngemuva kwenomboro yesi 5 njil. - Utijhere ubeka izinto ngewobhu phezu kwetafula. Vumela abafundi ukilinganisa bonyana zizinto ezingaki ezingewobhini. Ngemuva kwalokho uzibale. - Ukuthuthukisa ilemuko lokutijhejwa kwenomboro ngokuvumela abafundi ba: pake izinto zokubala ezisithandathunofana manyana ngiziphi izinto geenddlela ezhlukeneko isib  <p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonele:</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezi 6, amapensela asi 6, amawupsi asi 6, abafundi abasi 6 njil. - Zibale zihleleke ngeenddlela ezhlukahlukeneko isib. Zibale zirhatjhekile, zitjhidelene, zingomudanofana ziywobhu. <p>Hlukanisa abafundi ngeengqhema zangasithandathu. Nikela isiqhema ngasinye amabhlago wokwakha asi-6.</p> <p>Vumela iinqhema zi:</p> <ul style="list-style-type: none"> - Bale amabhlago wazo. - Bakhe umbhotijhongo ngezinto zabo zokwakha ezisi 6. Khuthaza abafundi ukubala "iintina" lokha nabakha umbhotijhongo. - Utijhere ukhambakhamba esiqhemeni ngasinye alebule iimibhotijhongo yabo ngekarada lenomboro. Abafundi babala inani lembotijhongo. Buyelela amahlandla amanengana. - Khetha umfundsi ozokuphosa idaysi. Yenza isiqiniseko sokobana woke umfandi uyalibona idaysi. Abafundi babala inani lamaqatjhazi begodu akhombie nombotijhongo okhambelanako. 	<p>Izinto etlasi nasebhodulukweni</p> <p>Sebenzisa imihlobohloblo yeensiza ukukunikela umqondo wokobana ungawasebenzisa bunjania maqchinga ahlukahlukeneko.</p>	<p>Ilanga li 1</p> <p>Amabhlago wokwakha asi 6 umfundi ngamunye</p>

Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owo dwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhloko	Amanothi attadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.3 Amatsihwayo weenomboro namabizo weenomboro	<ul style="list-style-type: none"> • Ukwazi itsihwayo lenomboro begodu nokubona igama lenomboro efaka hlangana inomboro si- 6 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborwei si- 6. Ukubala uye phambili begodu uye emuva ukufika ku-6.</p> <p>Ukuqinissa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadlwana. Utijhere uwahla izandla zakhe amahlandia asi - 6. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Gwala inomboro yesi - 6 ehlabathini/phasi begodu uvumele abafundi ukukhamba magega nenomboro. - Gwala inomboro yesi - 6 ehlabathini, emoyeni. - Yakha inomboro yesi - 6 ngebumba. - Vumela abafundi uku <p>Lisa abafundi bagagele bonyana bafundi abangaki abazotlhogeka ukwenza inomboro yesi - 6 ngemizimba yabo. Bakhe inomboro yesi - 6 ngemizimba yabo.</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka iwobhu lezinto phezu kwetafula. Diala ngeenomboro ukusuka kwe -1 ukuya kweyesi - 6 isib. - Vumela abafundi bafunisele bonyana zizinto ezingaki ezikhona: - Bala lezinto. 	Ilanga li 1 lingoma zeenomboro nemidunduzelo	Izinto ezisi 6 Izintombé begodu namaletjihikarada wamaqtjhazi afaka hlangana inomboro si-6.
Sebenzisa amajamonofana iinthombe eziphaze zipphathike ezibusobubili (2-D)	<ul style="list-style-type: none"> - Bona emvangweni wamaletjhi karada lawo aineenthombe ezisi - 6 kiwo begodu bawahlobanise nenani elifanako lezinto zokubala. - Bonisa amafletjhi karada aineenthombe ezisi 6 begodu uwahlobanise nenani elifanako lamatsihwayo weenomboro begodu nange nani elifanako lezinto zokubala. - Bonisa amafletjhi karada anamaqtjhazi asi 6 begodu uwahlobanise nenani elifanako lamatsihwayo weenomboro begodu nenani elifanako lezinto zokubala. - Ukubona emihlobeni yamaletjhi karada ahlukahlukeneko lawo anegama lenomboro sithandathu kiwo begodu bawahlobanise netshwayo lenomboro nenani elifanako lezinto zokubala. 	 Isithombe sezinto ezisi 6	 Isithandathu

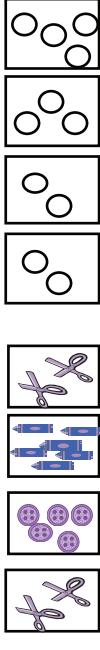
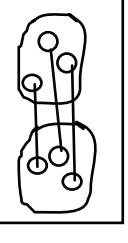
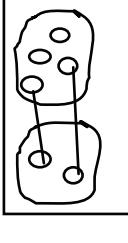
Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi attadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.13 Ukuhlanganisa nokukhupha	<ul style="list-style-type: none"> • Ukurarulula imiraro yokuhlanganisa nokukhupha ngomolomo neensombululo ezifika kusi-6. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborwani si-6. Ukubala uye phambili begodu uye emuva ukufika kusi-6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Utijhere ubuzela abafundi aba-3 ngaphambil. Abafundi bayababal. Utijhere ubiza abanye aba 2 abuze; Bangaki abafundi nasele baboke? Ku 3 naku 2 → 5. (utijhere uthi: ku - 3 naku -2 kukunikela -5) 2. Utijhere upakulula iintulo ezi 2. Ufaka zi- 2 godu. Zingaki iintulo ezikhona kwanje? Ku -2 naku 2 → 4. 3. Utijhere uphakamisa isandla sinye begodu athi: ““Bala imino yami. Nangifihla uthubhakghuru wami, mingaki imino enyibonako? Ku - 5 ukhupha ku 1 → 4. 4. Vumela abafundi babale imino esandleni sinye sabo. Fihla uthubhakghuru wakho; ubona imino emingaki? Ku - 5 ukhupha 1 → 4. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi ukukhupha izinto zokubala ezi - 6 begodu benze okulandelako:</p> <ul style="list-style-type: none"> • Utijhere unikela umfundi ngamunye izinto zokubala ezi-6. • Utijhere unikela iinyalelo begodu abafundi bayaphendula isib. Khupha izinto zokubala ezi - 2, faka eznye ezi -3. • Zingaki nazizoke? Ku-2 naku 3 → 5. • Bala izinto zokubala ezi -4. Bala zi- 2 uye phambili ukusuka kweyesine. Zingaki onazo kwanje? Ku 4 naku 2 → 6. • Bala yoke imincamo onayo. Lokha nawungavala imincamo emibili ngesandla sakho, mingaki imincamo oyibonako? Si - 6 ukhupha ku 2 → 4. 	<p>lingoma zenomboro nemidunduzelo</p> <p>Abafundi lintulo</p> <p>Imincamo nofana izinto zokubala.</p>	

Iveke 24 Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Inhloko Ukuhlanganisa nokukhupha	Amanothi attadlululako Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.13</p> <p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)</p>	<p>Ukuhlanganisa nokukhupha</p> <p>Zomlomo: Ukuhlanganisa nokukhupha enomborwene si-6.</p> <p>Ukuhlanganisa nokukhupha enomborwene si-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana” .</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadhwana. Utijhere uwahlia izandla zakhe amahlandia asi 6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>Ukuhlanganisa nokukhupha</p> <p>Amanothi attadlululako</p> <p>Insetjenziswa eziphakanyisiweko</p> <p>Ilanga li 1</p> <p>lingoma zeenomboro nemidunduzelo</p>	
		<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. UMPHO unamakkisi ama-4. UPeter umngezelelela ngama- 2 phezulu. UMPHO sekaranakkokisi amangaki nasele awoke? 2. UNobuhle unabonopopi aba -3 begodu uMartha unaba 2. Ngubani onabonopopi abanengi? UNobuhle unabonopopi abanengi ngabangaki ukudula uMartha? 3. Kuneenyoni ezi -5 phezu kwedrada. Ezi-2 ziayaphapha. Kusele iinyoni ezingaki? 4. UPatrick uneenkolozi zokudala ezisi -6. UTiny unazi -4. UTiny uneenkolozi zokudala ezingaphas ngazingaki kunezakaPatrick? 5. Umntwana munye unepumulo yinye. Abantwana abathathu bana..... 6. Umntwana munye uneenyawo ezibili. Abantwana abathathu bana 7. Umntwana munye unemikhono emibili. Abantwana ababili bana 8. Umntwana munye unomlomo munye. Abantwana abathathu bana <p>3.2 Izinto ezibusontathu (3-D)</p> <ul style="list-style-type: none"> • Ukwaka umakhiwo obusobuthathu 3-D ngokuwususa emutlameninofana ikarada lesithombe <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Khe umakhiwo ngomtlamonofana ngesithombe. - Rubela/luke umncamo ngokuya ngokulandelana esithombeni esinkelweko. <p>“Ubujamo belog” amabhlogo wekghono.</p> <p>Nofana ngiziphi iintlabagelo zokwakha.</p> <p>Imincamo, intambo zamanyathelo.</p> <p>Imihlobohollo yamakarada agwaliweko atjiengisa ukulandelana kwemincamo.</p>	

Iveke 25	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi attadlululako	Imsetjenziswa eziphakanyisiweko
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukuqinisa ilwazi elifunyenwe evekeni yama 24 elifaka hlangana inomboro yesi 6 . <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 6.</p> <p>Ukubala uye phambili begodu uye emuya ukufika ku-6.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana” .</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadlwana Utijhere uwahlia izandla zakhe amahlandia asi 6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	Ilanga li 1 <p>lingoma zeenomboro nemidunduzelo</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Asidiale umdhalo:</p> <p>Utijhere ubeka ubujamo obukhulu benomboro yekhadbhoksinofana amakarada afaka hlangana iinomboro ku- 1 ukuya esi- 6 ngokulandelana phasi eflunwini..</p> <p>Utijhere unikela abantwana umyalelo njengokuthi:</p> <ul style="list-style-type: none"> - Hlala phezu kwenomboro si- 6. - Beka izwani wakho enomborweni yesi -3. - Gijima uzombeleze inomboro yesi -2 kathathu. - Yeqa yeqa phezu kwenomboro ku- 1. - Ngokukhamba kwesikhathi utijhere angaphadialaja amakarada wetshwayo lenomboro anikele iiyalelo ezifana nezangehla. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Abafundi aba:</p> <ul style="list-style-type: none"> - Bala izinto etlasini okufaka hlangana iinomboro ku- 1 ukufika kweyesi -6. - Utijhere ubeka izinto ngewobhu phezu kwetafula. Vumela abafundi ukulinganisa bonyana zizinto ezingaki ezingewobhini. Zibale emva kwalokho.

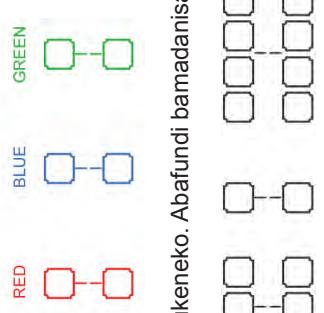
Iveke 25	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi attadlululako	Ukulginganisa ubude besikhathi	Ilanga li 1
1.3 Amatsihwayo weenomboro namabizo weenomboro	<ul style="list-style-type: none"> • Ukukhumbula nokubona itsihwayo lenomboro negama lenomboro elifaka hlangana inomboro yesi 6. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si- 6. Ukubala uye phambili begodu uye emuva ukufika ku-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Buza umbuzo wokobana ngimaphi amawahllo bekamanengi khulu/bekamancani khulu.</p>	<p>lingoma zenomboro nemidunduzelo</p> <p>Sebenzisa amajamonofana liinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Bonisa abafundi ifetjhi karada elinamaqtjhazi asithandathu begodu uihlobanise nenani eilinganako lezinto zokubala. - Diala umdialo wokukhomba itsihwayo lenomboro enqotjhiweko hlangana nezinye begodu uyihilobanise nenani elifanako lezinto zokubala. - Diala umdialo wokukhomba igama lenomboro enqotjhiweko hlangana nezinye begodu uyihilobanise nenani elifanako lezinto zokubala. - Diala umdialo ngokuhlobanisa inani lezinto zokubala negama lenomboro, itsihwayo lenomboro namakarada wenomboro. - Gadangisa umthihala wenomboro si -6 ngekhrayoni. 	<p>Ilanga li 1</p> <p>Isithombe sezinto ezisi 6</p> <p>6</p> <p>isithandathu</p>

Iveke 25	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi attadlululako	Uklinganisa ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokuphelleko	<ul style="list-style-type: none"> Ukuhlela nokumadanisa ibuthelolo lezinto usebenzise “okunengi kuna/okuncani kuna” begodu “nokulingana na” ukufika enomborweni si -6. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si-6. Ukubala uye phambili begodu uye emuva ukufika kusi-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlandla ambaddwana. Utijhere uwahla izandla zakhe amahlandla asi 6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Utijhere ubeka amawupsi amabili phasi. Ubiza abufundi aba-3 ukuzojama “ngendlwanienyonyi yinye” begodu nabafundi aba -2 ukuzojama “ngendlwanienyonyi yinye” . . . Niyiphi “indlwanienyonyi” enabafundi abanengi ngakiyo? <p>Ukusebenzisa izinto ezipathnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Abafundu bahala phezu kwemada benze iindlwana zeenyonii ezimbili ngewulu. Utijhere unikela iiplayelo isib. Abafundi babeka izinto zokubala ezi -2 “ngendlwanienyonyi yinye” begodu nazi -4 “ngendlwanienyonyi” enye. Ngiyiphi “indlwana yenyoni” enezinto zokubala ezinengi? Ngiyiphi “indlwana enezincaryana (ezimbadlwanai)”? Buyelela usebenzisa isivalo sesimumathi se-ayisikhrimu. Uneka amapeksi ama 3 ehlangothini elingaphezulu lesivalo begodu nana 3 ehlangothini langesidieni lesivalo. Ngiyiphi inomboro yamapeksi enengi kunene,nofana ziyaligana? 	<p>Ilanga li 1</p> <p>Khettha imisetjenzana embadlwana kuphelia</p> <p>lingoma zenomboro nemidunduzelo</p> <p>amawupsi ama 2</p>  <p>lingcenyeye ezi 2 zewulu zomunye nomunye umfundji</p>  <p>Izinto zokubala</p> <p>Amaphaksi wezambatto</p>  <p>Isivao sesnye nesnye isimumathi esiskwere</p>

Iveke 25 Umsebenzi waketlasini owođwa ohleliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Inhloko Amanothi attadlululako	Sebenzisa amajamo notana liithombe ezipheze ziphathike ezibusobubili (2-D) - Utijhere ubonis amakarada anenomboro ehlukileko yamaqtijhaci neenthombe.  - Vumela abafundi bamadanise amakarada aneenthombe begodu namaqtijhaci kiwo, begodu babone umqondo "wokunengi kuna", "wokuncani kuna", "wokulinganako." - Abafundi bagwala iindlwana zeenyoni esiquntwini sephetha. Lokha nabatjewako bapakela izinto zokubala endlwaneni yenyonu ngayinye begodu bahlabanise izinto zokubala endlwaneni ngayinye nekhrayoni. Bathuthukisa umqondo onjengokwabelana ngokulinganako isib.  - Yenza ukubuthelela kweenomboro ezizeleko neempendulo ezifaka hilangana neensalela isib. 	Insetjenziswa eziphakanyisiweko Isithombe namakarada wamaqtijhaci Izinto zokubala Iphepha le-A4 namakhrayoni wamaftutha
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokuphelleko	 • Ukwenza nokuzalisa amaphazeli wakho ama -5 Abafundib:	 - Gwala isithombe ephepheni le A4. - Utijhere ugwala imida ngemuva komgwalo wormfundi. - Umfundu uqunta isithombe sakhe emudeni onikelweko. - Umfundu uzalisa iphazeli yakhe	Amakhrayoni iphepha le-A4 Amakhrayoni linkero Imvillobhunofana isikhwama sokuzenzela sokubeka iphazeli (bhinca iphepha le-A4 unamathele amahlangothi)
3.3 Ubujamo obubusobubili (2-D)	 • Ukwenza nokuzalisa amaphazeli wakho ama -5 Abafundib:	 - Gwala isithombe ephepheni le A4. - Utijhere ugwala imida ngemuva komgwalo wormfundi. - Umfundu uqunta isithombe sakhe emudeni onikelweko. - Umfundu uzalisa iphazeli yakhe	Ilanga li 1 

Iveke 25 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi Ukularulula imiraro: Buza abafundi umbuzo: Kghani amagama anamaledere asithandathu anedumo na/manengi khulu na? Singathola bunjani? Ngiliphi ilwazi ekufarnele silibuthele?	Amanothi attadlululako Ukubuthelela idatha <ul style="list-style-type: none"> • Inani lamaledere egameni lomfundu <ul style="list-style-type: none"> - Abafundi babala inomboro yamaledere emagameni wabo elebulini yamagam wabo enziwe ngutijhere. - Utitjhere uphakamisa ikarada lenomboro elikhambisana nenomboro yamaledere egameni lomfundu begodu abuze: Ngubani onamaledere ama-4 egameni lakhe atijo aphakamise itshwayo lenomboro ku-4? Buyelela ngazo zoke iinomboro. Gwala igrafu <ul style="list-style-type: none"> - Utitjhere ugwala igrafu elandelako lokha nakaphakamisa inomboro: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Amaledere ama 3</th><th style="text-align: center;">Amaledere ama 4</th><th style="text-align: center;">Amaledere ama 5</th><th style="text-align: center;">Amaledere asi 6</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">Ann Sam</td><td style="text-align: center;">Kady Mark Maja</td><td style="text-align: center;">David Aidon Sarah Caleb Naila</td><td style="text-align: center;">Sophie Jessie</td></tr> <tr> <td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">5</td><td style="text-align: center;">2</td></tr> </tbody> </table>	Amaledere ama 3	Amaledere ama 4	Amaledere ama 5	Amaledere asi 6	Ann Sam	Kady Mark Maja	David Aidon Sarah Caleb Naila	Sophie Jessie	2	3	5	2	Insetjenziswa eziphakanyisiweko Amaledere ama 5
Amaledere ama 3	Amaledere ama 4	Amaledere ama 5	Amaledere asi 6												
Ann Sam	Kady Mark Maja	David Aidon Sarah Caleb Naila	Sophie Jessie												
2	3	5	2												
5.1 Ukubuthelela nokuhlela izinto ngemihlobo	Ukularulula imiraro: Buza abafundi umbuzo: Kghani amagama anamaledere asithandathu anedumo na/manengi khulu na? Singathola bunjani? Ngiliphi ilwazi ekufarnele silibuthele?	Ukubuthelela idatha <ul style="list-style-type: none"> - Abafundi babala inomboro yamaledere emagameni wabo elebulini yamagam wabo enziwe ngutijhere. - Utitjhere uphakamisa ikarada lenomboro elikhambisana nenomboro yamaledere egameni lomfundu begodu abuze: Ngubani onamaledere ama-4 egameni lakhe atijo aphakamise itshwayo lenomboro ku-4? Buyelela ngazo zoke iinomboro. 													
5.2 Ukujamiselela ibuthelelo lezinto elihlelekileko	Ukufunda nokurhumutjha igrafu <ul style="list-style-type: none"> - Utitjhere ugwala igrafu elandelako lokha nakaphakamisa inomboro: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Amaledere ama 3</th><th style="text-align: center;">Amaledere ama 4</th><th style="text-align: center;">Amaledere ama 5</th><th style="text-align: center;">Amaledere asi 6</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">Ann Sam</td><td style="text-align: center;">Kady Mark Maja</td><td style="text-align: center;">David Aidon Sarah Caleb Naila</td><td style="text-align: center;">Sophie Jessie</td></tr> <tr> <td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">5</td><td style="text-align: center;">2</td></tr> </tbody> </table>	Amaledere ama 3	Amaledere ama 4	Amaledere ama 5	Amaledere asi 6	Ann Sam	Kady Mark Maja	David Aidon Sarah Caleb Naila	Sophie Jessie	2	3	5	2	Ukufunda nokurhumutjha igrafu <ul style="list-style-type: none"> - Ngiliphi inomboro yamaledere evela kanengi egameni? - Magama amangaki anamaledere amanengi kunama 5? - Magama amangaki anamaledere angaphasi kwama 5? 	
Amaledere ama 3	Amaledere ama 4	Amaledere ama 5	Amaledere asi 6												
Ann Sam	Kady Mark Maja	David Aidon Sarah Caleb Naila	Sophie Jessie												
2	3	5	2												
5.3 Coca bewubike ngokuhlelw kwezinto ezibuthelelweko	Ukufunda nokurhumutjha igrafu <ul style="list-style-type: none"> - Ngiliphi inomboro yamaledere evela kanengi egameni? - Magama amangaki anamaledere amanengi kunama 5? - Magama amangaki anamaledere angaphasi kwama 5? 														

Iveke 26 Umsebenzi waketlasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi attadlululako
1.1 Ukubala izinto	<p>Ukuqinisa ilwazi elifaka hilangana iinomboro ku-1 ukufika kveyesi -6</p> <p>Zomlomo: ukubala izinto zangamalanga.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana” .</p> <p>Wahla izandla zakho amahlanda amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlanda ambadhwana Utijhere uwahla izandla zakhe amahlandia asi 6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Ukwakha amatswayo weenomboro ngemizimba yabo. - Ukuphakamisa inani lemino ngeenyalelo zakatijhere. - Ukwakha amatswayo weenomboro ngeenquntu zeentambonofana ihlama yokudala. - Ukuuza ubujamo beenomboro zekhadbhoksi ngemgodleni ufanise inomboro ngayinye. - Tiola amatswayo weenomboro ku-1 ukufika kveyesi -6 phasinofana emoyer ni!!.

