

National Curriculum Statement (NCS)

*Curriculum and Assessment
Policy Statement*



*Foundation Phase
Grade R*



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

ISITATIMENDE SOMGOMO WEKHARIKHYULAMU NOKUHLOLA

GREYIDI R

IIMBALO

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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, which appears to read 'Angie Motshekga'.

MRS ANGIE MOTSHEKGA, 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 kaTjhirhweni ngomnyaka we-2012. Enziwa umtlo owodwa opholeleko womThetho-kambiso weKharikhyulamu nokuHlola esifundweni ngasinye ukujamiselela iinTatimende zeemFundo, imiHlahlandlela yamaHlelo wokuFunda begodu nemiHlahlandlela yokuHlola iimFundo emaGreyidi ni R-12 .

1.2 UMBONO-MAZOMBE

- (a) *IsiTatimende seKharikhyulamu yeliZweloke seGreyidi R-12* (Sango Tjhirhweni we-2012) sijamele Isitatimende somThetho-kambiso wesitatimende sokufunda nokufundisa eenkolweni zeSewula Afrika begodu simumethe okulandelako:
- (i) IinTatimende zomThetho-kambiso weKharikhyulamu nokuHlola zaleso naleso sifundo sesikolo esiphasisweko
 - (ii) Umtlo 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, *iNational Protocol for Assessment Grades R-12 (Tjhirhweni 2012)*
- (b) *IsiTatimende seKharikhyulamu yeliZweloke samaGreyidi R-12* (kaTjhirhweni 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) Iintatimende zekharikhyulamu yelizweloke eziseengatjaneni b(i) no (ii) ngehla, zimumethe imitlolo yemithetho-kambiso elandelako esuswe beyajanyiselelwa *siTatimende seKharikhyulamu yeliZweloke samaGreyidi 10-12 (Tjhirhweni 2012)* ngesikhathi seminyaka we-2012-2014.
- (i) IinTatimende zeemFundo, imiHlahlandlela yamaHlelo wokuFundo begodu nemihlahlandlela yokuHlola iimFundo emaGreyidi ni R-9 nemaGreyidi ni 10-12 ;
 - (ii) Umtlo womthetho-kambiso, *iNational 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) Umtlo womthetho-kambiso, *iNational Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF), egadangiswe kuGovernment Gazette No.27819 yamhlana amalanga ama- 20 kuVelabahlinze 2005;*

- (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 emtlotweni 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 Isitatimende seKharikhyulamu yeLizwe loke amaGreyidi R-12 , begodu neengaba zesiTatimende somThetho-kambiso weKharikhyulamu nokuHlola njengombana zifakwe ezahlukeni 2, 3 begodu 4 zomtlolo lo eziphathelene nemikhwa namazinga weNational Curriculum Statement Grades R-12 . Ngakhoke, ngokuya ngokwesection 6A ye South African Schools Act, 1996 (Act No. 84 of 1996,) yakha isendlelelo sokobana uNgqongqotjhe weFundo esiSekelo abonelele isiliganiso samazinga nemiphumela kanye nekambiso yokuhlola umsebenzi womntwana bona ibe khona eenkolweni zomphakathi nezizijameleko.*