Iveke 26	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoowa oheliwekokhkhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	
linhloko	Amanothi attadlululako	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bale izinto etlasini ezifaka hlangana iinombara enomboro ezsuka ku-1 ukufika kusi- 6. - Bale izinto zokubala ukufika enomborweni yesi- 6. - Beke amakh'yubhu weyunifikasi ambadiwana nofana izinto zokubala zemibalabala ngereyi phezu kwetafula. - Abafundi bamadanisa amakh'yubhu ngokufaka umbala basebenzisa amanye amakh'yubhu weyunifikasi nofana izinto zokubala. Isibono:  <p>- Yenza iinqheema zobude ezihlukeneko. Abafundi bamadanisa ngokuya ngobungako/ngobunengi.</p>	<p>Ilanga li 1</p> <p>Izinto etlasini.</p> <p>Izinto zokubala zemibalabala nofana amakh'yubhu wamayunifikasi</p>
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Ukwazi amatshwayo weenomboro nokukhumbula amagama weenomboro afaka hlangana iinomboro ku-1 ukuya kusi- 6</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si- 6. Ukubala uye phambili begodu uye emuya ukufika ku-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlanda ambadhwana. Utithere uwahla izandla zakhe amahlandla asi -6.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathike ezbisobubili (2-D)</p> <p>Asidale umdhalo:</p> <ul style="list-style-type: none"> - Utithere utiola igama lenomboro ehlangothini elinye lekarada atiole itsihwayo lenomboro ngakeliye ihlangothini lekarada lona lelo, elifaka hlangana iinombara ku- 1 ukuya kusi- 6 (yenza amasede ambadiwana). - Abafundi “bafundu” igama lenomboro begodu bafunisele itsihwayo lenomboro. - Baphendulela ikarada bazilungise bona ngokwabo. 	<p>Ilanga li 1</p> <p>Ingaphambil lekarada</p> <p>Ingaphandle lekaradda</p> <p>isithan- dathuu</p> <p>6</p> <p>Amakarada afaka hlangana iinomboro ezsuku ku- 1 ukufika kwyesi -6 negama lenomboro ehlangothini ellireye netshwayo lenomboro kelinye ihlangothi. (yenza amasede ambadiwana ukuze umfundu ngamunye athole ikarada ngalinye).</p>

Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoowa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi attadlululako Ukuqinisa umqondo “wokunengi nokumbadiwana”. Wahla izandla zakho amahlandia amanengi ... JAMA. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.	Ukulinganisa ubude besikhathi Ilanga li 1 lingoma zeenomboro nemidunduzelo
1.7 Ukuhlanganisa nokukhupha	<p>• Ukararulula imiraro yamagama ngomlo (iimbalo zeendatjana) ebujameni obuthize begodu ahlathulule iinsombululo zakhe emirarweni efaka hiangana inomboro yesi-6.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si-6. Ukubala uye phambili begodu uye emuva ukufika Ku-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadlwana Utijhere uwahla izandla zakhe amahlandia asи 6. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>Ukusebenzisa izinto eziphathhekako ezzibusontathu (3-D)</p> <ol style="list-style-type: none"> Nikela umfundii ngamunye isiquintu sephepha le-A4 elinomuda ogwalwe wajama rwe nezinto zokubala ezisi 6 isib. <div style="text-align: center;"> </div> <ol style="list-style-type: none"> Vumeia abafundi baphose izinto zokubala ngokuyetelela estiquntwini sephepha begodu bahiathulule bonyana ziwe bunjani isib. <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"> <p>Ku-4 na ku-2 → 6 (4 na 2 kukunikela 6)</p> </div> <div style="text-align: center;"> <p>Ku-3 na ku-3 → 6</p> </div> </div> <ol style="list-style-type: none"> Buyelela godu ngeenomboro ku-1 ukuya ku ku-5. <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"> <p>Ku-5 na ku-1 → 6</p> </div> </div> <ol style="list-style-type: none"> 4. Ukurarulula umraro: Hiathulula iinsombululo zakho zemiraro. Yenza njalo nangemiraro yokukhupha

Iveke 26	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Linhloko	Amanothi attadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
4.4 Umthamo/ lvolumu	<ul style="list-style-type: none"> • Yethula umqondo wokumeda umthamo ngokumadanisa bonyana iiimumathu ezihlukahlukeneko zithatha okungangani isib. - “okuzeleko/okunganalitho” - “okunengi kuna/okuncanci kuna” - okunengi/okuncanci <p>Yethula umthamo ebafundini ngokubabuza bonyana ngisiphi isimumathi esithwala okunengi. Esikhathini esinengi abafundi bamadanisa ubude kunomthamo. Isibonelo, lokha nababuzwa bonyana khuyini okumumatha okunengi, simumathi esidenofana isimumathi esifitjhani, abafundi abanengi bazokhetra isimumathi eside nalokha isimumathi esifitjhani ngokwediqiniso siphatha okusaketjezi okunengi.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>“Okunengi kuna/okuncanci kuna”</p> <ul style="list-style-type: none"> - Sebenzisa isimumathi sinye njengesimedo esihlelekileko isib. Ikopi leyogadi. - Nikela abafundi iiimumathi zemihlobohollo. <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Thole bonyana ngisiphi isimumathi esiphatha “okunengi” begodu ngisiphi esiphatha “okuncani kuna” kunesimedo esihlelekileko o.u ikopi leyogadi. Ngisiphi isimumathi esinokunengi? Ngisiphi isimumathi esinedlanzana? <p>Nikela abafundi isigobho nethunga elinesanda ukunghwathela isanda ngekopini.</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Bale bonyana zingobho ezingaki zesanda azithhogako ukuzalisa ikopi. Umsebenzi wokulinga ungenziwa ube budisi khulu ngokunkela ngaphezu kwsimumathi esisodwa isib. Ikopi, Irhalasi yeplastiki nejege encani. - Buyelela umsetbenzi usebenzise amakopi. 	<p>Ilanga li 1</p> <p>Khettha umsetjenzana munyenofana emibili kuphela</p> <p>Amanzi (ngesikhathi sokudala ngamanzi) nesanda (ngesikhathi sokudala ngesanda endaweni yokudala ngesanda) iindawo ezilungele ukuthuthukisa umtahmo.</p> <p>limumathi zemuhlobohollo zobujamo nobukhulu obuhlukeneko.</p> <p>Ikopi leyogadi</p> <p>Ithunga elinesanda Ibhigiri Illebhula letiye</p>	

Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi attadlululako Ukulinganisa ubude besikhathi Ilangga li 1
3.1 Ubujamo, ukujayenza nokubukela	<p>Ukuhlathulula into eyodwanofana ngaphezulu ezibosobathathu ezinetjhebiswano enye kwenye.</p> <ul style="list-style-type: none"> • Ubujamo bezinto ezimbilinofana ngaphezulu lokha nawuzihlobanisa enye kwenye. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Umsebenzi wephegibhodi</p> <p>Vumela umfundi bonyana athome ngokusebenzisa isandla sakhе sangesidleni emva kwalokho asebenzise sangesinceleni, bese ke azisebenzise zombili kanyekanye ukubeka amapegsi ebhodini.</p> <ul style="list-style-type: none"> - Utijhere utjela abafundi bonyana bawabeke kuphi amapegsi isib. <p>Ereyini elingaphezulu Ereyini elingaphasi Ehlangothini langesinceleni Ehlangothini langesidleni Phakathi nemdawo</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukwenza ubujamo phezu kwephegibhodi ngamapegsi anombara. - Utijhere ultama iphetheni elula ngamapegsi ephegibhodini yakhe begodu abafundi bakopa iphetheni yakhe ephegbhodini yakhe. - Abafundi bakopa iphetheni ekaradeni elinephetheni egwalwe kilo.

Iveke 27	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owođwa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)</p>			
Inhloko		<p>Amanothi attadlululako</p>	<p>Imisetjenziswa eziphakanyisiweko</p>	<p>Ukulinganisa ubude besikhathi</p>
1.1	<p>Ukubala izinto</p> <ul style="list-style-type: none"> • Thula ihlathululo yenomboro li-7 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7.</p> <p>Ukubala uye phambili begodu uye emuya ukufika li-7.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Qinisa ukubala ngeenomboro sikhundla:</p> <p>Utitjhore upakela izinto ezi-3 ngereyi. Ukhomba into ngayinye lokha nakabala <i>kokuthoma, kwestibili, kwestithatu, kwestine</i>.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahlia izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahlia izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-7.</p> <p>Buza umbuzzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere uhlukanisa abafundi ngeenqhema. Unikela isiqhema ngasinye amabholo ali-7 enziwe ngephephandaba. - Vumela abafundi baphosele amabholo ngethungeni. Abafundi kufuze babalele phezulu lokha nabaphosela amabholo. - Bala amahlandla utijhere aqoqoda ngawo phezu kwetafula umlingise. - Bala ukuya ngokulandelana kwamagido lokha abafundi nabehla iintebhisi, beqela ngaphakathi nangaphandile kwamawupsi. - Gadanga ngeenyawo ngokulandela amagido alandelanako. 	<p>Ilanga li 1</p> <p>Imidunduzelo yeenomboro neengoma</p>	<p>Amabholo wamaphephandaba</p> <p>Amathunga</p>	

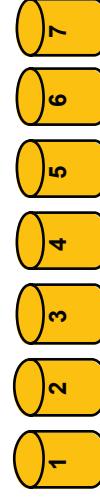
Iveke 27 Umsebenzi waketlasini owoowa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	<p>Isikhathi sokufunda esiphakanyisiweko:</p> <p>Utitjhere ubeka iwobhu lamabhlogo wokwakha ekabeneti yetlasi. Unikela iinlayelo ezinjengo:</p> <ul style="list-style-type: none"> - Thatha amabhlogo ama -3 ewobhini. - Thatha amabhlogo ama -4 ewobhini begodu ubuyisele mabili njil. - Utitjhere ubeka izinto ewobhini phezu kwetafula. Vumela abafundi balinganise bonyana zizinto ezingaki ezingewobhini. Zibale emva kwalokho. - Ukuuthuthukisa illemuko lokutijhejwa kwenomboro ngokuvumela abafundi ba pake izinto zokubala ezilkhombanofana nanyana ngiziphi izinto ngeendelia ezhlukeneko isib 		
linhloko	1.1 Ukubala izinto	Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)	Amanothi attadlululako
linhloko	1.1 Ukubala izinto	Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)	Amanothi attadlululako

Iveke 27	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owdwa ohleliweokhokhelwa ngutitjhore (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi	Ilanga li 1							
1.13	<p>Amanothi atladiululako</p> <p>Ukuhlanganisa nokukhupha</p> <ul style="list-style-type: none"> • Ukurarulula imiraro yokuuhlanganisa nokukhupha ngomlomo neensombululo ezifika kuli-7. <p>Zomlomo: Ukuhlanganisa nokukhupha ngomlomo neensombululo ezifika kuli-7. Ukuhlanganisa nokukhupha ngomlomo neensombululo ezifika kuli-7. Ukuhlanganisa nokukhupha ngomlomo neensombululo ezifika kuli-7.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana” .</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadlwana Utitjhore uwahlia izandla zakhe amahlandia asi-7.</p> <p>Buza umbuzo wokobana ngimaphi amahlandia wokuhwala izandla abe manengi khulu/ mancani khulu.</p>	<p>Insetjenziswa eziphakanyisiweko</p>								
1.6	<p>Amaqhingga wokurarulula imiraro</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Sebenzisa ileri yenomboro ebekwe phasi yaparalala (ngokuthabalala/buvundla) - Ngaso soke isikhathi thoma nge 0. Ngaso soke isikhathi bala lokha nawukhambako. <p>Utitjhore uyabuza bonyana:</p> <ul style="list-style-type: none"> - Ngiyiphi inomboro eza hlangana kweye 4 neyesi 6? Abafundi balemuuka ukusebenzisa ileri yenomboro. - Ngiziphi inomboro eziza hlangana kweye 2 neyesi 5? <p>Sebenzisa imiqondo yakho ukuvumela abafundi balemuuka ihlathululo lenomboro ye-7 ngokuphathelene nemizimba yabo.</p> <p>Ukusebenzisa izinto eziphathelako ezibusontathu (3-D)</p> <p>Nikela umfundi ngamunye imincamonofana izinto zokubala ezili-7.</p> <p>Buza imibuzo enjengoku:</p> <ul style="list-style-type: none"> - Tjhidisa into yokubala yi-1 ehlangothini elinye (esinceleni). Nasingafaka enye into yokubala kileya esesinceleni, sinazingaki kwanje? - Ku-1 naku-1 → 2 (utitjhore uthi: 1 na 1 ku 2) - Tjhidisa izinto zokubala ezi- 4 ngesinceleni. Nasifaka ezinye ezi-2 izinto zokubala ngesinceleni, sinazingaki? - Ku-4 na ku-2 → 6 - Unezinto zokubala ezi-5 ukhupha ezi-2, kussele zingdaki? 	<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> <p>Imincamonofana izinto zokubala</p> <p>lzinto zokubala</p>	0	1	2	3	4	5	6	7
0	1	2	3	4	5	6	7			

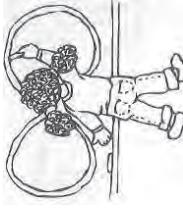
Iveke 27 Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
Inhloko	Amanothi attadlululako	
1.11 Imali	<ul style="list-style-type: none"> • UkuKhumbula nokubona imali yamaphepha yeSewula Afrika <ul style="list-style-type: none"> - Sebenzisa imali yamaphepha isib. R10, R20, R50, R100, R200 - Yenza abafundi bailemuke iinthombe zeembandana ezhilukeneko emalini yamaphepha. - Lingisa ngemali ehugwini "yendlu". 	<p>Ilanga li 1</p> <p>limbonelo zamambala zemai yamaphepha e-R10, R20 nama R50 (nofana usebenzise imali yokudila)</p>
1.9 Ukubuthelela nokwabelana okurholela ekuhlukaniseni	<ul style="list-style-type: none"> • Ukurarulula nokuhlathulula iinsombululo zemiraro yamagama ngomlomo ebujameni obuthile (iimbalo zeendatjana) ezifaka hlangana: <ul style="list-style-type: none"> - ukwabelana ngokulinganako, - ukubuthelela ngeenomboro ezizeleko/ezibanzi begodu - neensombululo ezineensalela ezifika enomborweni ye-7 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7.</p> <p>Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadiwana”.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utithere uwahla izandla zakhe amahlandla asi-6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	<p>Ilanga li 1</p> <p>Khetha kune nofana okubili kuphela kokuphathelene nokusikinyeka komzimba</p> <p>Imisetjenzana ephathhekako nephewe iphattheke</p> <p>lingoma zeenomboro nemidunduzelo</p>

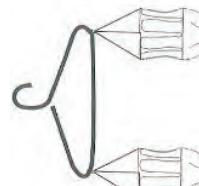
Iveke 27	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoowa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	
Inhloko	Amanothi attadlululako	Ukulinganisa ubude besikhathi
1.9 Ukubuthlela nokwabelana okurholela ekuhlukeniseni	<p>Okuphathelele nokusikinyeka komzimba</p> <p>Yenza amasede usebenzisa abafundi limboneolo:</p> <ol style="list-style-type: none"> 1. Vumela abafundi ukwakha iinqhema zanga 2, 3, 4, 5 nesi 6. Bala bonyana bangaki ngesiqhemeni. 2. Gwala ubujamo obukhulu ekhonkhridininofana esandini. Abafundi benza iziqhema isib. Abafundi aba 4 ngaphakathi kobujamo. 3. Ngesikhathi sejayezo leenqabuli utijhere uthi: “ ningakhamba ngesidhema sangabane ukuyohlamba izandla “kunokuthi” “Abafundi abane bangakhamba bayokuhlamba izandla zabo”. 4. Khettha abafundi abali -7 usebenzisa umdunduzelo wokubala. 5. Abafundi abali -7 abazenze anga bazinnyoni benze “umuthi wokudalisa” ngokusebenzisa iinthabagelo zokukhwea ngaphandle nofana iintulo namatafuila ngaphakathi. 6. Utijhere uthumela iinyoni ezi -2 “emuthini wokudalisa” (abafundi aba 2 bakhwele phezu kweenthabagelo). Enye inyonu godu ikhwela emthini ngasikhathi sinye. “ ziinyoni ezingaki ezsenthini njenganje, begodu ziinyoni ezingaki eziphasi?” 7. Buyelela ukubuthlela abafundi usebenzisa iinomboro ukusuka enomborweni ku-1 ukuya kwezili -7 	<p>Sebenzisa iintlabagelo ukukunikela umqondo wokuthi ungawasebenzisa njani amaqhinga ahlukahuleneko.</p>  <p>Izinto zokukhwelela nofana intatfula neentulo.</p> <p>Izinto zokubala</p> <p>Umfundi ngamunye uthola isiquantu sephepha nekrayoni</p> <p>Izinto zokubala</p> <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <p>limboneolo:</p> <ol style="list-style-type: none"> 1. Utijhere unikela abafundi izinto zokubala. Abafundi abenze isede yezinto zokubala ezi 4. Yenza enye isede yanga 3. “Zingaki izinto zokubala osele una zo ngesedeni etja?” 2. Abafundi abagwale iindulungu ezimbili esiquntwini sephepha. Ngokutjelwa ngutijhere, abafundi bapaka izinto zokubala emasedeni womabili ukwenzela bona. kube nezinto ezinengi zokubala esedeni yinje kunasesedeni enye. Buza imibuzzo enjenje: “Ngiyiphi isede enezinto zokubala ezinengi/ezincani?”

Iveke 27 Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	
linhloko	Amanothi attadlululako 4.4 Umthamo Umadanse ahlele izinto eziphathetkako asebenzsa llwazimagama ukuhlathulu a) umthamo b) okunganalitho, okuzeleko, okuncani kuna, okunengi kuna, okuncani <ul style="list-style-type: none"> • Qinisa ilwazi ellfumyenwe evezkeni yama 26 elifaka hlangana umthamo. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7. Ukubala uye phambili begodu uye emuya ukufika li-7. Ukubala okungakahaleki ukusuka ku 1-10. Qinisa umqondo “wokunengi nokumbadlwana” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadiwana Utijhere uwahla izandla zakhe amahlandla ali- 7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.
linhloko	Amanothi attadlululako 4.4 Umthamo Umadanse ahlele izinto eziphathetkako asebenzsa llwazimagama ukuhlathulu a) umthamo b) okunganalitho, okuzeleko, okuncani kuna, okunengi, okuncani <ul style="list-style-type: none"> • Qinisa ilwazi ellfumyenwe evezkeni yama 26 elifaka hlangana umthamo. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7. Ingoma yenomboro nemidunduzelo Qinisa umqondo “wokunengi nokumbadlwana” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadiwana Utijhere uwahla izandla zakhe amahlandla ali- 7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.
linhloko	Okuphathelene notusikinyeka komzimba Abafundi aba: <ul style="list-style-type: none"> - Lungisa iiumathu ezingenalitho ezmibili ukuya kwezintathu ezhilukuleneko ukwenzela umthamo. Ngamanye amagama ngisiphi isummathi esizokuphatha okunenginofana okuncani? Abafundi bangalinga ukufunisela kwabo ngokuthela iinkopi zamanzi ngeemumathini ezingenalitho begodu babale bonyana ngisiphi estithe einkopi ezinengi. Ngezelela inani leemumathu ezingenalutho ukwenza kubebudisi khulu. - Abafundi bangasebenzisa ikopi lelo njengesimedo bathole bonyana zinkopi ezingaki zereyisinofana zeembhontjisinofana isanda ezingazalisa iiumathu ezifana naleza ezisetjenziswe ngehla. - Hieila umhlobo ofanako weemumathi(isib. Amathunga emgodini wesanda) ukusuka kwesticani ukuya kwestikhulu. - Nikela abafundi umhlobohlobo weenummathi (zobukhulu/isayizi nobujamo obuhlukenenko) begodu ubuze imibuso enjengokuthi: <ul style="list-style-type: none"> ○ “Ngiziphi iiumathu kilezi ocabanga bonanya zipphatha isanda/amanzi amanengi? ○ Lokha nawuthela amanzi uwathetha kwestiriyee isimumathu uwathethel kwestine, funiseia bonyana uzowazalisa na?” - Abafundi abazitholele okwenzekako esimumathini samanzi esizalisiveko lokha nakufakwa izinto ezinganci isib. Faka amatiana anlanzekiko, amabhlogo weLegoo, amabhlogo wamplastiki abafundi bajabulela umdalo wokufunisela lapho bafunisela khona bonyana ngisiphi isummathi esiphatha okunengi begodu bahole imphumela ukubona bonyana ngubani ophumelelako. (utijhere uyatjo bonyana izinto eztayako ngeze zaba normthelela ekuphakameni kwamanz).

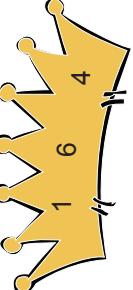
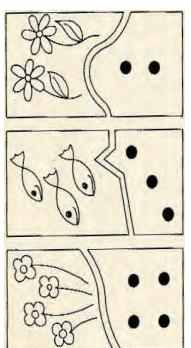
Iveke 28	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko		Amanothi atladdululako	Ukulinganisa ubude besikhathi
1.1	Ukuubala izinto	<ul style="list-style-type: none"> Ukuqinisa ilwazi elifunyenweko elifaka hlangana inomboroli-7 <p>Komlomo: Bala izinto zangamalanga ukufika ku-7.</p> <p>Bala uye phambili nasemva ukufika kweye 7.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho iamahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi 7.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	Ilanga li 1 Imidudunzelo yeenomboro neengoma
		<p>Okupathethlene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Abafundi ababili babazelwa phambili. Abanye abafundi bayababala. Abafundni ababili abaphambili baphakamisa itshwayo lenomboro elikhambisanako. Ubiza omunye godu umfundji aye phambili. Abanye abafundi bayababala. Umfundji munye phambili uphakamisa itshwayo lenomboro elikhambisanako elijinomboro yesi 3. Ragela phambili kuze kuge bafundi abali 7 phambili. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Beka amakorikoti ngereyi isib. 	<p>Amakarada wetshwayo lenomboro afaka hlangana iinomboro yoku 1 ukufika kweye 7</p> <p>Amabhlege ali-7 ananyatheliswe ngetshwayo lenomboro limbewunofana amatje</p>  <ul style="list-style-type: none"> Abafundi abafake imbewu/iitje linye ebhlegeni okuthoma, iimbewu ezimbili/amatje amabili ebhlegeni lvesibili, iimbewu ezintathu ebhlegeni lesithathu, begodu uragele phambili ukufikela lapho ibhlege linnani leembewu/lamatje njengombana kutjengisiwe ngaphandle kwebhlege. Thathha idllanza lamakhrayoni (hlangana kwe 10 ne 15) ulifake ekopini. Bawa abafundi bonyana bafunisele bona mangaki angekopini. Cocisanani neempendulo zabo. Batjengisa bona zibalwa bunjani nogokukhupha ngayinye bazibeke ngereyi.

Iveke 28	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
Inhoko	Amanothi atladdululako	Insetjenziswa eziphakanyisiweko
1.3 Amatsihwayo weenomboro namabizo weenomboro	<ul style="list-style-type: none"> • Ukukhumbula itsihwayo lenomboro negama lenomboro efaka hlangana inomboro ye 7 <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Diala umdhalo:</p> <ul style="list-style-type: none"> - Abafundi bahlala benze iindulungu. Beka ikarada yenomboro liqale phasi phambi komunye nomunye umfundsi. (Kungaba itsihwayo lenomboro, igama lenomboro, ikarada leqatijhazinofana ikarada iestithombe efaka hlangana iinomboro ukusuka kwa 1 ukuya kweye 7) - Fundisa abafundi ukudlulisela ikarada emfundini olandelako ngokuwatiheleisa aqale phasi eflurini/emadeni. - Abafundi bayavuma: inomboro eyifihlo”, inomboro eyifihlo, kungaba yini? Iza ngihole” - Abafundi bahlola amakarada wabo. - Utijhere uphakamisa ikarada lakhe lenomboro. - Abafundi abanekarada elifana ne karada laktitjhere, baphakamisela ikarada kaltitjhere phezulu begodu batijho bonyana: “ngizokuphakamisela ikarada lami phezulu, ukuze woke umuntu alibone”. 	<p>llanga li 1</p> <p>Isithombe esinezinto ezili 7</p> <p>7</p> <p>ikhomba</p>
3.2 Izinto ezibusontathu (3-D)	<p>Ukwakha izinto zakasobathatu (3-D) usebenzisa imethiriyali ephathenkako</p> <ul style="list-style-type: none"> • Kopa umakhiwo emtlameninofana ikarada yesithombe <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umfundsi wakha umakhiwo lowo ofanako ukusuka emtlameninofana esithombeni. - Kopa umtlamo ofanako esithombeni usebenzisa iphegibhodi. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Dilisela umsebenzi lo ebukghwarini bokubona.</p> <ul style="list-style-type: none"> - Nikela umfundsi ngamunye iphepha nemihobohollo yeendulungu ezikulu nezincani, aboncantathu neenkwere. <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Qunta ubujamo wakhe umakhiwo obusobubili (2-D) ephepheni begodu ubunamathisele. - Rhabisa iestithombe ngemigwalo. 	<p>“Amajamo weLogi” amabhlago wekhono</p> <p>“Amabhlago wobuchopho”nofana ngiziphi izinto zokwakha iphegibhodi.</p> <p>Ezinye nezinye iinttabagelo zokwakha. Iphegibhodi</p> <p>“Amajamo weLogi” amabhlago wekhono</p> <p>“Amabhlago wobuchopho”nofana ngiziphi izinto zokwakha iphegibhodi.</p> <p>Ezinye nezinye iinttabagelo zokwakha. Iphegibhodi</p> <p>Imihobohollo yeendulungu ezikulu nezincani, aboncantathu neskwere ephepheni</p> <p>linkero, isinamatheisi</p>

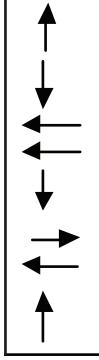
Iveke 28	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhoko	3.4 Isimethri	<p>Amanothi atladdululako</p> <ul style="list-style-type: none"> Thuthukisa ikghono lokweqa umuda ophakathi wangaphakathi Okupathelene nokusikinyeka komzimba <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> Buyekeza ilwazi langaphambili elifunyenweko; thinta iingcenyе zomzimba ezhuhukeneko ngelayelo. Dlala umdialo othi " uSimon uthi: thinta i " Nikela iinyalelo eziya phambili lapho abafundi nabeqa umuda wabo ophakathi njengokuthi: thinta idolo lakho ngepumulo. Thinta ihlombe lakho ngendelbe. Thinta idolo lakho langesinceleni ngenyawo langesidleni. Thinta indololwana yakho ngesandla sakho njil. 	<p>Imsjetjenziswa eziphakanyisiweko</p> <p>Ukulhumbula umuda wesimethri kuwe nasebhudulu-kweni</p> <ul style="list-style-type: none"> - Ukweqela ngale komuda ophakathi <p>Umdialo: " USimon uthi, ithinta I "</p> 
Sebenzisa izinto zakasobathatu (3-D) eziphathetekako	<p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> Gwala iindulungu ezikulu etjhogibhodini. Gwala umuda onqophileko etjhogibhodini. Yenza isiqiniseko sokobana umfundsi weqa umuda wakhe ophakathi. Etjhogibhodini gwala umuda ukusuka eqatijazini linye ukuya kelinye elikude. Gwala umgwalo othabaleleko wobunane etjhogibhodini. Sebenzisa imikhambo emikhulu ukuqinisekisa bonyana umfundsi weqa umuda wakhe ophakathi. <p>(umfundsi usebenzisa izandla zombili sesincele nescudla).</p>	<p>Sebenzisa amajamo notana liinthombe ezipheze ziphathetekе ezibusobubili (2-D)</p> <p>Hianganisa nobuKghwari Bokubona</p> <p>Vumela abafundi bonyan ba:</p> <ul style="list-style-type: none"> Pende iphepha elikabili lephephandaba ukusuka esinceeni ukuya esidleni. 	<p>Umfundi ngamunye unikelwa iphepha elikabili lephephandaba.</p> <p>Ipende nebratjhi</p>

Iveke 28 Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Isikhathi sokufunda esiphakanyisiweko: Ukuhlathulua bonyana: <ul style="list-style-type: none"> - ubudisi isib. Okulula, okubudisi, okulula khulu, okubudisi khulu <ul style="list-style-type: none"> • Yethula umqondo wobungako <p>Ukumeda ubudisi/imasi kuitijo ukuthola bonyana into inobudisi obungangani.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Abafundi abafunisele ubudisi/masi yei/bezinto:</p> <ul style="list-style-type: none"> - Bamba izinto ezilandelako, yinye ngesandleni esinye nesinye ukukghona ukufunisela bonyana ngiyiphi ebudisi khulunofana elula khulu isib. o Ilijje nebhlogo lokwakha. o Ikoloyi yokudlala yeplastiki nekolooyi yokudla yesimbi. o Ihlege lekofi nephepna langendwaneni. o Ibhola ekulu yeraba nebhlogo lekhrikhethe. <p>Esikhathini esinengi abafundi bajaja into ekulu njengebudisi lokha nabababawa bonyana abafunisele ubudisi bezinto ezimbili.</p> <ul style="list-style-type: none"> - Ukuhlula isikala sokudzimelela isib. Kala izinto ukubona bonyana ngibaphi abafundi abagade balungile. - Buza imibuzo enjengokuthi: "Ngiyiphi into ebudisana /eludlana?" Abafundi abathole into ngetlasini abacabanga bonyana ibudisana/ludlana kunezinto abazikaleko. - Yenza isikali sokudzimelela sibe khona ngesikhathi sokudala okutijhaphulukileko ukwenzela bona abafundi baragele phambili ngomsebenzi wokukala. - Beka isikali sokudzimelela "ehugwini yendlu" ukwenzelabona abafundi babone bonyana mabiloglo amangaki weLeggo akala ngokulinganako bne -apula, isibonelo, 	Ukulinganisa ubude besikhathi Usetjenziswa eziphakanyisiweko llanga li 1
4.3 Ubungako/ Ubudisi	<p>Ukuhlathulua bonyana:</p> <ul style="list-style-type: none"> - ubudisi isib. Okulula, okubudisi, okulula khulu, okubudisi khulu <ul style="list-style-type: none"> • Yethula umqondo wobungako <p>Ukumeda ubudisi/imasi kuitijo ukuthola bonyana into inobudisi obungangani.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Abafundi abafunisele ubudisi/masi yei/bezinto:</p> <ul style="list-style-type: none"> - Bamba izinto ezilandelako, yinye ngesandleni esinye nesinye ukukghona ukufunisela bonyana ngiyiphi ebudisi khulunofana elula khulu isib. o Ilijje nebhlogo lokwakha. o Ikoloyi yokudlala yeplastiki nekolooyi yokudla yesimbi. o Ihlege lekofi nephepna langendwaneni. o Ibhola ekulu yeraba nebhlogo lekhrikhethe. <p>Esikhathini esinengi abafundi bajaja into ekulu njengebudisi lokha nabababawa bonyana abafunisele ubudisi bezinto ezimbili.</p> <ul style="list-style-type: none"> - Ukuhlula isikala sokudzimelela isib. Kala izinto ukubona bonyana ngibaphi abafundi abagade balungile. - Buza imibuzo enjengokuthi: "Ngiyiphi into ebudisana /eludlana?" Abafundi abathole into ngetlasini abacabanga bonyana ibudisana/ludlana kunezinto abazikaleko. - Yenza isikali sokudzimelela sibe khona ngesikhathi sokudala okutijhaphulukileko ukwenzela bona abafundi baragele phambili ngomsebenzi wokukala. - Beka isikali sokudzimelela "ehugwini yendlu" ukwenzelabona abafundi babone bonyana mabiloglo amangaki weLeggo akala ngokulinganako bne -apula, isibonelo, 	<p>Ukulinganisa ubude besikhathi</p> <p>Usetjenziswa eziphakanyisiweko</p> <p>llanga li 1</p> <p>Khetha umsetjenzama munyenofana emibili kuphela</p> <p>Izinto ezibusontathu (3D) zobudisi nobukhulu obuhlukeneko isib. Amabiloglo weLeggo, amathoyisi, amabiloglo wokwakha, amabliege, iiumathni njil.</p> <p>Isikali sokudzimelela</p> <p>Ungenza isikali esilula:</p> <ul style="list-style-type: none"> - Uzothoga ihanghere yembaji yeplastiki, - Iiumathni ezimbili ezincani ezirondonofana amabhodlela weenseleo ezimakhaza neentambo. - Vula imigojana emibili iqalane emabhodleweni wesiseloesimakhaza. - Lengisa iiumathni/amabhodlela emkhawluweni yomibili yehangere – uzakuba nesikali. - Phanyeka ihangere espiririninofana ehugwini begodu abafundi bangathoma bakale – - Bonisa abafundi bonyana ihangere kufuze ithome ngokudzimelela esikhathini ngasinye sokuthoma ukukala. 

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliwekokhkhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadlululako	Ukulinganisa ubude besikhathi	
1.1	<p>• Ukuqinisa ilwazi elifaka hlangana iinomboro ku-1 ukuya kweye 7</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7.</p> <p>Ukubala uye phambili begodu uye emuya ukufika li-7.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadlwana. Utijhere uwahla izandla zakhe amahlandia ali-7.</p> <p>Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Ukusebenzisa izinto eziphathhekako ezbisontathu (3-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Buthelela amaqwatihi. Wabeke ngetasini ukuzzowaseberenzisa godu. - Sebenzisa amaqwatihi wakhlo isib. Uktutola itshwayo lenomboro ku-5.  <p>Amaqwatihi</p>	<p>Ilangga li 1</p> <p>Imidunduzelo yeenomboro neengoma</p> <p>Isithombe namafletjhji karada anamaqatjhazi afaka hlangana inomboro yoky 1 ukuya kweye 7</p> <p>Itshwayi lenomboro negama lenomboro efaka hlangana inomboro ezsuka kwe 1 ukuya enemborweni ye 7 isib.</p> <ul style="list-style-type: none"> • Isithombe esinezinto ezi 7 • 7 • ikhomba 	<p>Iphepha nekhrayoni</p>

Iveke 29 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko 1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Amanothi athadlululako</p> <ul style="list-style-type: none"> Ukukhumbula itsinwayo lenomboro negama lenomboro efaka hlangana lenomboro yoku <p>1 ukuya kweye 7</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7. Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlanda amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlanda ambadlwana. Utijhere uwahla izandla zakhe amahlanda asi 7. Buza umbuzo wokobana ngimaphi amahlanda wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Beka amakarada wetshwayo lenomboro amakhulu magega netlasinofana endaweni yangaphandle yokudialela. - Biza indawo “iphasi lenomboro” begodu abafundi ba “MaKhosi weetNomboro begodu/nofana ikosazana yeeNomboro” Beka umqhele ehlokweni yomunye nomunye umfundi eyenzwi ngekhadibhoksi, ngeenomboro ezitlowe zabonakala kiyoo. - Nikela abafundi linyalelo njengokuthi: <ul style="list-style-type: none"> o Abantwana boke abantwana abereenhluhu ezide, khamba ngamazonzwani niyokufika enomborweni yesi 6. o Boke abantwana abereenhluhu ezide, khamba ngamazonzwani niyokufika enomborweni yesi 6. 	<p>Ukulinganisa ubude besikhathi</p> <p>llanga li 1</p> <p>Insetjenzisawa eziphakanyisiweko</p> <p>lingoma zenomboro nemidunduzelo</p> <p>3 5 2</p> <p>Amakarada amakhulu wamatshwayo weenomboro</p> <p>Inani elaneleko lemighele yeenomboro lomfundni nomfundi elenziwe ngekhadibhoksi elittolwe iinomboro.</p>  <p>Iphepha nekrayoni</p> <p>Ngaphezu kwesede yiny yamakarada weenomboro ezifaka hlangana iinomboro ukusuka kweyo 1 ukuya kweye 7 isib</p> <p>7</p> <p>ikomba</p> <p>Isthombe esinezinto ezili 7</p>
<p>Sebenzisa amajamonofana liinthombe ezipheze ziphathike ezbisobubili (2-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Gwala inani lamaqtjhazi ngeenyalelo zakatijhere isib. Gwala amaqatjhazi ama 2. Buyelela ngeenomboro ezisku kwe 1 ukuya kweye 7. - Yiba namasede amanengi wamatshwayo weenomboro namakarada wamagama weenomboro atholakalako. Nikela umfundi ngamunye ikarada linye. Utijhere uphakamisa ikarada begodu abafundi abaphethe elifana nelakhe baphakamisa wabo. - /siphakamiso: Bandakanya abafundi ekwenzeni amakarada wabo. - Dlala imidlalo yokumadanisa ngamafletjhi karada wetshwayo lenomboro nawegama lenomboro.  		

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owodfa oheliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhoko		Amanothi athadlululako	Ukulingesanisa ubude besikhathi
1.7 Ukuhlanganisa nokukhupha	<ul style="list-style-type: none"> • Ukurarulula imiraro yokuhlanganisa nokukhupha ekuhunywe ngomlomo neensombululo ezifika kuli-7. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7. Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utithere uwahla izandla zakhe amahlandla asi 7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphatheleene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Qala iimveke 24 no 27 ukuthola umbono - Sebenzisa ilwazi lakho ukuvumela abafundi balemuke ihlahthululo lenomboro ye 7 ngokuphathekako basebenzise ukusikinyeka kwemizimba yabo. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Qala iimveke 24 no 7 ukuthola umbono - Sebenzisa ilwazi lakho ukuvumela abafundi balemuke ihlahthululo lenomboro ye 7 ngokusebenzisa izinto ezibusontathu eziphathenkako. 	Insetjenziswa eziphakanyisiweko llanga li 1 Lingoma zeenomboro nemidunduzelo Izinto zokubala	

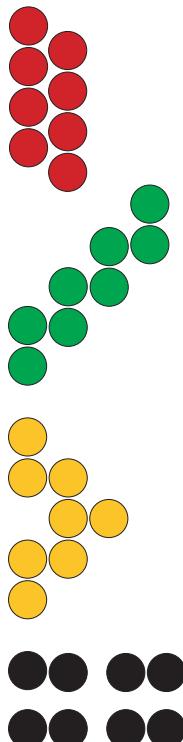
Iveke 29 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadlululako	Ukulinganisa ubude besikhathi llanga li 1
3.1 Ubujamo, ukujayenza nokubukela	<p>Landela ikombatjhuba ukhambe nofana uzibekе endaweni ethize (ikombatjhuba) Ukuthuthukisa umuzwa wekombatjhuba ngokkusebenzisa abotijhobi bamafljetjhi karada begodu bnetjhadi labotijhobi.</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Vumela abafundi ukukhamba batjinge emahlangothini ahlukaneko:</p> <ul style="list-style-type: none"> - emnyango - efesidereni - ehugwaneni yeencwadi njil. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Gwale ubujamo obuthabaleleko benomboro bunane ejhogibhodini. Qinisekisa bonyana abafundi beqa umuda wabo ophakathi wangaphakathi isib. 	<p>Iljhogibhodi</p> <p>Iljhadi labotijhobi (iphosta enabotijhobi abaqale emahlangothini ahlukaneko))</p> 
Sebenzisa amajamo nofana iinthombe ezipheze ziphathetke ezibusobubili (2-D)	<p>Vumela abafundi ngayedwana nofana neenqhemza ezincani ba:</p> <ul style="list-style-type: none"> - Hiale baqale ifletjhi karada begodu bakhambise umkhono wabo utjinge lapho ikombatjhuba iqale ngakhona begodu akhulumo lokha nawenzako isib. Lokha umfundsi nakakhupa umkhono wakhe, kufuze atjho bonyana "ngesidleni". - Amakhambo wokuya phasi naphezulu umfundsi angasebenzisa nofana ngimuphi umkhono. - Tjengisa ikombatjhuba ejihadini labotijhobi. - Namathisela umthala weenyawo ekombatjhubeni yokuya emnyango. <p>Itheminoji / amagama azokusetjenziswa:</p> <p>Phezulu/phasi; phakathi/ ngaphandle;phezulu/phasi;phambili/emva; ngaphambili/ngemva; ngaphezulu/ngaphansi nofana phezulu/phasi/ngaphasi; Ihangothi linye/ihangothi elinye; eqadi kwa; esinceleni/esidleni</p>	

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliwekokhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhoko		Amanothi athadlululako	Ukulinganisa ubude besikhathi
4.3 Ubungako/ Ubudisi	<p>• Ukuqinisa ilwazi elifunyenwe evekeri yama 28 etaka hlanguana ubudisi elula khulu/ebudisi khulu</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Madanisa ubudisi beemumathsi ezintathu ukuya kwezihlanu ezifanako (isib. Amabhegle angenalitho we 400g) aphethi amanani ahlukeneko wesanda, ukwenzela bona ubudisi bawo buhluke. - Abeke ngokulandelana ukusuka kweililula khulu ukuya kwelibudisi khulu ngokuzwa ubudisi. Emva kwalokho isikali sokudzimelela singasetjenziswa ukutijo bonyana abafundi bebagade baqinisilenofana awa. - <i>Isiphakamiso:</i> <p>Linga bona mawatjhere nofana iimpikiri ezingafakwa esikalini bona sithole ubudisi obuhlinganako. Kungasetjenziswa ezinye nezinye izinto.</p> <p>Utitjhere ubeka ama-athikili anobudisi obuhlukileko eemumathini ezivalekileko ezifanako isib. limumathzi zeitjihiuzi , sinye siphethe ibhlogo esinye siphethe ibholo yetenese.</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bezwe umehluko hlanguana kobudisi bezinto ezimbili begodu bafunisele bonyana ngiyiphi elula khulu nofana ebudisi khulu. - Sebenzisa isikali sokudzimelela ukufika ependulweni ekungiyo. - Tjhijila abafundi ukuthola izinto ngetasini ezinobudisi obufanako. <p>Umgodi wesanda nendawo yamanzi yokudlala ziindawo ezinesizo okufanele zisetjenziswe ukuqinisa umqondo onjengobulula/obubudisi/obubudisi khulu usebenzisa izinto zokubala zobukhulu obuhlukeneko isikali sokudzimelela, isanda emanzana newomileko.</p> <p>YELELA: Hlala nabafundi lokha nabakhulum, bacocisankako begodu nabahlathululako.</p>	<p>lisetjenziswa eziphakanyisiweko</p> <p>llanga li 1</p>	

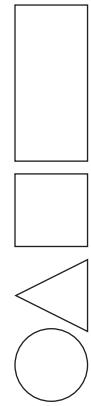
Iveke 30	Sebenzisa liimveke ezili 30 ukutjheja ubuthakathaka bomqondo begodu /nofana iinqabi zokufunda ezitholakeleko.
Okumumethweko Inomboro, ama-Opharetjhini Nobudlewana	<p>Ishlolo</p> <p>1.1 Ukubala</p> <p>Linganisa begodu ubale ngokungakahleleki kufika ku li- 7 (lingoma zeenomboro nemidunduzelo ifakwe hanngana ukuthuthukisa umqondo weenomboro)</p> <p>Bala uye emuva naphambili (1-7)</p> <p>Ukwazi bona ngiliphi ihlandha lokuwahla elinengi/elimbalwa</p> <p>Ukukhumbula iinomboro endaweni ejayelekileko isib. Unyaka, iregista (hlola godu) Ukwazia matshwayo weenomboro 5, 6, 7</p> <p>Ukukhumbula amabizo weenomboro kuhlanu, sithandathu, likhomba.</p> <p>Ukuhlukanisa phakathi kwaka kunengi, kuncani begodu kuyalingana, okunengi nokuyidlanzana ukufika ku li - 7</p> <p>Ukukhumbula umbala begodu neenlwana ezihlukahlukeno ezesmalini yephepha ye Sewula Afrika.</p> <p>1.6 Amakghono wokuruluu Imiraro</p> <p>1.7 & 1.13 Ukuhlanganisa nokususa/ UkuKhupha.</p> <p>Ukuhluhulula ukucabangga kwakhe ngamagama begodu nangokugwalanofana izinto eziphathetkako.</p> <p>Ukusombulula imiraro yokuhlanganisa nokukhupha ngehloko ukufika ku ku - 7</p> <p>Amaphetheni, amaFanktjhini & Aljbra</p> <p>2.1 Amaphethini weJiyomethri</p> <p>3.1 Ubujamo, ukuzijayeza nokubukela</p> <p>Ukwazi ubujamo bezinto ezimbilinofana ngaphezelu mayelana nenyekwentye - Ngaphambipi kwe, ngemva, phezu kwe, phezu, ngaphasi, eduze ne, phakathi, ngesinceleni, ngesidleni</p> <p>UkuKhupha iinlayelo ngephegibhodi</p> <p>Ukwazi ikombatjhuba etihadini labotjhobi.</p> <p>3.2 Izinto ezibusobuntathu (3-D)</p> <p>Ukwakha ususela esibonelweni sokwakha esinikelweko.</p> <p>3.3 Ubujamo obubusobubili (2-D)</p> <p>UkuKhumbula, ukubona nokurijo isikwere.</p> <p>Ukuzwisisa ukungatkijuguluki kobujamo obufundiweko ukufikela ngalesiskhathi (ukubulunga ubujamo)</p> <p>Ukumeda</p> <p>4.2 Ubude</p> <p>4.3 Ubudisi /Ubungako/imasi</p> <p>Ukuzwisisa imiqondo othi "kulula, kubudisi:kuludlana, okubudisana; okubulula khulu,okubudisi khulu"</p> <p>4.4 Umthamo/ivolumu</p> <p>Ukuzwisisa umqondo othi "okunganalitho,okuzeleko , okunengi kuna, okuncani kuna"</p>

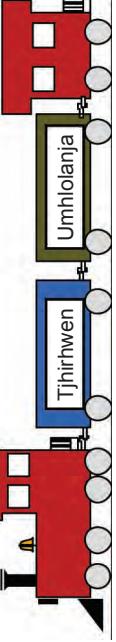
Ukuphattha Idatha	5.1 Ukubuthelela nokuhela izinto	Kghona ukubuthelela, ukuhela ngamananeko ukugwala, ukufunda nokujamisela, (tsenga) izinto ukuya ngakhunye okuphawulekako .
	5.2 Ukujamisela ibuttelelo lezinto ezheliweko	
	5.3 Ukuocisana nokuletha umbiko ngezinto ezisebuthelelweni eliheliweko.	

TERM 4 MATHEMATICS GRADE R														
Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahliwa ngutitjhhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)		Isililinganiso sesikhathi.											
linhloko	Amanothi atihadhulako	linsetjenziswa ezinyulwako	llanga li-1											
1.1	<p>Ukwethulwa kwehlathululo yenomboro yobu-</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukubala okungakahaleleki ukusuka ku 1-10.</p> <p>Ukwazizai ukwethulwa ukubala ngakubili kusetjenziswa umndunduzelo.</p> <p>Ukuqinisekisa ukubala ngeenomboro sikhundla. Utitjhere upaka izinto ezi-4 ngereyi. Ukhomba enye nenyi into ngesikhathi abala <i>kokuthoma, kwestibili, kwesithathu, kwesine</i>.</p> <p>Ukuqinisekisa umqondo “wokunengi nowokumbadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utitjhhere uwahla izandla zakhe amahlandia abu-8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemidunduzelo yeenomboro.</p> <p><i>Kubili,kune,sithandathu,bunane.,, Indoda yinye ehegeni. Ut hi uladelwe khulu; Kubili,kune,sithandathu,bunane</i></p>	<table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table>	0	1	2	3	4	5	6	7	8		
0	1	2	3	4	5	6	7	8						
	<p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babale amagadango abumane ngesikhathi bakhambahamba ngeklasini. - Bonisa imino ebunane. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Basebenzisa iieri yenomboro elele phasi (ethabaleleko) - Qinisikisa bonyana abafundi ngasosoke isikhathi bathoma ku-0 (lize) - Ukubona amatishwayo wenomboro ngesikhathi bakhambahamba phezu kwenambalayini. - Khamba phezelu kwengcenyenye enye nenyi ngesikhathi kubalwa ngegido. 	<p>Isede yamatletjhikarada wamatishwayo weenomboro ukusuka keyo-1 ukufika keye-8</p>												

Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi mune weklasini ohleliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)					
linhloko	<p>Amanothi athadhlulako</p> <ul style="list-style-type: none"> Ukukhumbula amatshwayo weenomboro namagama wenomboro <p>Ukusebenzisa izinto eziphatnekako ezbisontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukubala izinto ngeklasini ezifaka hlangana iinomboro kusukela keyo-1 ukufika keyo-8. - Bala izinto zokubala ukufika enomborweni yobu-8 - Ukuthuthukisa ilemuko lobunialo benomboro ngokungatjhugulu naryana ibekwe ngayiphi indleta, ngokuvumela abafundi bonayana bapake izinto zokubala ezibunane nga nanyana ngiziphi iindlela ezhilukahlukeneko isib  <p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibone lo:</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezi-8 amapenseia abu-8 amawupsi abu-8 abafundi ababu-8 njil. - Kubale ngeendelia zehlelo elihlukileko isib, zibale zirhatijhekile, zihalelene, zisemudeninofana ngehobhu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezbisobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuddala umdlalo ngokuhlobanisa inani lezinto zokubala negama lenomboro, itshwayo lenomboro amaqtjhazi begodu namakarada wesithombe afaka hlangana inomboro yobu-8. - Ukugadangisa inomboro yobu-8 ngekhrayoni. 	<p>Isilinganiso sesikhathi.</p> <p>linsetjenziswa ezinyulwako</p> <p>llanga li-1</p> <p>Isede yezinto ezi-8 ngetasini Izinto namkha izinto zokubala.</p> <p>Izinto zokubala ezi-8 namkha izinto ezi-8</p> <p>Iftetjikarada yetishwayo lenomboro negama lenomboro,amaqtjhazi neenthombe.isib:</p> <table border="1"> <tr> <td>Isithombe sezinto ezi-8</td> <td>8</td> <td>Bumane</td> </tr> </table> <p>Amakhrayoni</p> <p>Izinto zokubala.</p>	Isithombe sezinto ezi-8	8	Bumane	
Isithombe sezinto ezi-8	8	Bumane				

Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekласini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako Isilinganiso sesikhathi.
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleleko	<ul style="list-style-type: none"> Ukusebenzisa inomboro bu-8 ebujameni obujayelekleko Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukuqinisa ukubala ngakubili kusetjenziswa umdunduzelo wenomboro. Ukuqinisekisa umqondo “wokunengi” na “mbadlwana” . Wahla izandla zakho amahlandia amanengi ... JAMA. Wahla izandla zakho amahlandia ambadlwana. Utitjhore uwahlia izandla zakhe amahlandia abu-8. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu. <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Kwenza inomboro yobu-8 ngemino yabo. - Babumbe/ bakhe inomboro ngeentokana zentambonofana iderhe yokudala. - Uktiila amashwayo wenomboro ngethreyini yesanda. - Beka amakarada wetshwayo lenomboro amakhulu phasi ngokulandelana ukufika kwelobu-8. <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <p>Utitjhore unikela umfundi ngamunye iimbhontjisi ezi-8 nefletjhikarada elinamaqtjhazi abu-8 phezu kwalo.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bapake ibhontjisi phezulu kelinye nelinye iqatjhazi lefletjhikarada. - Bala iimbhontjisi. - Hlobanisa fletjhikarada lamaqtjhazi nefletjhikarada legama lenomboro nezinto zokubala. 	llanga li-1 lingoma nemidunduzelo yeenomboro Intambo/lwulu namkha iderhe yokudala. Ithreyi enesanda Isede yamakarada amakkulu wamatshwayo weenomboro. Amabhortjisi abu-8 umfundi ngamunye. Ilefletjhikarada yeqatjhazi igama lefletjhikarada nezinto zokubala. Setsihwantsho sa dintho tse 8 Bunane

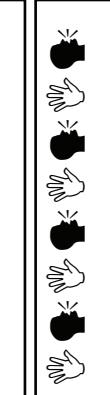
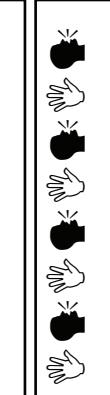
Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekласini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)		
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi.
3.3 Ubujamo obubusobibili (2-D)	<p>UkuKhumbula, ukubona begodu nokunkikela igama lezinto zobujamo obusobibili ngeklasini kunye neenthombeni.</p> <ul style="list-style-type: none"> - uncamane • Ukwethula uncamane. <p>Okupathethelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bathole/bona:</p> <ul style="list-style-type: none"> - Babumbe amajamo ngemizimba yabo isib. Abafundi abasi-6 babumba uncamane ngemizimba yabo. - Ukwenza uncamane basebenzisa imino yabo. - Ukwenza/ukubumba uncamane ngeengcezu zewulunofana iderhe yokudlala. - Khambe magega nobujamo bakancamane. Ngesiskhathi abafundi nabakhambako bathi "Ngikhamba magega noncamane-ihlangothi linye elide, ihlangothi linye eliftjhani, elinye godu ihlangothi elide, nelinye godu ihlangothi eliftjhani. - Thinta ubujamo. Sebenzisa ubujamo obukhulunofana faka amabumbeko wobujamo ahlukahlukeneko emgodieni ophethe izinto okufanele umfundi afuniselle ngokuzwa/ngokuthinta bonyana ubarbe ini(isikhwama setjila esinerege phezulu) Yiba namakarada wamasede ametjhā nobujamo obugwale phezu kwavo. Umfundi "uthintā" ubujamo obungesikhwameni begodu abumeijhise namakarada. - Gwala ubujamo bakancamane emoyeni, phasi/efluwini (ngetjhogo) begodu ekugcineni ephepheni . <p>Ukusebenzisa izinto ezipathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi batfune izinto ezinguncamane ezingetasini.</p> <p>Sebenzisa amajamonofana liinthombe ezipheze ziphatheke ezibusobibili (2-D)</p> <ul style="list-style-type: none"> - Ukubona amabumbeko waboncamane eenthombeni. - Ukubona woke amabumbeko azisiweko/ athuliweko bekube ngalesi sikhathi eenthombeni. <p>Hlela izinto ezibusontathu (3-D) namajamo abusobibili ukuya ngesayizi, umbala, nobujamo</p> <ul style="list-style-type: none"> - Hlela izinto ezibutheleweko ngokuya ngamasayizi, umbala, begodu nobujamo. 	<p>llanga li-1</p> <p>Imidlalo yamakarada athuthukisa ukubona amajamo.</p> <p>lwulu namkha iderhe yokudlala.</p> <p>umgodlana ophethe izinto okufanele umfundiselle ngokuzwa/ngokuthinta bonyana ubarbe ini(isikhwama setjila esinerege phezulu) onamajamo ahlukeneko wejyometri.</p> <p>Ukukhambelanisa isede yamakarada enamajamo agwaiwe phezu kwavo.</p> <p>Iphepha le-A4 namakhrayoni.</p>	<p>lzinto eziboncamane ngettasini. Woke amajamo atfundiweko ukufika gadesi.</p> <p>linthombe ezhilukeneko ezinamajamo kizo.</p> 

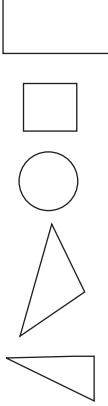
Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Amanothi athadhlulako	Inisetjenziswa ezinyulwako	Isilinganiso sesikhathi.																				
5.1	Ukubuthelela nokuhlea izinto ngemihlobo <p>Buthelela begodu uholele idatha</p> <ul style="list-style-type: none"> Ukuqinisa umqondwo wokuphatha idathangokubuthelela izinto ngetiasini namkha ebhodulukweni ukuya ngamatshwayo abekiweko. Isibonelelo Amalanga wamabeletho wabafundi. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Ngokusebenzisa itjhadji lamalanga wamabeletho, thola bona malanga wabobarni wamabeletho angayiphi inyaga. Abafundu barhelebha ngokwenza igrafu ukubona bonyana kungayiphi inyanga yomnyaka lapha kwaba namalanga wamabeletho amanengi khulu. Utitjhore ugwaia igrafu yeenyangga ezi-12 zonyaka. Ngerhelebho lakanitjhore, abafundi babeka/baplotra igrafu ngokuya ngesikhundla senye nenyne inyanga yamabeletho yomunye umfundi. 		Itjhadji lamalanga wamabeletho.	Itjhadji lamalanga wamabeletho.																				
5.2	Ukujamiselela ibuthelelo lezinto elihlelekileko <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Tjh</th> <th>Mhl</th> <th>Nt</th> <th>Sihlab</th> <th>Mrh</th> <th>Jun</th> <th>Vhl</th> </tr> </thead> <tbody> <tr> <td>Sipho Martha Helen Dolly</td> <td>David Bongi Claire</td> <td>Nelson Jacob Tim</td> <td>Kabelo Pat Thandi</td> <td>Selina Liz Titus</td> <td>Thabo Jane</td> </tr> <tr> <td>4</td> <td>3</td> <td>0</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Abafundu babala amagama begodu bebatole inani lamalanga wamabeletho ngaphasi kwenye nenyne inyanga. Abafundu bamadanisa inomboro yamalanga wamabeletho eenyangeni ezihlukahlukeneko. <p>Utitjhore ubuza imibuzo efana nale:</p> <ul style="list-style-type: none"> Ngiyiphi inyanga enamalanga wamabeletho amanengi khulu kunamanye? Ngiyiphi inyanga enamalanga wamabeletho ambadlwana khulu?" Ngiziphi inyanga ezinamalanga wamabeletho alinganako. Ngiyiphi inyanga enabesana abanengi abagdinga amalanga wabo wamabeletho. Ngiyiphi inyanga enabentazana abanengi abagdinga amalanga wabo wamabeletho. <p>Abafundu bacoca ngemphetho ezilandelako:</p> <ul style="list-style-type: none"> UTjirrhweni unamalanga wamabeletho amanengi. Abafundi abane bagdinga amalanga wabo wamabeletho ngoTjirrhweni. Alikho ilanga lamabeletho eligidgingiweko ngoNtaka. Kunenyangga yi-1 kwaphela lapho kungagidgingwa khona ilanga lamabeletho. Ezinye inyanga zinenani ellingtonanako lamalanga wamabeletho njii. Ngiziphi inyanga lezo? 	Tjh	Mhl	Nt	Sihlab	Mrh	Jun	Vhl	Sipho Martha Helen Dolly	David Bongi Claire	Nelson Jacob Tim	Kabelo Pat Thandi	Selina Liz Titus	Thabo Jane	4	3	0	3	3	3	2	<p>Ikarada elinamabizo wabafundi phezuukwalo.</p> <p>Gwala amakholomu ali-12 phezu komittlele omkhulu wephepha. Tiengisa ngegama lekarada bona kungaziphi inyanga lapho abafundi bagdinga khona amalanga wamabeletho. Sebenzisa ± 3 amaphephwa wokhulu be A 2 anamakholomu ali-12 agwalwe phezu kwawo.</p>		
Tjh	Mhl	Nt	Sihlab	Mrh	Jun	Vhl																		
Sipho Martha Helen Dolly	David Bongi Claire	Nelson Jacob Tim	Kabelo Pat Thandi	Selina Liz Titus	Thabo Jane																			
4	3	0	3	3	3	2																		
5.3	Coca bewubike ngokuhlelwa kwezinto ezibuthelweko <ul style="list-style-type: none"> UTjirrhweni unamalanga wamabeletho amanengi. Abafundi abane bagdinga amalanga wabo wamabeletho ngoTjirrhweni. Alikho ilanga lamabeletho eligidgingiweko ngoNtaka. Kunenyangga yi-1 kwaphela lapho kungagidgingwa khona ilanga lamabeletho. Ezinye inyanga zinenani ellingtonanako lamalanga wamabeletho njii. Ngiziphi inyanga lezo? 																							

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahliwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yembaalo ngeveke)		
linhloko	Amanothi atthadhulako	Isilinaniso sesikhathi	linsetjenziswa ezinyulwako.
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukuqinisa ilwazi elifunyenwe evezeni yama 31 elifaka hlangana inomboro yobu-8. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu-8. Ukubala uye phambili begodu uye emuya ukufika bu-8. Ukubala okungakahleleki ukusuka ku 1-10. <p>Ukuqinisekisa ukubala ngakubili ngokusebenzisa imidunduzelo yeenomboro</p> <p>Ukuqinisekisa umqondo “wokunengi” na “mbadlwana” .</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utitjhore uwahla izandla zakhe amahlandla abu-8.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe kunengi /kuncani .</p>	<p>Ungoma nemidunduzelo yeenomboro</p> <p>llanga li-1</p>	

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahliwa ngutitjhhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Amanothi atthadhulako Isilinganiso sesikhathi Insetjenziswa ezinyulwako.
linhloko	<p>1.1 Ukubala izinto</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Sebenzisa izinto zokubala ukubona bona ngiyiphi inomboro eza ngaphambhi kweyo-8 begodu emva kweyesi-5? Ngiyiphi inomboro ehlangana neyesi-6 neyobu-8? - Bala izinto ngazimbili, (ngakibili): <ul style="list-style-type: none"> o Ipara yamanyathelo, o Ipara yamakowusu, o Ipara yamehlo, o Ipara yamacici. o Ipara yeendlebe, o Ipara yemilenze. <p>Sebenzisa amajamo notana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Lokha uitjhhere nakathatha irejista yokuza esikolweni ubuza abafundi: "Ngabe umfundi ohiala enomboweni yendu namkha esiphandenii..... ukhona la? Umfundu uzokuphendula ngokutjengisa ukuthi ukhona". - Buyelela ngelanga elilandelako ngokusebenzisa iinomboro zomtato namkha iinomboro zakamaliiedinini. 	<p>Izinto zokubala</p> <p>Ipara yamanyathelo,yamakowusu, yamacici</p> <p>Amakarada aneenomboro zemitato neemphande zabafundi.</p>

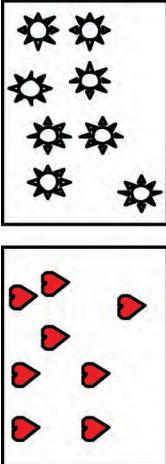
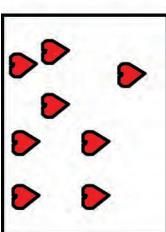
Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)		
linhloko	Amanothi athadhlulako Okupathelene nokusikinyeka komzimba	Isilinganiso sesikhathi • Ngokukhuluma kurarululwa imiraro yamagama (iimbalo zeendatjana)ezičaka hlangana inomboro bu-8	llanga li-1
1.7	Ukuhlanganisa nokukhupha	<p>Utitjhere urhelebha abafundi ukwenza iinqhema zabatundi zamalunga asi-6 begodu nesinye isiqhema sabafundi abamalunga ama-2.</p> <ul style="list-style-type: none"> - Hlanganisa iinqhema isiqhema ukwenza iinqhema isiqhema sinye. - Buza abafundi bona bangaki abafundi abasesiqhemeni esihlanganisiweko: isi-6 naku-2 → 8. (Utitjhere uthi: 6 naku 2 kukunkela 8) - Buthelela abafundi ababu-8. Khupha abafundi aba-3 bbabe siqhema esincani. Banagaki abafundi abasele esiqhemeni esikhulu? Bu-8 khupha 3 → 5. - Khettha abafundi ababili ngokusebenzisa umdunduzelo wokubala.. - Beka amaqwatjhi ama-4 esandleni somfundi oyedwa begodu ubeke amaqwatjhi ama-4 ngakwesinye isandia somfundi. Mangaki amaqwatjhi nassele awoke? 4 hlanganisa na-4 → 8. <p>Ukusebenzisa izinto ezipathhekako ezibusontathu (3-D)</p> <p>Nikela umfundi ngamunye amaqwatjhi abu-8.</p> <ul style="list-style-type: none"> - UTshidi unamaqwatjhi asi-6 begodu umnganakne unamaqwatjhi ama-2..Mangangaki amaqwatjhi abanawo nassele awoke? Isi-6 hlanganisa naku-2 → 8. - UMonika unamaqwatjhi abu-8. Ulahlekelta maqwatjhi amabilii. Mangaki amaqwatjhi uMonika asele nawo? Bu-8 khupha ku-2 kwenza 6. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetke ezbisobubili (2-D)</p> <ul style="list-style-type: none"> - Utitjhere ubeka iinthombe ezimbili phezu kwebborodo yefaneli. Utitjhere ungeza ngezinye iinthombe ezi-5. Zingaki iinthombe eseile zilapho kwanje? Ku-2 uhlanganisa naku-5 → 7. - Beka amabumbeko abu-8 phezu kwebborodo yefaneli. Khupha ku-5. Zingaki eziseleko? 8 Khupha 5 → 3. 	<p>Isilinganiso sesikhathi</p> <p>linqhema zabafundi</p> <p>Amaqwatjhi Imidunduzelo yokubala</p> <p>Amaqwatjhi Imidunduzelo: 1, 2, 3, 4, 5 Lokha nangibamba ifesi iphila. 6, 7, 8, 9, 10 Ngayilisa yakhamba.</p> <p>Amaqwatjhi linthombe/amajamo aphezu kwefaneli bhodi</p>

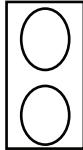
Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi	
linhloko	<p>2.1 Amaphetheni wejiyomethri</p> <ul style="list-style-type: none"> Ukukopulula begodu ungezelele amaphetheni azwakalako. <p>Okupathelene nokusikinyeka komzimba.</p> <p>Abafundi basikinyeka ukulandela ibetho lomvumo ngemizimba yabo isib.</p> <ul style="list-style-type: none"> - Gadanga, gadanga, yeqayeqa, yeqayeqa. - Yeqa ngenyawo linye, Yeqa ngenyawo linye, Yeqa ngenyawo linye. Yeqa ngeenyawo ezimbili yeqa Ngeenyawo ezimbili..... <p>Ukusebenzia izinto eziphatnekako ezbibusontathu (3-D)</p> <p>Hlanganisa nomvumo kwezobukghwari Bokwenza emakghonweni wePilo.</p> <p>Abafundi basikinyeka ukulandela ibetho lomvumo ngezandla zabo kwaphela begodu bakghwathie iinyonga zabo.isib:</p> <ul style="list-style-type: none"> - Wahla, wahla, thwahla, thwahla,(wahla izandla begodu ubethe izandla phezu kwamathanga.) - Utitjhire wenza amakarada wegido begodu abafundi bayalbuyelela igido ngokuwahlia izandla. (basebenzia izandla ukuwahlia begodu neenyawo ukugadanga.) isib: <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">    </div> <div style="text-align: center;">    </div> </div>	<p>Isidali ma-CD Ngomvumo</p> <p>lgido elikhambbelanako lomzimba.</p> <ul style="list-style-type: none"> - Wahla, wahla, gadanga, gadanga..... - Wahla, rhuweletia, Wahla, rhuweletia..... 	llanga li-1

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekласини охеливеко охахиwa ngutitjhеre(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Insetjenziswa ezinyuwako.	Isilinganiso sesikhathi
linhloko	<p>3.3 Ubuјamo obubusobibili (2-D)</p> <p>Ukuqinisa ilwazi lakancamane.</p> <p>Okupathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Yenza/bumba amajamo ngemizimba yenu isib: abafundi aba-4 babumbe uncamanе ngemizimba yabo. - Babumbe uncamanе ngemino yabo. - Babumbe uncamanе ngokusebenzisa iinthoro zomliio eziši-6. 	<p>Amanothi athadhlulako</p> <p>Ukukhumbula , ukubona nokuhlathulu ubujamo baka (2-D) ngetiasini</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi lakancamane. <p>Okupathelene nokusikinyeka komzimba.</p> <p>Iwula namkha iderhe yokudlala.</p> <p>umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini (isikhwama sethila esinerege phezulu)esinamajamo ahlukeneko wejyometri.</p> 	<p>llanga li-1</p> <p>Ikarrada lemidaio ethuthukisa ukubona amajamo.</p> <p>lingojiwana zomliio.</p> <p>Iwula namkha iderhe yokudlala.</p> <p>umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini (isikhwama sethila esinerege phezulu)esinamajamo ahlukeneko wejyometri.</p> 

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isililinganiso sesikhathi	
linhloko	<p>3.3 Ubujamo obubusobibili (2-D)</p> <p>Ukusebenzisa izinto eziphathenkako ezbibusontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi ukufuna izinto eziboncamane ngeeklasini. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphatheke ezbibusobibili (2-D)</p> <p>Diala umdialo: Ngiyiphi etjhodako?</p> <ul style="list-style-type: none"> - Beka inani lezinto zobjambo obubusobibili (ingasi zinengi kunamajamo ama-5) phezu kwestokana sephespha phakathi komada isib. amajamo asuka "emdhalweni wamajamo weLogi". - Cocisananani nabafundi ngejamo ngalinye. - Nikela abafundi ithuba lokukhumbula ngehloko umhlobo wamajamo asesitokaneni sephespha. - Abafundi bavala amehlo wabo. - Utitjhure utjhidisa linye lamajamo. - Abafundi kufanele bavule amehla wabo begodu babone bona ngiliphi ijamo elitjhodako. - Buyelela ikambiso. <p>- Thuthukisa ituthuko yamajamo weJiyometri ngokunkela amakarada wemidalo ahlukeneko afana "Yini engaphakathi kwasikwere?" namkha eminye imidalo ekhona.</p>	<p>Amanothi athadhlulako</p> <p>Insetjenziswa ezinyuwako.</p> <p>Izinto eziboncamane ngeeklasini</p> <p>Amajamo ahlukeneko isib: ijamo lelogi.</p>	llanga li-1

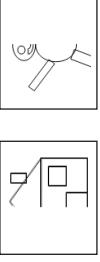
Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owoawa ohleliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukuqinisa ilwazi elifunyenwe evekeri yama 31 begodu no 32 elifaka hlangana iinomboro 1 ukuya kubu-8. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu-8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukubala okungakahaleleki ukusuka ku 1-10.</p> <p>Ukuqinisa ukubala ngakubili usebenzisa imidunduzelo yenomboro</p> <p>Qinisa ukubala ngenomboro sikhundla:</p> <p>Utitjhore upakela izinto ezibu-8 ereyini. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwestibili, kwesithathu, kwesine, kweshianu</i>.</p> <p>Qinisa umqondo “wakonengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utitjhore uwahla izandla zakhe amahlandla abu-8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphatheleene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Abafundu basebenzisa imizimba yabo ukwenza amatshwayo weenomboro. Utitjhore wenza iinomboro ngemethiriyeli ehlukneneko leya abafundi abagayithinta isib. Isaniphepha, intambo / idaka. Yitjno imidunduzelo neengoma zeenomboro. <p>Ukusebenzisa izinto eziphathhekako ezzibusontathu (3-D)</p> <ul style="list-style-type: none"> Sebenzisa izinto eziphathhekako njengamabhlago neembandana zeplastiki. Zibale, uzihlele, beka ezibunane ereyini njil. <p>Hlukanissa abafundi ingeenqhema.</p> <p>Beka iwobhu yeembandana zeplastiki zeplasini phakathi kwasighema ngasinye.</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> Sebenzene ngababili esiqhemeni nifunisele bonyana zilimbandana ezingaki ezingewobhini. Ipara ngayinye ithatha ikarada lenomboro ukumadanisa ukufunisela kwabo. Bala inani lamambala leembandana. Ipara ngayinye ingathola ikwekwaezi esiphongweni. Buyelela ngokubeka inomboro ehlukleko yeembandana ekabenii yemada. 	<p>Ilanga li 1</p> <p>lingoma zeenomboro nemidunduzelo</p> <p>Amatshwayo amakhulu weenomboro enziwe ngesanihphepha</p> <p>Amabhllogo neembandana zeplastiki</p> <p>limbandana ezi -9 zeplastiki zeplasini Amasede ambadlwana wamakarada wetshwayo lenomboro.</p> <p>linkwekwaezi zokuthokozza</p>	

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi			
Linhloko	Amanothi athadlululako	Imsetjenziswa eziphakanyisiweko			
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>UkuKhumbula nokubona amatshwayo weenomboro namagama weenomboro afaka hiangana iinomboro ukusuka kweyo 1 ukuya kweyo - 8</p> <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Madanisa amatshwayo weenomboro neenthombe ekungizo. - Umfundu kufuze azwisis bonyana isiqhema sezinto singaphatha inani elilinganko lezinto.  	<p>Isithombe namafletjhi karada wetshwayo lenomboro</p> <p>Izinto zokubala</p> <table border="1"> <tr> <td>Isithombe sezinto ezli-8</td> <td>8</td> <td>Bumane</td> </tr> </table> <p>Isede yamakarada weenomboro efaka hiangana iinomboro ku - 1 ukuya kweyo - 8</p> <ul style="list-style-type: none"> - Abafundi kufuze bakhombe into ngayinye lokha nababalako. - Abafundi kufuze bakghone ukumadanisa into enye kwene isib. Ihiziyoyinye elangeni linye. - Metjhisa amafletjhi karada westhombe, amafletjhi karada wamqatjhazi, itshwayo lenomboro negama lenomboro ngenani elifanako lezinto zokubala. 	Isithombe sezinto ezli-8	8	Bumane
Isithombe sezinto ezli-8	8	Bumane			

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangettasini owoowa oheliweko okhokhelia ngutitjhene (indulungu) ya ± 30 imizuzu ngelangá (± 5 imis etjenzana yeembalo ngeveke)		
linhoko	Amanothi athadlulako	Imsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleleko	<ul style="list-style-type: none"> • Ukuhiela begodu nokumadanisa ibuthtelelo lezinto usebenzise “okunengi kuma/okuncani kuma ukufika enomborweni yobu – 8. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuya ukufika bu-8. Ukuqinisa ukubala ngakubili usebenzisa imidunduzelo yeenomboro</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utitjhene uwahla izandla zakhe amahlandla abu- 8.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utitjhene ubeka amabhlogo abu – 8 phezu kwetafula. Ngaphandle kokubala abafundi kufuze balinganise (ukufunisela) inani lamabhlogo. - Utitjhene uyabuza: <ul style="list-style-type: none"> ○ “Kunamabhlogo amanengi kunamatthathu na?” ○ Abafundi bahlolra iimpendulo zabo ngokubala amabhlogo.” ○ “Ukufunisela kwakho bekuseduze kangangan?” <p>Ukusebenzisa izinto eziphathnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Yenza isiqhema sabafundi abane. Nikela isiqhema ngasinye izinto zokubala ezi -8 nekhasi elineendulungu ezikulu ezimbili ezigwalwe kilo. Biza iindulungu ngeendleke. - Ngeenyalelo zakatijhene abafundi babeka izinto zokubala esidlekeni ngasinye begodu batijo bonyana zingaki. - Abafundi bamadanisa “iindleke” begodu batijo bonyana ngisiphi isidleke esinenani lezinto zokubala “ezinengi kuna”, “ezincani kuna”, ezifanakonofana “ezinenanii ellilinganako”. 	<p>Ilanga li 1</p> <p>lingoma zeenomboro nemidunduzelo</p> <p>Amabhlogo</p> <p>Izinto zokubala</p> <p>Ikhasi le-A4 eligwale “iindleke” ezimbili</p> 	

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa ohleliweko okhokhelia ngutitjhene (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadlululako	Insetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro ngokupheleleko	<p>Hlukanisa abafundi ingeenqhema</p> <ul style="list-style-type: none"> Nikela isiqhema ngasinye amayunifksi amanengi nesede yamakarada wetshwayo lenomboro afaka hlangana iinomboro ukusuka kwe 1 ukuya kwezi - 8 iinqhema azakhe imibhotjhongo zilebule omunye nomunye umbhotjhongo ngeenomboro yamakhubhu asetjenzisiweko ukuwakha isib. <p>Sebenzisa amajamo nofana iinthombe eziphetheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> Utitjhene utijengisa amakarada amabili anenani elihukahlukeneko lamaqtjhazi neenthombe kiwo. Abafundi abamanadise amakarada aneenthombe namaqtjhazi ukubona “okunengi kuna” “okuncani kuna” nokulingana na”. 	<p>Amakhubhu wamayunifksi Amakarada wetshwayo lenomboro ukusuka kwe 1 ukuya kwezi – 8</p> <p>amaletjhji karada weqatjhazi nesithombe.</p> <p>Isithombe sezinto ezi-8</p>	Ilanga li 1
1.13 Ukuhlanganisa nokukhupha	<p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8.</p> <p>Ukubala uye phambili begodu uye emuva ukufika bu-8.</p> <p>Qinisa umqondo “wakonengi nambadwana”</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadwana Utitjhene uwahla izandla zakhe amahlandia asi 8.</p> <p>Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma zeenomboro nemidunduzelo</p>	Ilanga li 1

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa oheliweko okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhoko	Amanothi athadlululako	Imsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.13 Ukuhlanganisa nokukhupha	<p>Okuphathelene nokusikinyeka komzimba</p> <p>limbonelo:</p> <ol style="list-style-type: none"> Utitjhere ubizela abafundi aba -3 ngaphambili. Abafundi bayababala. Utitjhere ubiza abanye godu aba 2 begodu abuze bonyana: "Bafundi abangaki nasele baboke?" Ku -3 naku 2 → 5. (utitjhere uthi: ku - 3 naku - 2 kwenza → 5) Utitjhere upakela iintulo ezimbili. Ufaka ezinye ezi 2. Zingaki iintulo ezikhona njenganje? Ku - 2 naku 2 → 4. Utitjhere uphakamisa isandla sinye. Begodu utijo bonyana: "Bala imino yami. Nangifinla uthubhakghuru, mingaki imino oyibonako? Ku - 5 ukhupha ku-1 → 4. Abaundi ababale imino esandleni sinye sabo. Fihla uthubhakghuru wakhoo, mingaki imino oyibonako? ku 5 ukhupha ku 1 → 4. <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Abafundi abapakebakuphe izinto zokubala ezi - 6 begodu benze okulandelako:</p> <ul style="list-style-type: none"> Utitjhere unikela umfundu ngamunye izinto zokubala eisisi - 6. Utitjhere unikela iinyalelo abafundi baphendule isib. Pakela izinto zokubala ezi - 2, faka ezinye ezi - 3. Zingaki nasele zizoke. Ku - 2 naku 3 → 5. Bala izinto zokubala ezine. Bala uye phambili ngaku-2 ukusuka kweye -4. Unažingaki njenganje? Ku -4 naku 2 → 6. Bala zoke izinto zokubala onazo. Nawuvala izinto zokubala ezimbili ngesandla sakho, ubora izinto zokubala ezingaki? Isi- 6 ukhupha ku-2 → 4. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Yenza amaphezelii weenomboro begodu uvumele abafundi ukuhiola ngamaphezelii.</p>  <p>Amaphezelii weenomboro</p>		

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetasini owoawa ohleliweko okhokhelia ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Inhoko	Amanothi athadlululako	Imsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
3.3 Ubujamo obubusobibili (2-D)	<p>UkuKhumbula ukubona nokuhathulula amajamo wobusobibili 2-D eenthombeni</p> <p>Umqondo ophathelene nomcabango</p> <ul style="list-style-type: none"> • Ubona ingcenyé kokuzeleko <p>Okuphathelene nokusikinyeka komzimba</p> <p>Utitjhere uhlathulula into abuze abafundi bonyana khuyini isib.</p> <ul style="list-style-type: none"> - “Ngicabanga ngento ebomvu, enamavilo amane, iminyango emine namafesdere angakghona ukuvuleka begodu yenze netjhada elithi “vum vum” Umsebenzi io ungenziwa’ngreenqhemita ikhugulule yenzivi iphaliswano – isiqhema sinye sifuze sihlathulule, esinye isiqhema kufuze sifunisele bonyana yinto bani. - Hlathulula umuntu begodu ubawe abafundi kobanyana bathole umuntu loyo. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobibili (2-D)</p> <ul style="list-style-type: none"> - Bonisa umfundidi isithombe umlide asigale. Bese uyasithatha ubawe umfundi bonyana ahlathulule koke lokhu asazukhumbulako. - Thatha iinthombe ezikhamba ngazinye uquinte lingcenyé zazo. Beka iinthombe neengcenyé ebboksini begodu ubawe abafundi bonyana baqale iingcenyé ezingekehzo zesinye nesinye isithombe abasifumanako /abasidobnako. - Gwala iinthombe ezingakapheli esiquntwini sephepha begodu ubawe abafundi bonyana bazalise isithombe. 	 	Ilanga li 1

Iveke 33 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi waketlasini owoawa ohleliweko okhokhelia ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Amanothi athadlululako Okupathelene nokusikinyeka komzimba	Ukulinganisa ubude besikhathi Ilanga li 1
3.4 Isimethri	<ul style="list-style-type: none"> • Ukuthuthukisa illemuko lokobanya umzimba womuntu unamahlangothi amabili langesinceleni nelangesidleni angakghona ukuzikhambela ngokwawo <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Faka iregerere esihlakaleni sangesidleni saloyo naloyo mfundi. - Vuma ingoma yomsikinyeko: "ngifaka inyawo lami langesinceleni" <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Babeka isandla sokudla eehlhokweni zabo. - Bathinta idololabo langesinceleni ngendololwane yabo yangesidleni. - Bathinta ihlombe labo langesidleni ngesandla sabo sangesinceleni njil. <p>Ukusebenzisa izinto eziphathhekako ezibusontathu (3-D)</p> <p>Nikela umfundu ngamunye ibhlogo lokwakha</p> <p>Abafundi abahiale emadeni begodu ba:</p> <ul style="list-style-type: none"> - Beka ibhlogo ehhlangothini labo langesidleni/langesinceleni. - Ngehломbe labo langesidleni/ngesinceleni. - Edolwени labo langesinceleni/langesidleni. - Enyawo labo langesinceleni/langesindleni njil. <p>Sebenzisa amajamo nofana iiinthombe eziphaze ziphatheke ezibusobubili (2-D)</p> <p>3.1 Ubujamo, ukujayenza nokubukela</p>	<p>lingoma zemisikinyeko/zemidunduzelo isib. "Ngifaka inyawo lesincete"</p> <p>Ibhlogo lomfundu ngamunye</p> 
		<p>Iphepha</p> <ul style="list-style-type: none"> - Umfundu ngamunye uthola iphepha nekhrayoni. - Abafundi abagwale umuda ekabenri yephepha ukusuka phezelu ukuya phasi begodu nomunye umuda ekabenri ukusuka ngesinceleni ukuya ngesidleni - Utitjhere unikela iinyalelo: <ul style="list-style-type: none"> o Beka umuno wakho ekabenri yesiphambano. o Gwala indulungu ebbhogweni eliphezelu ngesinceleni. o Gwala uncantathu ebhlogweni elingenzasi ngesidleni. o Gwala isikwre ebbhogweni eliphezelu ngesidleni. o Gwala uncamane ebbhogweni elingenzasi ngesinceleni. - Cociisanani ngephostara yesithombe. Abafundi baphendula imibuzzo ezabenza bakghone ukuhathulula (ngaphandle kokutjengisa) ubujamo bezinto esithombeni.

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi	
linhloko	Amanothi athadhlulako	Insetjenziswa ezinyulwako	
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukwethulwa kwehlathululo yenomboro li-9 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 9. Ukubala uye phambili begodu uye emuva ukufika bu-9. Ukuqinisa ukubala ngeenomboro sikhundla Utitjhore upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entwesi ngayinye lokha nakabala kokuthoma, kwestibili, kwestithathu, kwestine, kwestilani , kwestithandathu. Qinisa imiqondo “yokunengi” kunye “nokumbawwa” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utitjhore uwahla izandla zakhe amahlandla ali-9. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu. 	lingoma nemidunduzelo yenomboro Isede yamatshwayo weenomboro amakhulu.	Amalanga ama-2

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isikhathi										
linhloko	Amanothi athadhlulako	Isilinganiso sesikhathi										
1.6 Amathekiniki wokuraruula imiraro	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Utijhere wenza inambalayininofana ileri eflurwini/phasi.</p> <ul style="list-style-type: none"> - Utijhere unikela iinlayelo ezifana no: - Ngasososke isikhathi jama phezulu kwe-0nofana thoma phezu kwe-0. - Ngasososke isikhathi bala lokha ukhambako. - Khamba ufile enomboweni yesi-5 , Buyela emuva enomboweni ye-2. Khamba uye phambili ukufika enomboweni yobu-8. - Khamba udulele enomboweni yobu-8 Khamba ngenomboro yinye uye phambili,buyela inomboro ezi-2 ukubuyela emva. - Kuza ubani ngemva kweenomboro yesi -3? - Ngiyiphi inomboro eza ngemva kwenomboro ye-7 - Ukuthuthukisa ilemuko lobunjalo benomboro ngokungatjihuguluki nanyana ibekwe ngayiphi indlea, ngokuvumela abafundi bonayana bapake izinto zokubala ezilithoba ngananyana ngiziphi iindlea ezhilukahuleneko isib; 	<p>Isilinganiso sesikhathi</p> <table border="1"> <tr><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> </table> <p>Isilinganiso sesikhathi</p>	0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9			

Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhobo ofanako. Isibonelo

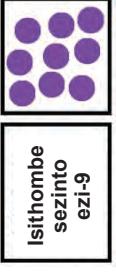
- Hlela iinkunubhe ezili-9, amapensela ali-9, amawubhu ali-9, abafundi aba-9 njil.
- Zibale ngeendlela ezhilukenenko Isib: Zibale zihaftjhekile, zibuthelelw, zisemjejeninofana zipakiwe.

Sebenzisa amajamonofana iinthombe ezipheze ziphattheke ezbisububili (2-D)

Sebenzisa inomboro ye-9 ebujameni obujayelekileko.

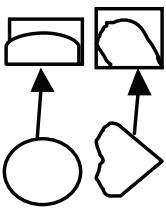
Vumela abafundi:

- Ukmnejha amafetjiji karada weenthombe nenani elilinganako lamathosi. Paka inani lezinto zokubala elilingana nawo.

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
linhloko	Amanothi athadhlulako	Isilinganiso sesikhathi
1.3 Amatshwayo weenomboro namabizo weenomboro	<ul style="list-style-type: none"> Ukukhumbula amatshwayo weenomboro begodu negama lenomboro. <ul style="list-style-type: none"> Beka izinto ezi-5 ereyini. Vumela abafundi baziqalisise kuhle izinto lezo. Abafundi baqala eqadi bese utijhere ususa into eyodwa. Abafundi kufanele batjho bona ngiyiphi into esusiwéko. Buyisela izinto bese ubuyelela iinkhathi ezimbawla bese uragele ekususeni ezi-2nofana izinto ezinengi. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Bakhetha itsihwayo lenomboro ye-9 negama lenomboro hlangana namanye amafletjhikarada. Beka amafletjhikarada weamashwayo weenomboro effurwini ngehlelo lokulandelana kweenomboro okufaneleko. Beka amafletjhikarada anamatshwayo wenomboro ngendlela yokuwarhatjha.. <p>Hlukanisa abafundi babe zinqhema ezincani.Utitjhore unikela isiqhema rigasiyye isede yamakarada anamatshwayo weenomboro.</p> <p>Nikela abafundi iinayelo.isib:</p> <ul style="list-style-type: none"> Thinta inomboro ye-4, beka indololwana yakhо enomborweni yobu-8, hlala phezulu kwenomboro yesi -3 gjima uzungeleze inomboro ye-5 amahlandla amahlanu njil. Dlalani umdlalo ngokuhlobanisa inani lezinto zokubala negama lenomboro , itslwayo lenomboro. amaqtjhazi namakarada weenthombe. Qinisekisa bonyana itsihwayo lenomboro negama lenomboro lihanganiswa ngasosoke isikhathi lillngana/lkhambisana nezinto. 	<p>Izinto ezi-5 (ukucabanga okubonakalako)</p>  <p>Izinto zokubala</p>  <p>Amasede ambawla wamakarada weenomboro ezfaka hlangana inomboro yoku-1 ukufika keye-9.</p> <p>9 Ithoba</p> <p>Ifletjikarada enamatshtwayo weenomboro namagama weenomboro, amaqatjhazi, neenthombe isib..</p>  <p>Izinto zokubala</p>

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilanganiso sesikhathi
linhloko	<p>Amanothi athadhlulako</p> <p>3.1 Ubujamoo, ukujayenza nokubukela</p> <ul style="list-style-type: none"> Landela ikombatjhuba ukuzitjhida namkha ukuzibeka endaweni ethileko Ukuthuthukisa umqondo wekombatjhuba. Okupathethlene nokusikinyeka komzimba. <ul style="list-style-type: none"> - Gwala uncntathu omkhulu, nofana isikwre phasi nofana eflurwini. - Abafundi bakhamba eduze kobujamo batijo ngokuphimisela bonyana bajikela ngesinceleni nofana ngesideni bebatjengise nangezandla zabo. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Gwala uncantathu omkhulu nofana isikwre ephephene bese uyibeke eflurwini .</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Tjnova ikoloyi yokudlala magega nemida.. - Abanye abafundi balulela izandla zabo sangesinceleni namkha sangesideni ehangothini elifankako begodu batijo bona <i>ngesinceleni</i> namkha <i>ngakwesokudla</i>. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bahlathulula izinto ezisebijamieni obuhlukahlukkeneko lsib: unompopi (ngemuva / ngaphambili) indlu (ngemuva /ngaphambili) ilingemuva / ngaphambili lesikolo, ikoloyi (ngemuva/ngaphambili) ukuya ngokuthi ujame kuphi? - Abafundi bahlathulula lokho abakubonako.lsib. nangabe kunomuthi phambi kwendlu bahiathulula indawo/ubujamo bomuthi. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi balemente umnqopho wokuyaphambili/nemuva ngokukhomba iinthombe zeenkombatjhuba. 	<p>Insetjenziswa ezinyulwako</p> <p>llanga li-1</p> <p>Amajamo amakkulu agwaliweko phezu kwephepha lokusebenzala.</p> <p>Ikoloyi yokudlala</p> <p>Unompopi. Indlu yamambala.</p> <p>Ikoloyi</p> <p>Bahlathulula iinthombe ezitjengisa kuhle ikombatjhuba isib; ihlangothi ikoloyi etjingga kilo. ihlangothi umuntu akhamba atjingga kilo.</p>

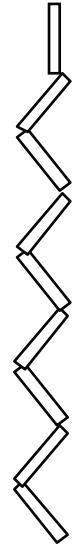
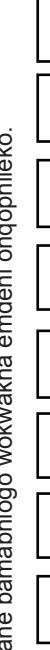
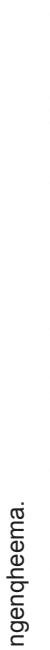
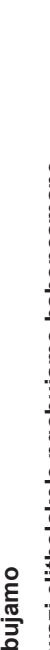
Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	<p>3.3 Ubujamo obubusobibili (2-D)</p> <p>Okupathethene nesikinyo lomzimaba</p> <p>Vumela abafundi ukuba ngababili..</p> <ul style="list-style-type: none"> - Omunye agwale ubujamo phezulu komgogodha womngani/wepara yakhe ngomuno. - Omunye umfundsi ufanelie atijo ubujamo obusemgogodlhweni wakhe. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Ukunikela ubujamo bejiyometri obunobukhulu nobudege obuhlukaneko isib:</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bahlele ubujamo bejiyometri ukuya isib. Ngeendulungu, aboncantathu, iinkwere naboncamane. - Bahlele ubujamo bejiyometri ngokuya ngesayizi. - Bahlele ubujamo bejiyometri ngokuya ngombala.. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathetke ezibusobibili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuksika ubujamo obutijhiwo ngehla babusika ephepheni. Bafake amajamo amakhulu namancani naboncantathu bama-engeli ahlukaneko.. - Bahlele ubujamo obuhlukaneko boke. - Ukuftama isithombe ngamabumbeko asikiweko bebawasebenzise ngesikhathi somsebenzi wobukghwari 	<p>Amanothi athadhlulako</p> <p>Insetjenziswa ezinyulwako</p> <p>llanga li-1</p> <p>Amajamo ahlukaneko.</p> <p>Iphepha lokusebenzela elineendulungu, aboncantathu neenkwere naboncamane phezu kwalo.isib.</p>  <p>Faka hhangana ibumbeko elikhulu namkha elincani naboncantathu bama-engeli ahlukaneko.isib.</p> 

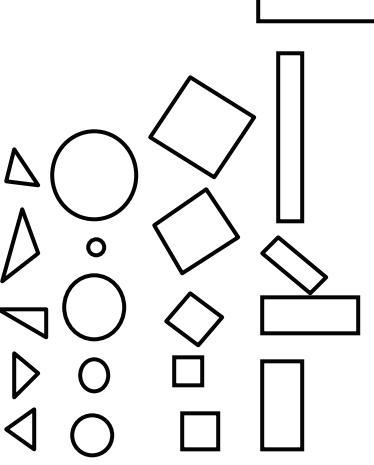
Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
linhloko	<p>Amanothi athadhlulako</p> <p>3.4 Isimethri</p> <ul style="list-style-type: none"> Ukuthuthukisa illemuko lokuthi kunesimetri eentweni. <p>Ukusebenzisa izinto ezipathnekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Ukuqala izinto zamambala eizzokubonisa isimetri (ihlangothi elinye elifana poro nelinye ihlangothi) l'sib iviyavyani, ikari lethuthumbo njil. - Utitjhore nabafundi babuthelela iinthombe zemittamo leyo enesimetri isib; imittamo ependwe phezulu kwezindlu, imittamo ephezu kwamathayilisi, imittamo esemijekeni nemapharatjutheni. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheké ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi basika ubujamo behliyionofana emijekeni wethuthumbo ezisephepheni elibhinciweko laba yihalu abe alikghabise ngesikhathi sobuKghwari obuBonakalako. 	<p>Isilinganiso sesikhathi</p> <p>Insetjenziswa ezinyulwako</p>   <p>Ilanga li-1</p>

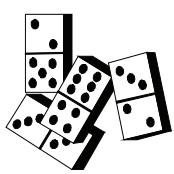
Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi	llanga li-1
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.1	<ul style="list-style-type: none"> Ukuqinisa ilwazi elfunyenwe evekeri yama 34 elifaka hlangana inomboro-9 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-9. Ukubala uye phambili begodu uye emuya ukufika li-9. Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Ukuqinisekisa ukubala ngakubili usebenzise imidunduzelo yeenomboro</p> <p>Ukuqinisa umqondo wokuthi "nengi" dlazana "</p> <p>Wahla izandla zakho amahlandia amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandia ambadiwana. Utitjhore uwahla izandla zakhe amahlandia ali-9. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemidunduzelo yeenomboro</p> <p>lingoma nemidunduzelo yeenomboro</p> <p>Okupathethelene nokusikinya umzimba.</p> <p>Asidiale umdialo:</p> <p>Utitjhore ubeka ikhadibhodi ekulu yobujamonofana amakarada weenomboro afaka hlangana iinomboro ezsiska ku -1ukuya kuli- 9 ngokulandela kwazo eflurwini. The teacher places the large cardboard number shapes or cards that involve numbers 1 to 9 in order on the floor.</p> <p>Utitjhore unikela abantwana iimlayelo ezifana njenga:</p> <ul style="list-style-type: none"> - Hlala phezu kwenomboro yesi-6. - Beka izwani lakho enomborweni yesi-3. - Gijima uzombeleze inomboro- 2 ka -3. - Yeqela ngale kwenomboro yoku-1. - Ngokukhamba kwesikhathi, utitjhore angarhatija amkarada weenomboro zamatshwayo. 	<p>Isede lekarada elikhulu elineenomboro namatshwayo.</p> <p>Ungazipenda phezu kwertokana ezidege zamaplastikinofana phezu kwebhodi eqinileyo</p>
1.4	<ul style="list-style-type: none"> Ukusebenzisa iinomboro obujayelekileko <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukubala izinto ngetasini. - Ukubala ngezinto zokubala. - Utitjhore ubeka izinto ngewobhi etafuleni. Uvumela abafundi bafunisele ukuthi zingaki izinto ezbekwe ewobhini. Zibalenii kamuvu. 	llanga li-1	<p>Izinto zokubala</p> <p>Izinto ezingettasini</p>

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekласини охлеливеко охлаhwа ngutitjhеre(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke					
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi			
1.4 Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleko	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathеke ezibusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukdala imidlaio ngokuhlomanisa inomboro yezinto zokubala negama lenomboro, itshwayo, namathosi/amachatjnazza namakarada weenthombe. - Qinisikisa bonyana ishwayo lenomboro begodu negama lenomboro ngasososke isikhathi lihiobana /khambelana nezinto. - Gadangisa inomboro li-9 ngekhrayoni. <p>Okuphathelene nokusikinya umzimba</p> <ul style="list-style-type: none"> - Coca iindatjana ngomuthi onenyoni eyodwa kiwo. Enye inyonu iyafika nayo emthini loyo. Sezingaki liinyoni njenganje? Abafundi benza umdialo ngendatjana bafaka namamaski. Ku-1naku-1kwenza ku-2. <p>Buyelela indatjana bekurike eenyonini ezili- 9.</p>	<p>Amafetjhi karada anamagama namatshwayo weenomboro ,amatqatjhazi neenthombe isib.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Isithombe sezinto ezilithoba</td> <td style="text-align: center;">9</td> <td style="text-align: center;">Ithoba</td> </tr> </table> <p>Izinto zokubala, amakhrayoni</p>	Isithombe sezinto ezilithoba	9	Ithoba	llanga li-1
Isithombe sezinto ezilithoba	9	Ithoba				
1.7 Ukuhlanganisa nokukhupha	<p>Sebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umgani munye unezinto zokubala ezibu-8 isib. iimbandana zeplastiki begodu umngani wakhe unayi- 1. Baneembandana ezingaki zeplastiki nebahlangene bobabili? <p>Ubu- 8 naku- 1 → 9</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathеke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Nikela omunye nomunye umfundi iphepha lokusebenza elinesithombe somuthi. Abafundi babeka into yokubala eyodwa phezu komuthi. Baragela phambili nokungezelaa into yokubala phezu komuthi. 	<p>Izinto zokubala 9</p> <p>Amaphepha wokusebenzela anemithi nezinto zokubala</p>	llanga li-1			

Iveke yama 35	<p>Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke</p>		
linhloko	<p>3.1 Position, orientation and views</p> <ul style="list-style-type: none"> Ubjamo bezinto ezimbili nokuhobana kwazo enye kwenye Okupathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Umfundu ubawa umngani bonyana ajame hlangana nezinto ezimbilinofana nabafundi ababili. - Umfundu ubawa umngani bonyana ajame eqadi komntazana ombethieirogo elihlaza sasibhakabhaka - Umfundu ubawa umngani bonyana ajame eqadi komsana ombethie ampattagwana abhraweni <p>Ukusebenzisa izinto ezipathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> Dosa/haga idrada phakathi kvezinto ezimbili. Abafundi baphanyeka izambatho zamambala ngokulandela umyalo onqophileko isib. “Phanyeka amahembe ngehlangothini lesincele sedrada yezambatho” “Phanyeka amarogo ngehlangothini lokudia lamahembe” Phanyeka iinsagadugu eqadi kwe....njil.” “Phanyeka amabhrugu hlangana ne.....njil.” <p>Sebenzisa amajamo nofana liinthombe ezipheze ziphathek ezbisobubili (2-D)</p> <ul style="list-style-type: none"> Gwala isithombe sendlu ngokulandela ukulayelwa isib. Gwala umfulelo ngaphezulu ephepheni Gwala amaboda wendlu phakathi naphphepha njil. Gwala injia ngesandleni sesincele sendlu. <p>Iphepha lokusebenzela kufanele bonyana lingaba likhulu-khulu, ukuqinisekisa bona ubujamo obuhukahlukeneko buyathintana ukwenza isthombe sendlu.</p>	<p>Amanothi athadhlulako</p> <p>linsetjenziswa ezinyulwako</p>  <p>Isilinganiso sesikhathi</p> <p>llanga li-1</p>	

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye wekласini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Amanothi athadhlulako	Isilinaniso sesikhathi	
linhloko	<p>3.3 Ubuјamo obubusobibili (2-D)</p> <p>Ukuјhumbula, ukubona begodu nokutjho amagama wobujamo obubusobibili 2-D</p> <ul style="list-style-type: none"> Ukuqinisekisa ilwazi elitholakele nogubujamo baboncamane Ukubulunga ubujamo likgono lokuhlukanisa hlangana namajamo akhona ebhodulukweni lethu, naphandle kokuqala ubukhuli/isayizi yay onofana isayizi yama-engelo. <p>Ukusebenzisa izinto eziphatnekako ezibusontathu (3-D)</p> <p>Hlukanissa abafundi ngenqeheema.</p> <ul style="list-style-type: none"> Nikela isiqheema ngasinye amajamo ali-9 waboncamane abamabhlogo wokwakha ahlukahlukenko. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> Ukuhlela amajamo aboncamane bamabhlogo wokwakha ahlukahlukenko ngeendhema zamasayisi alinganako. Ukubala inani lamabhlogo wokwakha. <p>Utitjhore unikela imilayelo elandelako:</p> <ul style="list-style-type: none"> Beka aboncamane bamabhlogo wokwakha emdeni onqophileko. Beka aboncamane bamabhlogo wokwakha ajame rwe. Beka aboncamane bamabhlogo wokwakha ngomuda omazombombe. <p>Utitjhore unikela umfundu ngamunye isiquantu sewulu. Abafundi benz a boncamane ngewululo.</p> <p>Utitjhore utijengisa abafundi bonyana umfundu ngamunye wenze uncamane ongafani nowomunye kodwana boke boncamane.</p>	<p>Isiqheema ngasinye sithola amajamo ali-9 waboncamane abamabhlogo wokwakha ahlukahlukenko</p> <p>Isiquantu sewulu</p>                	<p>llanga li-1</p> <p>Nofana khettha owodwa wemisetjenzana kwaphela</p>	

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	<p>3.3 Ubujamo obubusobibili (2-D)</p> <p>Sebenzisa amajamo notana iinthombe ezipheze ziphathike ezibusobibili (2-D)</p> <ul style="list-style-type: none"> - Utitjhore ugwalla amafletjhi karada ama-20 wemihlobohollo, elinye nelinye libe naboncantathu abahianu, iindulungu, aboncamane, iiboncamane, iinkwere phezu kwalo.isib.  <p>Amakarada anamafletjhi karada ahlukahlukeneko, elinye nelinye libe namunye waboncantathu abahianu abahlukahlukeneko naboncamana abahianu, iindulungu ezhianu, iinkwere ezhianu phezu kwawo.</p>	<p>Amanothi athadhlulako</p> <p>linsetjenzisawa ezinyulwako</p> <p>Amakarada anamafletjhi karada ahlukahlukeneko, elinye nelinye libe namunye waboncantathu abahianu abahlukahlukeneko naboncamana abahianu, iindulungu ezhianu, iinkwere ezhianu phezu kwawo.</p>

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
1.1	<p>Ukuqinisa ilwazi elifunkyenweko elifaka hlangana iinomboro ku-1 ukuya kuli-9</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-9.</p> <p>Ukubala uye phambili begodu uye emuva ukufika li-9.</p> <p>Ukuqinisekisa ukubala ngakubili kusetjenziswe imidunduzelo yeenomboro.</p> <p>Ukuqinisekisa imiqondo yobu "nengi" no "mbalwa"</p> <p>Wahla izandla zakho amahlanda amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlanda ambadwana. Utitjhore uwahla izandla zakhe amahlanda ali-9.</p> <p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka izinto ngeenqhema okufaka hlangana inomboro 1 – ukufika 9 bese ubala izinto ngokuphimisela. - Ukdala umdala wedomino yeenomboro. 	<p>Isililinganiso sesikhathi</p> <p>Isisetjenziswa ezinyulwako</p> <p>llanga li-1</p> <p>lingoma nemilozelo yeenomboro</p>  <p>Isililinganiso sesikhathi</p> <p>Isisetjenziswa ezinyulwako</p> <p>llanga li-1</p> <p>lingoma nemilozelo yeenomboro</p>

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi mune weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako
1.4 Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleleko	<p>• Madanisa bonyana ngiliphi lamabuththelelo amabili onikelwe wona eli:</p> <ul style="list-style-type: none"> - Nengi kuna - mbalwa kuna - Kulingana na - Utitjhore unikela imihlobohollo yezinto ezhilukenenko ezifana namakari, amatje, iimvalo zamabhoodlelo, amakhrayoni, amabhlogo njii. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bazihlele ngokuya "ngeenqhemu" isib. Amatje voke abe ndawonye. - Babale inani lezinto kesinye nesinye "sighema". - Batjengise bonyana ngisiphi "sighema" "esinengi kuna," "mbalwa kuna," begodu "nesilingana nesinye". <p>Amasethi afakahlangana iinomboro ukufika kuli – 9:</p> <ul style="list-style-type: none"> - Abafundi bahlala phezulu kwemada benze "iindleke" ezimbili ngewulu. - Utitjhore unikelle abafundi iinlayelo bonyana bafake izinto zokubala ezi – 2 esidlekeni esisodwa begodu, ezi 4 ngakesinye isidleke. - Buza imibuzi efana nokuthi, "ngisiphi isidleke esinezinto ezinengi kuna" "ezimbardlwana kuna" begodu nenani elliganako? Isib. Isidleke esinezinto ezi – 2, "ezimbardlwana" kunesidleke esinezinto zokubala ezi-4. 	<p>llanga li-1</p> <p>linquntu ezimbili zevolo zinkelwa omunye nomunye umfundi Izinto zokubala ezili-9 zinkelwa omunye nomunye umfundi</p> <ul style="list-style-type: none"> - Vumela abafundi babumbbe "okunengi" kuna, "okumbardlwana" kuna "noku'linganako" emasethini aneenomboro ukufika e - 9

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako
1.13 Ukuhlanganisa nokukhupha	<ul style="list-style-type: none"> • Ukurarulula imiraro yokuhlanganisa nokukhupha ekhulunywe ngomlomo okufaka hilangana iinomboro ku—1 ukuya kuli-9 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 9. Ukubala uye phambili begodu uye emuva ukufika bu-9. Ukuqinissa ukubala ngakubili ngokusebenzia imdunduzezo yeenomboro</p> <p>Ukuqinisekisa ukubala ngeenomboro sikhundla:</p> <p>Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwestithathu, kwsine, kwestihlanu, kwestithandathu</i>.</p> <p>Qinisekisa imiqondo ye “nengi” na “mbalwa”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-9. Buza umbuzo wokobana ngimaphi amahlandia wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemilolozeloo yeenomboro</p> <p>llanga li-1</p>
	Okuphathelene nokusikinyeka komzimba	<ul style="list-style-type: none"> - Utijhere ubizela umfundu o – 1 ngaphambili. - Utijhere ufaka inani ellihukileko lemincamo (ukufika e – 9) kesinye nesinye isandla somfundu isib. 4 esandleni esinye na – 5 ngakesinye isandla. - Utijhere uhlela abafundi ngenqheema zangalithoba. - Abafundi bahala phasi. - Utijhere ubawa abafundi abha – 2 basikime bajame ngeenyawo. - Utijhere ubuza bonyana “Bangaki abafundi abahlezi phasi?”

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isikhathi sesikhathi	Isilinganiso sesikhathi	Isinjetjenizisa ezinyulwako	Ilanga li-1
1.13	Ukuhlanganisa nokukhupha <ul style="list-style-type: none"> - Abafundi bahala benze indulungu. - Omunye nomunye umfundsi uthola imincamo ebu-9 efakwe ngekomitijini leplastiki. - Thatha imincamo esi-6 engekomitijini uyibeku phezulu kwepiringi. Thatha eminye emi-3 uyihlanganise nemincanyana esepeiringini. Mingaki imincamo engepiringini? - Thatha imincamo emi-4 engepiringini uyifake ngaphakathi kwekomitji yeplastiki. Thatha eminye imincamo emi-5 uyihlanganise nemincamo engekomitijini yeplastiki. Minicamo emingaki engepeiringini? I - 9 ukhuphalsusa ku-4 ukhupha/susaku-5 → 0. - Susa imincamo emi-4 engekomitijini yeplastiki uyise ngepeiringini. Kunemincamo emingaki eselee komitijini yeplastiki? 1-9 ukhupha ku-4 → 5. - Susa imincamo e-5 ekomitijini yeplastiki uyifake ngepeiringini. Kusele imincamo emingaki ngekomitijini yeplastiki? Ku-5 susa/khupha ku-5 → 0. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Hlukanisa abafundi babe ziinqhema. Nikela isiqhema ngasinye isedi yamatfetjhikarada weenthombe.</p> <ul style="list-style-type: none"> - Bala iinthombe ezi-6 ezisefletjhikaradeni. Lokha nauuhlanganisa nefletjhikarada elineenthombe ezi-2 phezulu kwalo. Uzokuba naizingaki kwanjesi? Isi-6 naku-2 → 8. - Bala izinto ezi-8 ezisekaradeni lesithombe. Lokha nange uvala ezintathu zeenthombe, zingaki ozibonako? 8 susa/khupha 3 → 5. - Paka izinto zokubala ezilngana nalezo? 	Amanothi athadhlulako	Nangabe awunamakomitjinofana amapirringi ungasebenzisa lokho onakho.		
2.1	Amaphetheni wejiyomethri <ul style="list-style-type: none"> • Kopulula iphetheni yamatjhada • Okuphathelene nokunyakaziswa komzimba <p>Utitjhore uhlukanisa abafundi linqhema ezintathu. Hlebelia begodu ukhombise isiqhema ngasinye bonyana ngiliphi itjhada lesithuthi elizajanyewiwa siqhema leso.</p> <p>- Isiqhema ngasinye senza itjhada lesithuthi leso abasijameleko lokha utitjhore nakabakhombako.</p> <p>- Vuum, brrm, khutjhukhutjhutu</p>	Okuphathelene nokunyakaziswa komzimba	linthombe ezintathu zeenthuthi ezihukahlukanekonofana imitjhini	Ilanga li-1	

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohahliwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Linhloko</th><th> Amanothi athadhlulako <ul style="list-style-type: none"> • Ukuqinisekska umqondo wokuphatha idatha Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) </th><th> Isilinganiso sesikhathi linsetjenziswa ezinyulwako ilanga 1 </th></tr> </thead> <tbody> <tr> <td> 5.1 Ukubuthelela nokuhlea izinto ngemihlobo Asidlaneni umdhalo: Ukuureka ngamananeko begodu ubuthelele ngokukhetha umbala wehlama yokudlala yeevveke ezillandelako isib. </td><td> <ul style="list-style-type: none"> - Umraaro okufanele usonjullulwe kuthola umbala wehlama yokudlala okufanele ube khona ngeveke elandelako. <p>Buthelela idatha begodu uyihile</p> <ul style="list-style-type: none"> - Sebenzisa izinto eziphathekako ukvenza iGrafu okufana nama bhlogo, amakhuyubhu agandalelweko, amabhlogo weLegonofana weDuplo ajamale umbala wehlama, uhela ukvenza isib. 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linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukwethula ihlathululo yenomboro 0 (ilize) Zomlomo: Ukubala izinto zangamalanga ukufika e-10 ukuthoma elizeni Ukubala uye phambili nokuya emuva ukufika ke-10 ukuthoma elizeni. <p>Ukuqinisa ukubala ngakubili ngokusebenzisa imidunduzelo yeenomboro</p> <p>Utitjhere upaka izinto zokubala eżiġi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwestħalli, kwestħathu, kwsine, kwestħallu, kwestħandathu</i></p> <p>Ukuqinisa imiqondo elandelako: "nengi" begodu "mbadlwana"</p> <p>Ukuwahlha izandla amahlandla amanengi JAMA.</p> <p>Ukuwahlha izandla amahlandla ambadlwana. Utitjhera uwahla izandla bekube ka-10 Ubuza imibuzzo bonyana ngikuphi ukuwahlwa kwezzandia okube kunengi khulu/ mbaalwa khulu. Utitjhera ukhomba bonyana ilize "alijho litho" begodu nokuthi ukubala kuthoma ku-1.</p> <p>Okupħathelene nokusikinyeka kmzimba</p> <ul style="list-style-type: none"> - Utitjhera utjengisa abafundi igama lenomboro ilize. - Vumela abafundi nakħombe bonyana ngisiphi isitho zomzimba esingenza ilize, isib. <ul style="list-style-type: none"> o Umlomo womfundi o Imino yomfundi 	<p>lingoma nemidunduzelo yeenomboro</p> <p>Il langa li-1</p>
	<p>Ukusebenzisa izinto ezipathhekako ezbibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utitjhera ubeka into yokubala esandieni sakhe esisodwa begodu azikho izinto zokubala kwesinxe isandia. - Uvula isandia sakhe esisodwa begodu utjengisa abafundi into yokubala eyodwa., bese uvula esinxe isandia sakhe begodu utjengisa abafundi bonyana asinaliħto. - Ungasebenzisa nabafundi ukwenza umsebenzi lo. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphathatheke ezbibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utitjhera utjengisa abafundi amafejtihkarada angenaanthombe begodu netshwayo lenomboro 0. 	<p>Izinto zokubala</p> <p><input type="checkbox"/> 0</p>

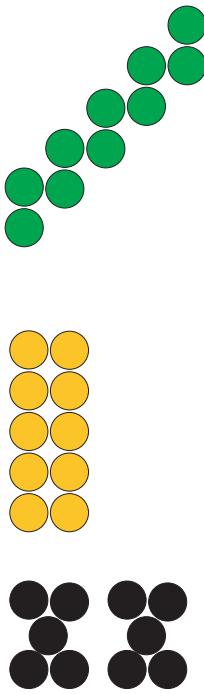
Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahliwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi atthadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.1	<p>Ukwethula ihlathululo yenomboro i-10</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika ku-10 Ukubala uye phambili nokuya emuva ukufika ku-10. Ukubala okungakahleleki 0-10</p> <p>Ukuqinisa ukubala ngakubili ngokusebenzisa imidunduzelo yeenomboro</p> <p>Ukuqinisa ukubala ngeenomboro ezilandelanako:</p> <p>Utitjhire upaka izinto zokubala eisisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwasibili, kwestithathu, kwsesine, kweishlanu, kwestithandathu</i></p> <p>Ukuqinisa imiqondo elandelako: “nengi” begodu “mbadlwana”</p> <p>Ukuwahla izandla amahlandla amanengi JAMA.</p> <p>Ukuwahla izandla amahlandla ambadiwana. Utitjhira uwahla izandla bekube ka-10 Ubuza imibuzzo bonyana ngiliphi inani lokuwahlwa kwezandla elibe linengi khulu/ lincani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana.</p> <ul style="list-style-type: none"> - Ngababili benzé inombolo ye-10 ngemizimba yabo (abafundi aba- 4) - babale ukufika ku-10 ngesikhathi balande ibetho lesigubhu - Baphakamise imino emi-10. - Bagwale inomboro ye-10 esanden/ phasi/ begodu hkamba kiyo. - Bege kali-10 <p>Bafake amakhadibodi weenomboro asikiweko ngemgodieni ophethe izinto okufanele umfundu afanisele ngokuzwa/ ngokuthinta bonyana ubambaa ini.</p> <p>Yiba namafletjhikarada aeneenthombe ezijamele inomboro, isib. limbhlo esimbili ezisekeradeni nenomboro u-2. Abafundi “bezwa” iiinomboro ezingabbhegeni begodu bazimadanise namakarada.</p>	<p>lingoma nemidozelo yeenomboro</p> <p>llamga li-1 Khetha imisetjenzana embalwa kwaphela.</p>	<p>linomnboro zamakhadibodi ezisikiwko</p> <p>Amafletjhikarada wamatshnwayo weenomboro amakhulu</p>

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinaniso sesikhathi	Insetjenziswa ezinyulwako
linhloko	Amanothi athadhlulako	Amakarada aneenomboro zetelofomu zabafundi	Amakarada aneenomboro zetelofomu zabafundi

1.1 Ukubala izinto

Vumela abafundi bonyana:

- Babekе iinomboro zabo zomtato ngokusebeniza amakarada amakhulu .wamatshwayo weenomboro. Balemkise ilize elijamеле inomboro 10.
- Bathuthukise ilemuko lenomboro engatjhugulikko ngokuvumela abafundi babeke izinto zokubala ezilitjhuminofana nanyana ngiziphi izinto ngeend dela ezhlukahlukenko, isib.

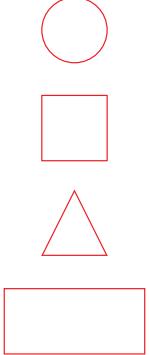
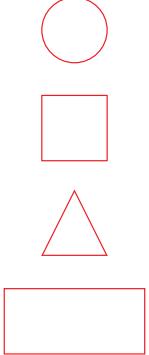


Nawubalako, inani lezinto aliphazanyiswa bukhulu bento, nofana indawo nanyana zingaba mihibo efanako. Isboneio,

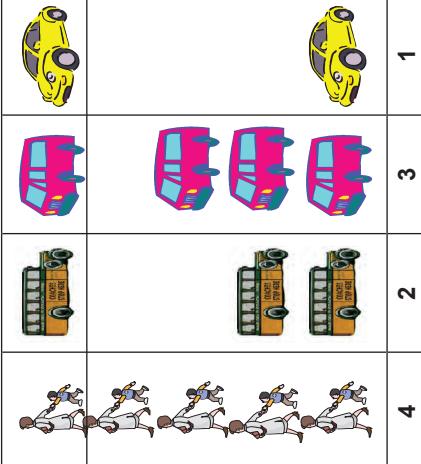
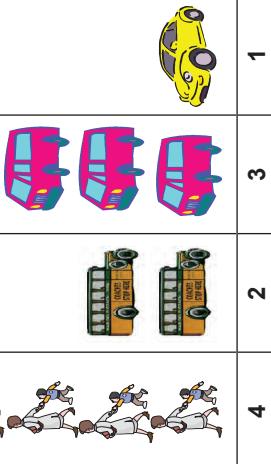
- Hlela iinkunubhe ezi-10, amapensela ali-10, amahubhsiai-10, abafundi abali-10, njil.
- Zibale ngend dela ehlukahlukenko, zibale zirhatjhekile, zihalelene ndawonye, zisemideni nofana zimahobhi, njil

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi	Isisetjenziswa ezinyulwako											
linhloko	<p>Amanothi athadhlulako</p> <p>Sebenzisa amajamo notana linthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Vumela abafundi balandele ilayelo likatijhera:</p> <ul style="list-style-type: none"> - babeke izinto ngeenqhemma ezifaka hlangania iinomboro 1 ukuya ku 10 begodu babalele izinto phezulu. <p>Utitjhera uhlukanisa abantwana ngeenqhemma ezi-5.</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Hlela begodu hlobanisa amakarada weenthombe, amafletjikarada wamaqtjhazi, amatshwayo weenomboro begodu namagama wenomboro ngendlela elandelanako ukufikela enomborweni ye-10 njil. <table border="1"> <tr> <td>linthombe sazinto ezi-1</td> <td>linthombe sazinto ezi-2</td> <td>linthombe sazinto ezi-3</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <p>kuthathu</p> <p>kubili</p> <p>kunye</p> <p>0</p> <p>Izinto zokubala</p> <p>Izinto ezingetlasini</p> <p>Isede yesithombe ukufika enomborweni ye-10</p>	linthombe sazinto ezi-1	linthombe sazinto ezi-2	linthombe sazinto ezi-3										
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linhloko	2.1 Amaphetheni wejiyomethri <ul style="list-style-type: none"> Diala umdialo wephetheni – “iHop skotjhi” Hlanganisa nesiFundu sokuziThabulula emakGhonweni wePii Okupathethene nokusikinyeka komzimba <ul style="list-style-type: none"> - Khamba khamba ngendlini. Esitjengisini,nofana umvumo nawujanjiswako, utijhera ubiza igama lejhada. Abafundi benza ielo ngemini yabo. Bangakha inqhemha begodu bakhе ijamо ngemizimba yabo. - Gwala iphetheni engenzasi eflurwini/phasinofana evarandeni ukobana abafundi bakhambе ngendlela enqophileko  	Amanothi athadhlulako Isilinganiso sesikhathi linsetjenziswa ezinyulwako llanga li-1	Isibonelo sephetheni esinkelweko esigwaiwe eflurini, phasi, evarendeni. Hlathulula iphetheni, isib. <ul style="list-style-type: none"> - Buza imibuzo efana nelandelako: - “Ngiliphi ijamo eliza ngemva kulkancamane wokuthoma na?” - “Ngiliphi ijamo eliza ngaphambi kwendulungu yokuthoma?” Abafundi balandela iphetheni ngendlela elendelako: <ul style="list-style-type: none"> - Utijhera uthi: “John, yeqa ngaphambi kukaMelissa”, begodu Mary, ungeqa ngemva kukaKabela” - Yeqela ngeenyawo zombili kuncamane. - Yeqela ngenyawo lesincele kuncantathu - Yeqela ngenyawo lesidieni esikwereni. - Yeqela ngeenyawo zombili endulungeni begodu jika isizungu zungwane ngendulungeni. - Qdedelata iphetheni.

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhira(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi linsetjenziswa ezinyulwako
Inhloko	Amanothi athadhlulako	Isilinganiso sesikhathi linsetjenziswa ezinyulwako
2.1 Amaphetheni wejiyomethri	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umfundsi ngamunye uthola amajamo alandelako:  <p>Utijhera wenza iphetheni ngamajamo wakhe Vumela abafundi:</p> <ul style="list-style-type: none"> - bakope iphetheni katitjhera basebenzise amajamo angehla - bathuthukise iphetheni yabo ngamajamo anikelweko. 	<p>Umnitwana ngamunye uthola amajamo alandelako:</p>  <p>linlyalelo zikatitjhera Itheminoloji: phezulu/phasi ngaphakathi/ bgaphandle phezulu/phasi phambili/emuva ngaphambi kwa/ngemuva kwa phezu/ ngaphezulu/ ngaphasi/ ngaphezulu ihlangothi linye/ihlangothi elinye hlanu kwe ngesinceleni /ngesidleni hlangana</p>
3.1 Ubujamo, ukujayenza nokubukela	<p>Ukulandela iinkombatjhuba zokukhambanofana zokuzithola usendaweni ethile ngesikhathi esinqophileko</p> <ul style="list-style-type: none"> • Ukuthuthukisa umcabango wekombatjhuba ngokusebenzisa iinlayelo ukufaka hlangana esinceleli begodu nesidleni <p>Okuphatheleene nokusikinyeka komzimba Vumela abafundi balandele iinlayelo zikatitjhera:</p> <ul style="list-style-type: none"> - Qala phezulu/ qala phasi/ qala ehla - Khothameila phasi - Phakamisa umlenze wesincele/ phakamisa umlenze wangesidleni - Khasa uzombe itafula - Khamba utjhing phambili/ khamba utjhing emuva - Faka izandla ngaphakathi/ ngaphandle - Jama ehangothini langesinceleni lesitulo/ Jama ehangothini langesokudla lesitulo - Jama ngaphambi kwesitulo sakho/ ngemva kwesitulo sakho - Jama hlangana neentulo ezimbili - Qala ngesokudla/ qala ngesinceleni - Jikisa inyawo lakho langesinceleni. Jikisa inyawo lakho langesidleni 	<p>linlyalelo zikatitjhera Itheminoloji: phezulu/phasi ngaphakathi/ bgaphandle phezulu/phasi phambili/emuva ngaphambi kwa/ngemuva kwa phezu/ ngaphezulu/ ngaphasi/ ngaphezulu ihlangothi linye/ihlangothi elinye hlanu kwe ngesinceleni /ngesidleni hlangana</p>

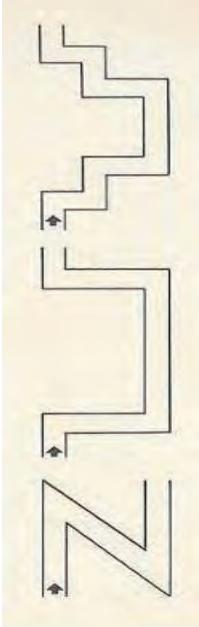
Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsehebenzi munye weklasini ohleliweko ohlahlwa ngutitjhore(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako
3.1 Ubujam, ukujayenza nokubukela	<p>Ukusebenzsa izinto eziphathenkako ezibusontathu (3-D)</p> <p>Vumela abafundi benze izinto ezilandelako ebhodini:</p> <ul style="list-style-type: none"> - Gwala iindulungu begodu ragela phambili ubuyetele begodu ubuyetele  <ul style="list-style-type: none"> - Gwala imida enqophileko ukusuka esinceleni ukuya esidieni  <ul style="list-style-type: none"> - Ukugwala imida eye phezulu naphasi  <ul style="list-style-type: none"> - Utitjhera ugwala amaqatjhazi amabili begodu umfundi ugwala umudaowahlanganisako 	ljjhokibhodi

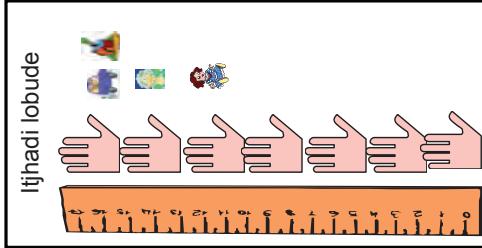
Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhire(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Amanothi athadhlulako	Insetjenziswa ezinyulwako	Isilinganiso sesikhathi				
5.1	Ukubuthlela nokuhlea izinto ngemihlobo <ul style="list-style-type: none"> • Ukuqinisa imiqondoyokuphatha idatha • Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D) <ul style="list-style-type: none"> - Utijhera uhlathulula begodu ufundaya bonyana umntwana ngamunye uza ngani esikoleni. - Ubuthelela igratu yeenthombe ejengisa abafundi bakhamba, beza esikoleni ngeteksi, beza ngekoloyi yababelethi bakte begodu nabafika ngebhesi, isib 			<p>Abomegezini abaneenthombe zeteksi, zebhesi, zekoloyi begodu nomfundii okhambako. Nawunganazo linthombe, sebenzisa lokho onako begodu gwala zakho</p>				
5.2	Ukujamiselela ibuthelelo lezinto elihlelekiko		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">4</td> <td style="text-align: center; width: 25%;">2</td> <td style="text-align: center; width: 25%;">3</td> <td style="text-align: center; width: 25%;">1</td> </tr> </table>	4	2	3	1	<p>Tsenga imiphumela ngokuya ngemibuzzo</p> <ul style="list-style-type: none"> - Tsenga imiphumela ngokuya ngemibuzzo
4	2	3	1					
5.3	Coca begodu ubike ngokuhlelwka kwezinto ezibuthelelweko		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">4</td> <td style="text-align: center; width: 25%;">2</td> <td style="text-align: center; width: 25%;">3</td> <td style="text-align: center; width: 25%;">1</td> </tr> </table>	4	2	3	1	
4	2	3	1					

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako
1.1	<ul style="list-style-type: none"> Ukuqinisa ilwazi elizuzwe evekeni yama-37 eraka hilanganan inomboro 0 ukuya ku-10 <p>Zomlomo: Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuya ukufika e-10 Ukubala okungakahleleki 0-10</p> <p>Ukuqinisa ukubala ngakubili ngokusebenzise imidunduzelo yamagama</p> <p>Ukuqinisa ukubala ngeenomboro ezilandelanako:</p> <p>Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwasibili, kwestithathu, kwasine, kwestihlanu, kwestithandathu</i></p>	<p>Isilinganiso sesikhathi</p> <p>Ilanga li-1</p> <p>nofana</p> <p>Khettha kwaphnela eminye imisebenzi</p>
	<p>Ukuqinisa imiqondo elandelako: “nengi” begodu “mbalwa”</p> <p>Ukuwahla izandla amahlandla amanengi JAMA.</p> <p>Ukuwahla izandla amahlandla ambadiwana. Utijhera uwahla izandla bekube ka-10 Ubuza imibuzo bonyana ngikuphi ukuwahla kwezzandla okube kunengi khulu/ mbaalwa khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhera uwahla iindulungu ezi-11 (1ukuya 10) etatawinji lezemidalonofana basebenzise amawupsi. Tiola imomboro 0 ukuya ku-10 ngaphakathi kwendulunga ngayinye. - Khumbuza abafundi bonyana i-0 alitjo litho. Nangabe umfundii uphosa umgodiana wamabhontjisi” endulungeni yelize” uzokupphuma angasadali . - Umfundii uphosa umgodlana wakhe wamabhontjisi endulungeni ekhambisana neqatjhazi begodu/nofana nekarada lesithombe estijengiswe ngutitjhera. - Umfundii uphosa umgodlana wakhe wamabhontjisi endulungeni etijengiswe ekaradni lamashwayo wenomboro etijengiswe ngutitjera. - Ragela phambili ngokusebenzisa amakarada wamagama weenomboro ngendela efanako. 	<p>lingoma nemidunduzelo yeenomboro</p> <p>imigodlana yamabhontjisi eli-10 linndulungu ezigwalwe esansen, phasi nofana effurini nofaha sebenzisa amawupsi</p>

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi mune weklasini oheliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	linhloko	Isikhathi Amanothi athadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi	
1.3 Amatshwayo weenomboro namabizo weenomboro	Sebenzisa amajamo notana linthombe ezipheze ziphathike ezibusobubili (2-D) Asidlaneni umdialo: <ul style="list-style-type: none"> - Utitjhera utiola igama lenomboro ehangothini ellidwa lekarada begodu utiola itsihwayo lenomboro ehangothini eliny lekarada elifaka hiangana iinomboro. - O ukuya ku 10 (sebenzisa amasede ambalwa) - Abafundi "bafunda" igama lenomboro begodu bafunisela itsihwayo lenomboro - Baphendulela ikarada ngale kwalo begodu bazilungisa ngokwabo. 	1-10 0 ukuya ku 10 (sebenzisa amasede ambalwa)	Isede yamakarada weenomboro elifaka hiangana Inomboro 0-10 Amakarada atfaka iinomboro 1-10 ezinamagama weenomboro kelinye ihiangothi begodu netshwayo lenomboro kelinye hlangothini. (yenzaq amasede ambalwa ukwenzela bona omunye nomunye umfundsi abe nekarada lakte)	Isede yamakarada weenomboro elifaka hiangana Inomboro 0-10 Amakarada atfaka iinomboro 1-10 ezinamagama weenomboro kelinye ihiangothi begodu netshwayo lenomboro kelinye hlangothini. (yenzaq amasede ambalwa ukwenzela bona omunye nomunye umfundsi abe nekarada lakte)	llanga loku-1	
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	Ukwethula iinomboro ngokulandelana kwazo-kokuthoma, kwesibili, kwestithathu ukufikele kukwesithandathu. Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame	Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame	Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame	Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame	Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame	Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebulu ubijamo bemvelo njengombana benzeka getiasini, isib. Ukjajama emdeni wokulungiseletu ukuya ngaphandle "USiya ngewokuthoma, uHelen ngowesibili ..." Okupathethelene nokusikinyeka komzimba - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? Dlala umdialo- Ngiyiphi okungiyo? - Bawa abafundi abahlau bahlale ngereyi eentulweni ezhlanu. - Utitjhera uthi: Ngicabanga ngabanye babafundi laba. Umfundsi umbethe ijesi ebomvu." - Ukuthoma ngomfundsi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundsi ngamunye begodu ubuza: " Kumfundsi wokokuthoma, wesibili, wesithathu... na? Vumela abafundi bajame ngaphandle emastebhisini. Utitjhera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundsi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundsi qjame

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	<p>1.7 Ukuhlanganisa nokukhupha</p> <p>1.7.1 Amanothi athadhlulako</p> <ul style="list-style-type: none"> Ukurarulula iinkinga zamagama ngomlomo (indatjana yeembalo) ezifaka incomboro 10 <p>Zomlomo: Ukuhlanganisa nokukhupha ukufika ku -10 Ukuhlanganisa nokukhupha uye phambili begodu uye emuya ukufika ku-10.</p> <p>Ukuqinisa imiqondo elandelako: “nengi” begodu “mbalwa”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA. Buza imibuzo bonyana mangaki amahlandla wokuhwala amanengi khulu, ambadiwana limbonejo:</p> <ol style="list-style-type: none"> Bekunabafundi aba-5 ngettasini. Kwafika abanye abantazana aba-5. Bangaki nasele baboke? 5 na 5 → 10. Bala izinto zokubala ezi-7. Ngeza ngazimbili. Ngeza ngayinye godu. Zingaki nasele zizoke? 7 na 2 na 1 → 10. Kunezinto zokubala ezi-10 etafuleni. Kusele ezine kwaphela. Zingaki izinto zokubala ezsusiweko? 10 khupha 6 → 4. Unamamabula ali-10. Susa ma-3. Mangaki aseleko? 10 khupha 3 → 7 Ubhage amakhhekhe ali-10. Uthengise ma-2. Mangaki amakhhekhe aseleko Kunezinto zokubala ezi-10 etafuleni. Kusele zintathu kwaphela. Zingaki izinto zokubala ezsusiweko? <p>3.1 Ubujaamo, ukujayea nokubukela</p> <ul style="list-style-type: none"> Ukulan dela iinkombatjhuba zokukhamba nofana zokuzithola ngokwakho usendaweni ethile ngettasini. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utitjhere ubawa abafundi bonyana bayokujama ngemuva ngeklasini (umnyango ovulekako utjengisa ingaphakathi ietassi) - Utitjhere ubawa abafundi bonyana bayokujama ehangothini elliodwa langetlasini/ kelinye ihlangothi ietassi. - Utitjhere ubawa abafundi bonyana bajame ngaphambili ngettasini. 	<p>Isilinganiso sesikhathi</p> <p>linsetjenziswia ezinyulwako</p> <p>llanga li-1</p>	
	<p>3.2 Itjhada linehlahthululo</p> <p>Abafundu balaleta:</p> <ul style="list-style-type: none"> - Isimbi - Ifengwana. - Isitabagelo somvumo - Ukubethwa kwamabhlago amabili ndawonye 	<p>Isimbi</p> <p>Ifengwana</p> <p>Esinye nesinye isitabagelo somvumo</p> <p>Amabhlogo amabili weengodo</p>	

Iveke yama 38 Umsebenzi munye weklasini oheliweko ohlalhwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Linhloko 3.1 Ubujamoo, ukujayenza nokubukela	Amanothi athadhlulako Abafundi bavala amehlo wabo begodu balementu itjhada lesimbi,nofana lefengwana nofana lesitlabagelo somvumo. - Abafundi bavala amehlo wabo begodu balementu bonyana itjhada livela ngakuphi. Bangathoma nokuphosa umgodilana wamabhnontisi ngehlangothini okuvela kio itjhada begodu bathintana bonyana itjhada livela ngakuphi, isib. Ngaphambili kwetlassi, hlanu kwehugu yeencwadi, njii. - Utitjhera ulayela abafundi aba-4 bonyana bajame emahlangothiniweboda letlassi. Abafundi aba-4 bajama emahlangothini ama-4, umfundni ngamunye uba nesitlabagelo esitlhuleko (isimbi, ifengwana, isitlabagelo somvumo begodu namabhlogo amabil).- Utitjhera ukhomba ngesandla sakhe abafundi ngabanye bonyana benze itjhada ngesitlabagelo sabo, isib. Isimbi kwaphela - Ittasi loke littingisa lapho okuvela ngakhona itjhada ngokukhomba ihlangothi okuvela ngakilo, isib.itjhada lesimbi - Ukuqinisa umqondo wesinceleni nowesidleni, thuma abafundi ababili abajame ngaphambili begodu nangemuva kwetlassi bonyana babuyele esiqhemeni.- Buyelerela umsebenzi lo unqophe emetjhadeni avela esinceleni begodu nangesidleni setlasi - Abafundi bathi “esinceleni” itjhada nalivela ngesandleni sesincele begodu “esiddeni” itjhada nalivela ngesandleni sokudla	Insetjenziswa ezinyulwako Isilinganiso sesikhathi Isimbi Ifengwana Esiyne nesinye isitlabagelo somvumo Amabhlogo amabilii weengodo Ipara yamanyathelo Incwadi yokusebenzela begodu namakhrayoni 
		<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi basebenzisa ibhlogo, isib. Khambisa ibhlogo ulihlobanise nesitulo. <ul style="list-style-type: none"> o Khamba uye emuval/khamba uye phambili o Jama ehangothini langesidleni sesitulo/ Jama ehangothini lengesidleni sesitulo - Jama hlangana neentulo ezimbili <ul style="list-style-type: none"> - Hlela amanyathelo wesinceleni wodwa begodu newangesidleni wodwa. <p>Sebenzisa amajamonofana iinthombe ezipheze ziphathekoezibusobubili (2-D)</p> <p>Vumela abafundi baqedelele incwadi yokusebenzela ngokusebenzisa ikhrayoni ukugwala umuda ohlangana nemida, isib.</p>	

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini oheliweko ohlahlwa ngutitjhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko 4.2 Ubude	<p>Amanothi athadhlulako</p> <p>Ukumadanisa nokuhela izinto eziphathekako ngokusebenzisa ilwazimaga</p> <ul style="list-style-type: none"> Ukumeda ubude babafundi ngokusebenzisa itheyiphi yokumeda <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> Qala umsebenzi wethemu yokuthoma begodu neyesithathu lapho kumedwa khona ubude babafundi kusefenziswa izandla ejhadini lobude. Meda ubude babafundi godu. Uttijhera ubeka itheyibhu yokumeda hlalu kweenthombe zeemandla ejhadini lobude. Ubude babafundi buyamedwa godu. Yeleisa abafundi bonyana kusefenziswa isittabagelo sokumeda esihlelekileko begodu lokhu ngilokho ebekusefenziswa ngumma nakathunga amarogo. Njenganje abalingani nobude bezandla ezi-10 kodwana bayimitha li-1 nama-10 cm ubude. Abafundi bangamadanisa ubude babo. Ngubani omude khulu/omfitjhani khulu ngellasini? <p>Ukusebenzisa izinto eziphathekako ezbisontathu (3-D)</p> <ul style="list-style-type: none"> Umfundi uiala phasi effuriri, abanye babeka amabhlogo wokwakha (wamasayizi alinganako) ngomuda onqophileko magega nomzimba womfundu. Uttijhera unikela iinlayelo: “Yakha okuthileko okudanyana / okutifthazzana kunomngani wakho. 	<p>linsetfenziswa ezinyulwako</p>  <p>Itjhad i lobude itheybhu yokumeda</p>

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadhlulako.	Insetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
1.1 Ukubala izinto	<ul style="list-style-type: none"> Ukuqinisekisa ihlathululo yenomboro li-10 Zomlomo: Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuva ukufika e-10 Ukubala okungakahleleki 0-10 <p>Ukuqinisekisa ukubala ngeenomboro sikhundla: Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala kokuthoma, kwestibili, kwestithathu, kwsesine, kwestihlanu , kwestihandathu</p> <p>Ukuqinisekisa umqondo wokuthi “okunengi” ne “okuidlanzana” Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-10. Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, ambadlwana</p>	<p>Ukuqinisekisa ihlathululo yenomboro li-1 lingoma nemilozelo yeenomboro</p>	liangga li-1
	<p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> Batjho umblolozeo weenomboro basebenzise imino elitjhumi. Babale bona utijhere ubethha amahlandla amangaki etafuleni nabo bamlingise. Wahle izandla zabo kalitjhumi. Bala ukuya ngokulandelana kwamagido lokha abafundi nabebla iintebhisi beqela ngaphakathi nangapphandle kwamawupsi. Gadanga ngeenyawo ngokulandela amagido alandelanako. Abafundu abalitjhumi bajana endulungwini omunye aphathe umgodana wamabontjisi, kube nethungana phakathi nendawo. Abafundi abaphosele imigodlana yabo yeembontjisi ngethungeni barangile phambili kufika e 10. Abafundi kufanele babalele phezulu lokha nabaphosetlako. Buyetela umsebenzi kufika lapho woke umfundi athola ithuba loku phosela.. 	<p>Imigodlana yanabontjisi nethunga</p>	

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) \pm 30 yemizuzu ngelanga (\pm 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa Ubude Besikhathi
linhloko	Amanothi athadhlulako.	Insetjenziswa Eziphakanyisiweko.
1.1 Ukubala izinto	<p>Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <p>Hlukanissa abafundi babe ziinqhenyama ezincani</p> <ul style="list-style-type: none"> - Utijhere unikela abafundi amaphazeli weenomboro. - Abafundi bathola begodu baphenye woke amakghonakalo. - Abafundi banagaphosa idayisi ukuthola bona bakhe yiphi iphazeli yenomboro. <p>Yenza amaphazeli weenomboro afaka hlangana inomboro u ku 1 kufika e 10</p>	

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa Ubude Besikhathi
linhloko 1.13 Ukuhlanganisa nokukhupha	<p>Amanothi athadhlulako.</p> <p>1. Ukuqinisekiso ukuhlanganisa nokukhupha ngeensombululo ezifika e-10 Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuva ukufika e-10</p> <p>Ukuqinisekisa ukubala ngokubili ngokusebenzisa imilolozelo yeenomboro . Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-10. Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, ambadlwana</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubizela abafundi aba 5 ngaphambili begodu aragеле phambili nokungezelela ngamunye kufikela enomborweni ye 10. - Abafundi babalela phezulu. <p>Ku-5 naku-1 → 6 (Yithi: Kuhlanu nakunye kukanikela okusithandathu)</p> <p>Okusi-6 naku-1→7. Okuli-7 naku-1→8 Okubu-8 naku-1→9 Okuli-9 naku-1→10</p> <ul style="list-style-type: none"> - Utijhere ubuyisela abafundi eenhlaweni zabo begodu abafundi babale baye emuva. <p>10 khupha 1→9 9 khupha 1→8 10 khupha 2→8</p> <p>Ukusebenzisa izinto eziphatnekako ezbibusontathu (3-D) Abafundi bahllala emadeni. Umfundu ngamunye unezinto zokubala ezili -10 nesivalo seplastiki. Abafundi abalandele iinlayelo:</p> <ul style="list-style-type: none"> - Paka izito zokubala ezi 6 esivalweni sakho. Ngeza ngazi 4 phezulu. Zingaki sezizoke? - Paka 10 izinto zokubala. Khupha 5. Kusele zingaki? njil! 	<p>Ilanga li-1</p> <p>lingoma nemilolozelo yeenomboro</p> <p>10 izinto zokubala zomunye nomunye umfundi</p> <p>limvalo zamaplastiki isib isivalo sesimumathsi se-ayisikhrimu</p>

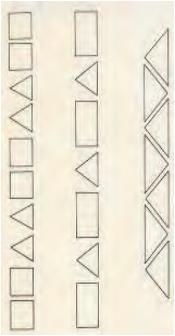
Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athadhlulako.	Ukulinganisa Ubude Besikhathi	Insetjenzisa Eziphakanyisiweko.
1.13 Ukuhlanganisa nokukhupha	<p>Sebenzisa amajamo notana liinthombe ezipheze ziphathike ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Ukubala izinto ezbü 8 ekaradeni leenthombe . Lokha nawungeza izinto ezi-2 ekaradeni leenthombe, uzakuba namangaki njenganje? - 8 naku 2 → 10. Paka inomboro elinganako yezinto zokubala. - Bala izinto ezili -10 ekaradeni leenomboro. Lokha nauvala izinto ezi-3 , ubona zingaki? 10 khupha 3 → 7. Paka inani elifanako lezinto zokubala. 	<p>Amafeijhi kara da weenthombe afaka hlangana inomboro 1 ukuya e 10 Izinto zokubala</p>	
1.4 Ukuhlathulula, ukumadanisa nokuhelia inomboro ngokupheleleko	<ul style="list-style-type: none"> • Madanisa bonyana ngilphi lamabuthlelo amabili onikelwe wona eli: <ul style="list-style-type: none"> - Nengi kuna - mbalwa kuna - Kulingana na <p>Ukubala izinto zangamalanga ukufika e-10</p> <p>Ukubala uye phambili begodu uye emuva ukufika e-10 ngokusebenzia imilolozeo neengoma zeenomboro.</p> <p>Ukuqinisekisa ukubala ngakubili ngokusebenzia imilolozeo yeenomboro .</p> <p>Ukuqinisekisa umqondo wokuthi “okunengi” ne “okulidlanzana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadiwana. Utijhera uwahla izandla bekube ka-10.</p> <p>Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, ambadiwana amawupsi ama-2</p> <p>Okupathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubeka abafundi abasi 6 ndawonyenge ngewupsini begodu afake abanye aba -4 ngakwenye iwupsi . - Utijhere uyababuza: "Kghani kunabafundi abanengi , abaidlanzananofana abalinganako ngaphakathi kwenyenenyenye iwupsi na? - "Abafundi bayathola bona ngiyiphi iwupsi ena ‘banengi kuna’ ” dlanzana kuna”, na “elinganako” inomboro yaba fundi. 	llanga li-1	

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa Ubude Besikhathi
Linhloko	Amanothi athadhlulako.	Insetjenzisa Eziphakanyisiweko.

1.4 Isikhathi Sokufundisa Esiphakanyisiweko:

Ukuhlathulula, ukumadanisa nokuhela inomboro ngokupheleleko	<p>Ukusebenzisa izinto eziphathenkako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka-10 izinto zokubala, -6 izinto zokubala na-4 izinto zokubala etafuleni. - Ngaphandle kokubala, qagela/funisela inani lezinto zokubala / amabhlago etafuleni - Utijhere uyababuza: " kghani kunezinto zokubala ezingaphezu kwezili-7?" "Ziphewe zilingane, zidluu ka kancazana, zilidanzana, zimbadlwana, zilingene, azikalingani?" - Utijhere uthi: "Hlola ipendulo yakho ngokubala izinto zokubala." "Ukuqagela/ukufunisela kwakho bekuseduze kangangan?" <p>Sebenzisa amajamo notana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ubatjengisa amakarada amabili anenani elihlukileko lamaddothi / lamaqatjhaza neenthombe kivo. - Abafundi abamadanise amakarada aneenthombe namaqatjhazi begodu bakhombe / babone "okunengi kuna", "okuncani kuna" noku "lingana na". 	<p>Izinto zokubala</p> <p>Amakarada amabili anenani elihlukileko lamaqatjhazi/ lamadotti neenthombe kiwo</p>
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Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa Ubude Besikhathi
linhloko	<p>3.1 Ubujam, ukujayenza nokubukela</p> <p>• Qinisekisa Isincele ne Sokudia</p> <p>Okupathelene nokusikinyeka komzimba</p> <p>Ukuhlathulua izintu ezimbili nofana ngaphezulu ezibusobuntathu 3-D lokha uzihiobanisa enye kweneye</p> <ul style="list-style-type: none"> Qinisekisa Isincele ne Sokudia <p>Ummerego wenyawo owenziwe ngephepha "lesincele" ne "lesokudia"</p> <p>Utitjhere ubeka iintepa zangakweseseincele nezangakwessokudla zizombeleze itasi loke.</p> <p>Abantwana bayakhassa ngokukhambisa umkhono munye nedolo linye ngesikhathi esisodwa</p> <p>Bakhamba phezulu kwazo isibonelo lokha nabaya esikottelewani sokuhlamba.</p>  	<p>Amarnothi athadhlulako.</p> <p>linsetjenzisa Eziphakanyisiweko.</p> <p>llanga li-1</p>

Iveke yama 39	<p>Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutijihere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)</p>		
linhloko	Amanothi athadhlulako.	Insetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
3.1 Ubujamo, ukujayenza nokubukela	<p>Ukusebenzisa izinto eziphathenkako ezbibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijihere ubeka amakorikotana ali-7 phezu kwetafula. - Abafundi abatjho bona ngiyiphi inomboro engesinceleni saka ku -3, ngiyiphi inomboro engesideleni saka si -6, ngiziphi inomboro eziphakathi kwaka ku 3- nesi -6. - Ngiyiphi inomboro esekuthomeni begodu ngiyiphi esekugcineni.  <p>Amakorikotana anomboriweko.</p>	<p>Sebenzisa amajamonofana iinthombe ezipheze ziphathetke ezbibusobibili (2-D)</p> <ul style="list-style-type: none"> - Utikjihere ubeka abonomppoi / iinkoloyana aba/ ezi 3 nezambathonofana umbala obonakala kuhle phezu kwe tafula. - Ubuza imibuzo efana nokuthi: <ul style="list-style-type: none"> ○ Ngimuphi unomppoi/ ikoloyana engesinceleni ? ○ Ngimuphi unomppoi/ ikoloyana engesideleni? ○ Ngimuphi unomppoi/ ikoloyana ephakathi ? Ngimuphi unomppoi/ ikoloyana esekuthomeni / esekugcineni? 	Ilanga li-1
2.1 Amaphetheni wejiyomethri	<ul style="list-style-type: none"> • UkuzaKhela amaphetheni wakho <p>Ukusebenzisa izinto eziphathenkako ezbibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bathoma ngokukopulula amaphetheni bawasusela emaphethenini abanikelwe wona. - Ekugcineni abafundi bazakhela amaphetheni wabo begodu bahlathulule amaphetheni wabo. 	Amakarada wobujamo namaphetheni	

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetasini esirholwa ngutitjhore (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Linhloko	Amanothi athadhlulako.	Ukulinganisa Ubude Besikhathi	Insetjenziswa Eziphakanyisiweko.
2.1 Amaphetheni wejiyomethri	<p>Umsebenzi wephegi bhodi:</p> <p>Umfundi akathome ngokusebenzisa isandla sakhe sokudla bese alandelise ngesambla sangesincle, bese kube ngizczombili ukubeka amaphegi ephegi bhodini</p> <ul style="list-style-type: none"> - Uttithere utjeta abafundi bona bawabekе kuphi amaphegi isib. <ul style="list-style-type: none"> o Ereyini <i>elingaphezulu</i>. o Ereyini <i>elingaphasi</i>. o Ngehlangothini <i>lesincele</i>. o Ngehlangothini <i>lokudla</i>. o <i>Phakathi nendawo</i>. <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukwenza amajamo ephegi bhodini ngamaphegi anemibalabala. - Uttithere ultama iphetheni elula ngama phegi ephegi bhodini yakhe, begodu abafundi bakopulula iphetheni yakhe bayikopululele emaphegi bhodini wabo. 	<p>Iphegi bhorodo namaphegi. Amaphetheni lapho abafundi kufanele bakopulule khona</p>	

Iveke yama 40	Sebenzisa iimveke ezili 40 ukutjheja ubuthakathaka bomqondo begodu /nofana iinqabi zokufunda ezitholakeleko.
Okumumethweko	Ishiiko
Inomboro , ama-Opharejtjini Nobudlelwana	<p>1.1 Ukubala</p> <p>Ukulinganisa nokubala okungakahaleki ukufika e -10 (iingoma zeenomboros nemilolozero ifakwe hlangana ukuthuthukisa umqondo wenomboro)</p> <p>Ukubala uye emuva naphambili (0-10)</p> <p>Ukubala ngakubili (iingoma nemilolozero yeenomboro)</p> <p>Ukuzwisisa umqondo wokuthi "kunengi nolidanzana" (ukuwahlia)</p> <p>Ukuzwisisa bona ngiwaphi amahlandla wokuhwala abe manengi /mancani , manengi khulu, / mancani khulu</p> <p>Ukubona iinthombe zeenomboro nama karada wedothi /weqatjhazi kusuka e 0-10.</p> <p>Ukwazi amatshwayo weenomboro 8, 9, 10 begodu ne 0.</p> <p>Ukukhumbula amagama weenomboro bunanae, lithoba, netjhumi nelize.</p> <p>Ukuqedelela ukulandelana kweenimbora okulula kusuka eenomborweni 11-10.</p> <p>Ukukhumbula nokubona linomboro ebujamweni obujayelekileko – isib. Unyaka, iregista..</p> <p>Ukuhlukanisa phakathi kokunengi, kuncani, kuyalingana, okunengi khulu nokumbalwa khulu kufikela enokmborweni li 10.</p> <p>Ukuzwisisa iinomboro sikhundla –wokuthoma, wesibili, wesithathu, weswine, wesihlanu, nowesithandathu.</p> <p>Ukuzebenzisa izinto eziphathhekako</p> <p>Ukuhlathulula ukucabanga kwakhe ngamagama begodu nangokugwalanofana ukusebenzisa izinto eziphathhekako</p> <p>Ukurarulula imiraro yokuhlanganisa nokukhupha efaka hlangana iinomboro kufika e 10 ngehloko</p> <p>Ukukopulula , ukungezelala begodu nokutjama amaphetheni wakhe ngokulalela.</p> <p>Ukuzwisisa umdlalo we " hopskotjhi"</p> <p>1.4 Ukuhlathulula, ukumadanisa begodu nokuhelia iinomboro</p> <p>1.6 Amathekiniki wokurarulula umrraro</p> <p>1.7 & 1.13 Ukuhlanganisa nokususa/ ukukhupha.</p> <p>Amaphetheni ama-Fanktjhini & Aljbra</p> <p>Isikhala noBujamo (Jiyomethri)</p> <p>3.1 Ubujamo, ukuzijayeza nokubukela</p> <p>3.2 Izinto ezinobuso obuntathu (3-D) bedodu</p> <p>3.3 Amabumbeko anobuso obubili (2-D)</p> <p>3.4 Isimetjhri</p> <p>4.2 Ubude</p>
Ukumeda	UkuKhumbula umuda wesimethri eziNtweni
	Ukuzwisisa bona izinto nazo ziyyamedwa ngokusebenzisa itheyibhu yokumeda

		Kghona ukubuthelela, ukuhela ngamananeko ukugwala, ukufunda nokujamisa, (tsenga) izinto ukuya ngakhunye okuphawulekako .
Ukuphattha Idatha	5.1 Ukubuthelela nokuhela izinto	
	5.2 Ukujamisela ibuthelelo lezinto ezhelweiweko	
	5.3 Ukuocisana nokuletha umbiko ngezinto ezisebuthelelweni elihelweiweko.	

ISAHLUKO 4: NOKUHLOLA

4.1 ISINGENISO

Ukuhlola yikambiso eragela phambili etlanyiweko yokuqala, ukubuthelela kanye nokurhumutjha ilwazi elimayelana nokusebenza kwabafundi, ngokusebenzisa iindlela ezhlukeneko zokuhlola. Kufaka hlangana amagadango amane:

- ukuhloza kanye nokubuthelela ubufakazi bokuzuza,
- ukuhlola ubufakazi lobu:
- ukutlola phasi lokho okutholakeleko bese
- kusetjenziswa ilwazi leli ukuzwisia begodu nokusiza ekuthuthukiseni umfundu ukuze kwenziwe ngcono ikambiso yokufunda nokufundisa.

Ukuhlola kufanele kwenziwe ngazo zombili iindlela kube ngokungakahleleki (Ukuhlola mayelana nokufunda) nangokuhlelekileko (Ukuhlola kokufunda). Kizo zombili iindawezi umbiko obuyako kufanele unikelwe abafundi ukwenza ngcono ilemuko lokufunda.

EsiGabeni esisiSekelo, amathekhniki aqakathekileko wokuhlola okuhlelekileko begodu nokungakahlelekiko alitjhejo lakatitjhere, ukucocisana ngokomlomo, ukutjengisa ngokwenzekako, begodu nemitlolo erikhodiweko. Ukuhlola kweGreyidi R kufanelel kube ngomlomo begodu kwenzeke.

4.2 UKUHLOLA OKUNGAKAHLELEKI NOFANA UKUHLOLWA KWANGAMALANGA

Ukuhlola okumayelana nokufunda kunomnqopho wokuragela phambili ngokubuthelela ilwazi ngalokho umfundu akuzuzileko okungasetjenziswa ukwenza ngcono ukufunda kwabo.

Ukuhlola okungakahleleki kutjheja iragelo phambili labafundi okwenziwa ngamalanga. Lokhu kwenziwa ngendlela yokutjheja, ukucocisana, ukutjengisa ngendlela ebonakalako, ukukhulumisana ngendlela engakahleleki ngetlasini, njll. Akukafaneli kubonwe njengento ehlukileko kunemisebenzi efundwako leyo efundwa ngetlasini. Ukuhlola okungakahleleki kurhebha utitjhere ukutjheja ituthuko yomfundi nokwenza imiyalelo ngesiqunto samalanga woke. Ukuhlola okuhlelekileko kusebenza:

- ukunikela umbiko obuyako ebafundini
- ukwazisa ukutlamela ukufundisa

Kwesinye isikhathi utitjhere angalondoloza irhelo lokuhlolanofana aberegise itjhejuli yokuqala njengendlela yokurekhoda ikambiso yomfundi. Kwesinye isikhathi umfundinofana utitjhere angatshwaya umsebenzi. Noma kunjalo ukuhlola okungahleleki akubi yingcenyerekhodi elihkelekileko lomfundi. Imiphumela yemisebenzi ehlolwa ngamalanga ayitjhejwa nakukhutjhulwa abafundi kanye neenkambisweni zeentifikeyidi.

4.3 UKUHLOLA OKUHLELEKILEKO

Yoke imisebenzi ehlolwako ebumba ihlelo elihlekileko lokuhlola mayelana nomnyaka ithathwa njengokuhlola okuhlelekileko. Imisebenzi yokuhlola okuhlelekileko iyatshwaywa bese itlolwa phasi ngutitjhere ngendlela ehlelekileko mayelana neragelo phambili kanye nomnqopho wesitifikeyidi. Ukuhlola okuhlelekile kunikela abotitjhere indllela yerherho yokuhlunga ukuthi abafundi bathuthuka bunjani ngegreyidini ngayinye begodu nasesifundweni esithize.

Utitjhere angaqla kuphela abafundi abangaba li 10 ngesikhathi sinye, ngakho ke imisebenzi yokuhlola okuhlelekileko izokwenzeka khulu ekuhlanganeni okunqophekileko kweenqhema ezincani begodu kuzothatha amalanga ukuhlola ikumba yoke yokufunda. Yoke imethiriyali neensetjenziswa lezo abafundi abanokuziberegisa kufanele zibe khona njengasemihleni, (izinto zokubala, amatjhadi weenomboro,njll) lindlela zokuhlola ezisetjenziswako kufanele zilingane

neminyaka begodu nezinga letuthuko elifanelekileko. Ubujamo bermisebenzi le kufanele bulingane nokumumethweko kwesifundo ngeendlela ezhlukeneko.

Imihlobo ehlukenecho yokuhlola (ukuqala, okomlomo, okwenziwako nokutlolwako) kufanele kuberegiswe ukunikela umfundu ngamunye ithuba lokutjengisa abangakwenza. Lokhu kungombana abanye abafundi bakghona masinyana ukubonisa lokhu abakwaziko kokhunye ukuhlola okuhlelekileko. Isibonelo,

- Abanye abafundi abanekghono lokufunda bayazazi iiMbalo.
- Abanye abafundi ngeze babe sezingeni elamu kelekileko lokukghona ngelimini lokufunda nokufundisa.

Imisebenzi yokuhlola ngembalweni kufanele bafake imisebenzi begodu nemisetjenjana engakasekelwa elimini, begodu engakasimi ekufundeni, ukuveza isiphiwo samambala sabafundi laba.

Noma kunjalo, iyalelo lalokho okuhlola lifanele liqalwe. Ilwazi elithileko begodu, amakghono aholeka kuhle ngeendlela ezithileko zokuhlola. Imihlobo ehlukenecho yokuhlola ilungele amakghono begodu nemiqondo etlhogekako eenhlokwaneni ezhlukeno neenqhema zeminyaka ezhlukeneko. Kuyarheleba ukusebenzia irhelo lokuhlola ukuhlola ukulinganisa abafundi emagreyidini aphasi. Irubrikhi ingaberegiswa ukuhlola ikghono lomfundu ekurarululweni kwemiraro.

4.4 IHLELO LOKUHLOLA OKUHLELEKILEKO

Imisebenzi yokuhlola okuhlelekile kweeMbalo kuhlanganisa iinhlokwana ezinengi zeeMbalo. Imisebenzi yokuhlola ngomnyaka kufanele ifake koke okumumethweko begodu neenhloko, kodwana akusikho koke ngeendingweni zekharikhylamu ezizokuhlolwa ngokomthetho nofana ukubika ngokomthetho ngalokho. Ilinomboro, imisebenzi nobuhlolo kwenza 60% wezibalo ngegreyidini R. Lokhu kutjho bona ama 60% wokuhlola okuhlelekile ngethemu ngayinye enyakeni kufanele kuqaliswe eeNomborweni, emisebenzini begodu nobuhlolo.

Umsebenzi ngamunye wokuhlola okuhlelekile akukafaneli bona ubonwe njengeshlakalo esisodwa nofana ukulingwa. Ezinye iinquntu zesilinganiso zingahlolwa ngasikhathi sinye, kodwana ezinye zizahlolwa esikhathini esihlukile. Isibonelo lokha ikghono labafundi lokubala ngokweqa lihlolwa, ikghono labo ukwenza okulandelako lingahlolwa emsebenzini ofanako nofana iseohlakalo:

- Uqedelela ilandelano lokubala
- Ufundu nokutlolola amatshwayo weenomboro
- Ukubala

Noma kunjalo, lokha umsebenzi wokuhlola umumethe kokubili ukurarululwa kwemiraro ngokweenqhema/nangokuhlanganyela, begodu nokuhlola ikghono labafundi lokulinganisa umthamo; kuvamile ukuthi amahlangothi wobujamo weeMbalo azokuhlolwa eenkathini ezhlukeneko begodu ngeendlela ezahlukenecho.

4.5. UKUREKHODA NOKUBIKA

Ukurekhoda yikambiso lapha utitjhere atlola phasi khona amazinga wokusebenza komfundu ekuhloeni umsebenzi othileko. Kutjengisa iragelo phambili lomfundu mayelana nokuzuza ilwazi njengombana kuquntwe ngakhona kumThethomgomu wesiTatimende seKharikhylamu kanye nokuHlola. Amarekhodi wokusebenza komfundu kufanele anikele ubufakazi beragelo phambili lemiqondo hlangana negreyidi nokulungela kwakhe ukuragela phambili nanyana ukudlulisewa kugreyidi elandelako. Ukurekhodwa kokusebenza komfundu kufanele kusetjenziswe ukuqinisekisa iragelo phambili elenziwa botitjhere nabafundi ekambisweni yokufunda kanye nokufundisa.

Ukubika yikambiso yokukhulumisana ngokusebenza komfundu kubafundi, kubabelethi, esikolweni kanye nabanye abahlanganyeli. Ukusebenza komfundu kungabikwa ngeendlela ezinengi. Lokhu kufaka hlangana amakarada wemibiko, imihlangano yababelethi, amalanga wokuvakatjhela iinkolo, amakhonferensi wabafundi nabotitjhere,

IIMBALO ZEGREYIDI R

imitato, iincwadi, iincwadi zetlasi nanyana zesikolo, njll. Abotitjhere kiwo woke amagreyidi babika ngamaphesende kuneemfundo. Amazinga ahlukenko wokuzuza kanye namazinga wamaphesende akhambisana nawo atjengisiwe kilethebula engenzasi.

AMAKHOWUDU NAMAPHESENDE WOKUREKHODA NOKUBIKA

IKHOWUDU YAMANANI	UKUHLATHULULWA KWEKGHONO	AMAPHESENDE
7	Uphumelele kuhle tle	80 – 100
6	Uphumelele ngendlela ethokozisako	70 – 79
5	Uphumelele ngamandla	60 – 69
4	Uphumelele ngokwaneleko	50 – 59
3	Uphumelele ngokulingeneko	40 – 49
2	Uphumelele ngendlela ephasi	30 – 39
1	Akakaphumeleli	0 - 29

4.6 OKUVAMILEKO

Umtlolo lo kufanele ufundwe ngokukhambisana nalokhu:

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 ISIBONELO SAMAHLELO WOKUHLOLA OKUHLEKILEKO SAMAGREYIDI R

Isibonelo samarhelo wokuhlola ukuhlola wamaGreyidi R anikelwe ngenzasi. Umnqopho kurhelebha abotitjhere ukuhlela nokwenza ukuhlola okuhlekileko ngendlela eragako.

IGREYIDI R				
Irhelo lokuhlola leThemu yoku -1				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
linomboro, ama-Opharetjhini nobudlelwano	Ukubala	Ukulinganisa nokubala ngehloko kufikela ku 5 (umvumo weenomboro nemidunduzelo kufakiwe ukuthuthukisa umqondonomboro)		
	Ukukhumbula iinomboro	Ukulemuka iinombore ngebujameni obujayelekile. Isib. umnyaka, irejista		
		Ukuzwisia iinomborosikhundla (isib. ngesikhathi sangamalanga sokuya endlwaneni)		
	Ukubona ngelihlo lenqondo iinomboro	Ukuzwisia kunye nakunye okukhambelanako (itjhadi labasizi ngesikhathi sokuphumula		
	Ukubona nokuhlathulula iinomboro ezizeleko	Ukufanisa iinomboro zeenthombe namakarada wamaqatjhazi afaka inomboro yokuthoma		
		Wazi amatshwayo wenomboro 1		
		Ulemuka ibizo lenomboro yinye		
	Ukurarulula imiraro	Uberegisa iinsetjenjiswa eziphathekako Uhlathulula ukucabanga kwakhe ngamagama nangokugwalanofana izinto eziphathekako		
Amaphetheni namafankjhini & Aljibra	Ukukopha, ukulula nokutlama amaphetheni wakho	Ufanisa amaphetheni ngebhoduluko		
		Ukukhopha, ukungezelela nokukwakha amaphetheni wakho		

IGREYIDI R				
Irhelelo lokuhlolola leThemu yoku -1				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
Isikhala nobujamo	Ukukhumbula, ukubona nokutjho izinto zobusobuntathu (3-D)	Ulemuka, afanise kune nokupha amabholo amabizo		
		Ulemuka, afanise kune nokupha amabhoksi amabizo		
	Ukulemuka, ukufanisa nokutjho ubujamo bobusobubili (2-D), iinthombe	Ulemuka, afanise abe atjho amatshwayo wakhe, amatshwayo wabakhozi begodu nebizo lekomba		
		Ukwakha iphazeli yeenquntu ezi 6		
		Ukutjengisa ikghono lokuhlukanisa hlangana nezinto ezingaphambili "ezinqotjhiweko" nalezo ezingemuva "ezingakanqotjhwu"		
	Ubujamo bejiyomethri	Ukufanisa alemuke indulungu		
		Ukufanisa alemuke uncantathu		
		Ukufanisa alemuke isikwre		
	Ukuhlathulula, ukuhlukanisa nokumadanisa izinto zo busobuntathu (3-D) ngokuya nge:	Ukumadanisa bona ngiziphi izinto ezimbili ezinikelweko eziikulu, ezincani, eziihulu khulu, ezincani khulu.		
		Ukuhlukanisa izinto ngo: Ubukhulu - okuhulu nokuncanil,		
		Umbala – imibala esiseko (bomvu,sarulani, lihlaza		
		Ubujamo – indulungu, uncantathu nesokwre		
		Into egedekako		
		Into etjhelelako		
	Ukubona umuda wesimethri ku	Ukulemuka umuda wesimethri kuwe		
	Ubudlelwano obuphathelene nesikhala: Ubujamo bezinto ezimbili nofana ezinengi ezinobudlelwane nomfundu	Ukwazi phambi kwe, emuva		
		Ukwazi phezu kwe, phezulkwa,ngaphasi kwa, ngaphasi		
		Ukwazi ngaphakathi, ngaphandle		
		Ukwazi phasi, phezulu		
	ikombatjhuba	Ukuzwisia imiqondo: kwaphambili, kwangemuva, ngaphambili, ngemuva		
Isilinganiso	Isikhathi	Ukusebenzisa amagama anjengelanga, ukulunga, ukukhanya nobumnyama, ekuseni, ntambama, ebusuku ukuhlathulula isikhathi semini		
		Ukulandelanisa izehlakalo ezenzeka njalo ngepilweni yakhe yangemihla (Irhelelo Langemihla)		
		Ukutjengisa nokulemuka amalanga weveke, iinkhathi zonyaka, nobujamo bezulu		
		Ukwazi ilanga lakho lamabeletho		
	Ubude			
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamelia idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamelia (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

IGREYIDI R

Irhelo lokuhlolola iThemba yesi-2

Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
linomboro, ama-Opharetjhini nobudlelwano	Ukubala	Ukulinganisa nokubala ngehloko kufikela ku 7 (umvumo weenomboro nemidunduzelo kufakiwe ukuthuthukisa umqondonomboro) Ukubalela emuva naphambili (1-4) Ukuzwisisa imiqondo “ okunengi nokuncani” (ukuwahlha)		
	Ukulemuka iinomboro	Ukulemuka iinombore ngebujameni obujayelekile – isib. umuzi inomboro, irejista yesiphande		
	Ukubona akuhlathulula iinomboro ezizeleko	Ukubona iinomboro zeenthombe namakarada wamaqatjhazi Ukwazi amatshwayo weenomboro 1, 2, 3, 4 Ukulemuka amabizo weenomboro kubili, kuthathu, nakune		
	Ukubona ngelihlo lenqondo iinomboro	Ukuzwisisa kunya nakunye okukhambelanako (itjhadi labasizi ngesikhathi sokuphumula) Ukuhlukanisa phakathi kokunengi, okuncani nokulinganako begodu nokumbadlwana ukufikela ko 4 Ukulemuka iinhlamvu zemali zeSewula Afrika		
	Ukurarulula imiraro	Uberegisa iinsetjenjiswa eziphathekako Uhlathulula ukucabanga kwakhe ngamagama nangokugwalanofana izinto eziphathekako Ukurarulula ngomlomo umraro wokuhlanganisa nokuhluhanisa ukufikela ko 4		
Amaphetheni namafankjhini & Aljibra	Ukukhopho, ukulula nokutlhama amaphetheni wakho	Ukukhopho, ukungezeleta nokukwakha amaphetheni wakho (izinto, ubujamo neenhlamvu zemali)		
Isikhala nobujamo	Ukulemuka, ukufanisa nokutjho ubujamo babobusobubili (2-D), iinthombe	Ukwakha iphezele yeenquntu ezingaba 2 Ukubonisa ikghono lokuhluhanisa phakathi kwezinto “ezingaphambili nezingemuva” (buyelela uhlole)		
	Ubujamo begeometry	Ukulemuka, ukufanisa nokutjho uncantathu Ukuzwisisa iindlela ezingatjhugulukiko zikancantathu ukubumbeka okutjhejiweko)		
		Ukuhlathulula, ukuhluhanisa nokumananisa izinto babobusontathu (3-D) ngokuya nge:	Ukumananisa bona ngiziphi izinto ezimbili ezinikelweko eziikulu, ezikudlwana, ezincani/ezincani khulu. Ukuhlukanisa izinti nge Ubukhulu – okukhulu nokuncani Imiibala - (bomvu, sarulani, lihlaza sasibbhakabhaka nokuhlaza satjani) Ubujamo	
		Ukwakha izinto ze 3D usebenzisa iinsetjenjiswa eziphathekako	Ukuhlola ngamabhlogo wokwakha	
		Ukubona umuda wesimethri e:	Ukubona umuda wesimethri kimi nasebholukweni lakho Ukukghona ukweqa umuda ophakhathi ukuya kwelinye ihlangothi	
	Ubudlelwano obuphathelene nesikhala:	Ukuzwisisa ubujamo bezinto ezimbilinofana ezinengi ezinobudlelwane nomfund - phezu, ngaphasi		

IGREYIDI R

Irheло lokuhlolа iThemу yesi-2

Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
Ukumeda	Isikhathi	Ukutjengisa nokulemuka amalanga weveke, iinkhathi zonyaka, netjhadi lobujamo bezulu (imivumo nemidunduzelo – hlola godu)		
		Ukwazi ilanga lakhe lamabeletho (hlola godu)		
	Ubude			
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamelia idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamelia (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

IGREYIDI R

Irheло lokuhlolа iThemу yesi-3

Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
linomboro, ama-Opharetjhini nobudlelwana	Ukubala	Ukulalingisa nokubala ngehloko kufikela ku 7 (umvumo weenomboro nemidunduzelo kufakiwe ukuthuthukisa umqondonomboro)		
		Ukubalela emuva naphambili (1-7)		
		Ukuzwisisa bona ngiwaphi amawahlo amanengi/amancani		
	Ukulemuka iinomboro	Ukulemuka iinombore ngebjameni obujayelekile -isib. ubudala, irejista (hlola godu)		
		Ukufanisa iinomboro zeenthombe namakarada wamaqatjhazi ukufikela ku 7		
		Ukwazi iphawu leenomboro 5, 6, 7		
	Ukubona ngelihlo lenqondo iinomboro	Ukuhlukanisa phakathi kobunengi, ubuncani, okulininganako nokumbadlwana ukufika ku 7		
		Ukulemuka umbala begodu neembandana ezihlukeneko emalini yephepha yangeSewula Afrika		
		Ukurarulula imiraro		
	Ukukhopho, ukulula nokutlhama amaphetheni wakho	Uberegisa iinsetjenjiswa eziphathetkako Uhlathulula ukucabanga kwakhe ngamagama nangokugwala nofana izinto eziphathetkako		
		Ukukopulula ngomlomo umraro wokuhlanganisa nokuhukanisa ukufikela ko 7		
Amaphetheni namafanktjhini & Aljibra		Ukukopulula, ukungezelela nokukwakha amaphetheni wakho		

IGREYIDI R				
Irhele lokuhlolola iThemba yesi-3				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
Isikhala nobujamo	Ukulemuka, ukufanisa nokutjho ubujamo obubusobibili (2-D), iinthombe	Ukwazi ukwakha iphezele yeenquntu ezingaba li 12		
	Ubujamo begeometry	Ukulemuka, ukufanisa nokutjho isikwere		
		Ukuzwisia iindlela ezingatjhugulukiko zobujamo obufundiweko ukufika nje (Ibumbeko elithogonyelwako)		
	Ukwakha izinto ze 3D usebenzisa iinsetjenziswa eziphathetekako	Ukwakha ususela esibonelweni somakhiwo onikelwe sona		
		Ukukopulula umakhiwo awususela emtlameninofana ekaradeni lesithombe		
	Ubudlelwano obuphathelene nesikhala	Ukuzwazi ubujamo bezinto ezimbilinofana ezinengi ezinobudlelwane zona zodwa -Phambi kwe, ngemuva, phezu kwe, ngaphezu, ngaphasi, phasi, okungaphasi, eqadi kwe, phakathi, esinceleni nangesidleni		
		Ukwenza iinyeleliso epegbodini		
	Ikombatjhuba	Ukwazi indlela ngetjhadini lesungulo		
Ukumeda	Ubude	Ukulinganisa ubude bezinto ezihlukeneko		
	Ubungako	Ukuzwisia imiqondo "ukukhanya, ubudisi, ubulula, okulula khulu, okubudisi khulu"		
	Umthamo	Ukuzwisia imiqondo " akunalitho, ukuzala, ukudlula, ngaphasi kwa "		
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamela idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamela (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

IGREYIDI R				
Irhele lokuhlola iThemu 4				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	✓ or x	Imibono
linomboro, ama-Opharejhini nobudlelwana	Ukubala	Ukulinganisa nokubala ngehloko kufikela e 10 (umvumo weenomboro nemidunduzelo kufakiwe ukuthuthukisa umqondonomboro)		
		Ukubalela emuva naphambili (0-10)		
		Ukubala ngakubili (umvumo weenomboro nemidunduzelo)		
		Ukuzwisisa imiqondo " yokunengi nokuncani" (ukuwahla)		
		Ukuzwisisa bona ngiwaphi amawahlo amanengi/amancani		
	Ukulemuka iinomboro	Ukulemuka iinombore ngebjajameni obujayelekile -isib. ubudala, irejista		
		Ukubona akuhlathulula iinomboro ezizeleko	Ukubona iinomboro zeenthombe namakarada wamaqatjhazi 0-10	
		Ukwazi iphawu leenomboro 8, 9, 10 ne 0 begodu		
		Ukulemuka amabizo weenomboro bunane, lithoba. Itjhumi nelize		
	Ukubona ngelihlo lenqondo iinomboro	Ukuqedeleta ukulandelana kweenomboro ezilula ukusukela ku 1-10		
		Ukuhlukanisa phakathi kobunengi, ubuncani, okulinganako okukhnengi khulu nokuncani khulu ukufikela enomborweni ye 10		
		Ukuzwisisa iinomborosikhundla iinomboro – yokuthoma, yesibili, yesithathu, yesine, yesihlanu neyesithandathu		
	Ukurarulula imiraro	Uberegisa iinsetjenjiswa eziphathekako Uhlathulula ukucabanga kwakhe ngamagama nangokugwalanofana izinto eziphathekako		
		Ukurarulula ngomlomo umraro wokuhlanganisa nokuhlukanisa ukufikela e- 10		
Amaphetheni namafanktjhini & Aljibra	Ukukhopho, ukulula nokutlhama amaphetheni wakho	Ukukhopho, ukungezelela nokukwakha amaphetheni wakho alelwako		
		Ukuzwisisa umdlalo "hop-skotjhi"		
Isikhala nobujamo	Ukulemuka, ukufanisa nokutjho ubujamo Obubusobubili (2-D)	Ukwazi ukwakha iphezele yeenquntu ezingaba ma 24		
	Ubujamo bejiyomethri	Ukulemuka, nokufanisa isikwere, uncantathu, isikwere noncamane		
	Ukulemuka umuda wesimethri e:	Ukulemuka umuda wesimethri ezintweni		
	Ubudlelwano obuphathelene nesikhala	Ukwazi imiqondo eqadi kwe, hlangana naphakathi, esinceleni nangesidleni		
		Ukughona ukwenza umsebenzi othuthukileko we peji-bhodi		
	Ikombatjhuba	Ukuzwisisa imiqondo: phambili nangemuva, phasi naphezulu, ngaphezulu nangaphasi, ngesinceleli nangesidleni		
Ukumeda	Ubude	Ukuzwisisa bona izinto nazo ziyalanganiswa kuberegiswa isilinganisi		
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamela idatha	Ukughona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamela (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