1.3 IMINQOPHO EVAMILEKO YEKHARIKHYULAMU YESEWULA AFRIKA

- (a) *IsiTatimende seKharikhyulamu yeliZwelo ke samaGreyidi R-12 sethula lokho okungathathwa njengelwazi, amakghono namagugu okumele kufundwe eenkolweni zeSewula Afrika. Ikharikhyulamu le inqophe ukuqinisekisa bonyana abantwana bazuza bebasebenzise ilwazi namakghono ngeendlela ezizwisekako emaphilweni wabo. Ngalokho, ikharikhyulamu ithuthukisa umqondo wokubuthelela ilwazi ebujameni bendawo leyo, ngesikhathi atjheja ukukateleleka eembopweni zephasi.*
- (b) *IsiTatimende seKharikhyulamu yeliZwelo ke 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 wezefundo baye emisebenzini; begodu
 - kunikela abaqatjhi ngephrofayili eyaneleko yamakghono womfundi.
- (c) *IsiTatimende seKharikhyulamu yeliZwelo ke samaGreyidi R-12 sisekelwe eenkambisweni ezilandelako:*
 - Ukutjhuguluka kwezokuhlalisana : ukuqinisekisa bonyana ukungalingani ke zefundo kwesikhathi esidlulileko kwalungiswa nokuthi amathuba alinganako wezefundo 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 iimfuno.
 - Ukuragela phambili : okumumethweko nobujamo baleyo naleyo greyidi kutjengisa ukuragela phambili ukusukela kokulula ukuya kokubudisi.

- (d) Amalungelo wobuntu, ukufaka koke, ubulungiswa bezebhoduluko nokuhlalisana :ukufaka imigomo yobulungiswa kezokuhlalisana, kezebhoduluko begodu namalungelo wabantu njengombana kuhlathululiwe kumThetho-sisekelo weSewula Afrika. IsiTatimende seKharikhyulamu yeliZwelo amaGreyidi 10-12 itjhetjha khulu izinto ezifana nokuthaga, 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 yeliZwelo amaGreyidi R-12 sinqophe ukukhiqiza abafundi abakwazi uku:
- bona nokurarulula imiraro nokuthatha iinqunto kusetjenziswa ukucabanga ngelihlo elibukhali nelokuzitlamela ;
 - sebenzisana ngepumelelo nabanye njengamalunga wesiqhema ;
 - hlela nokuziphatha begodu nokuphatha imisebenzi yabo ngokuziphendulela nangepumelelo ;
 - buthelela, ukutsenga, ukuhlela bese bahlaziya ilwazi ngelihlo lokuhlaba ;
 - khulumisana ngepumelelo basebenzisa amakghono wokubonwako/ wokubukelwako, wamatshwayo begodu /nanyana welimi ngeendlela ezinengi sebenzisa isayensi nethekhnoloji ngepumelelo batjengise, ngelihlo lokuhlaba, nokuziphendulela manqophana nebhodulukweni neempilo zabanye; noku
 - Tjengisa ukuzwisisa iphasi bonyana linamahlelo anetjhebiswano ngokuyelela bonyana ukurarulula imiraro akwenzeki kukodwa ngeqadi.
- (f) Ukuhlanganisa imihlobo ehluhlukeneko yabafundi kufanele kube mgogodlha womkhandlu, wokuhlela begodu nokufundisa kilesi naleso sikolo. Lokhu kungenzeka kwaphela nange boke abotitjhere banokuzwisisa okuhluzekileko bokobana iinqabo zokufunda zingalemukwa bezilungiswe bunjani, begodu ukuhlanganisa kungahlelelwa bunjani

Okuqakathekileko ngokuhlanganisa imihlobo ehluhlukeneko yabafundi kuqinisekisa bonyana iinqabo ziyabonwa bezitjhejwa ngiyo yoke imikhandlu efaneleko ehlangana nomphakathi wesikolo, okufaka hlangana abotitjhere, iinqhema eziSekelako eziNzinze kumaDistric, iinqhema eziSekelako eziseZingeni leenHlangano, ababelethi neenKolo eziKhethekileko njengeendawo zemiThombo. Ukulungisa iinqabo ngetlasini, abotitjhere bafanele basebenzise amaqhinga 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)
• Isifundo sokuziThabulula	(2)	(2)	(2)
• UbuYena nokuHlalisana 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 alitjumi 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 ubunengi 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 kutjengisiwe 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 yokuHlalisana	3
AmaKghono wePilo	4
• UbuKghwari bokuTlama	(1,5)
• Isifundo sokuziThabulula	(1)
• UbuYena nokuHlalisana 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 yokuHlalisana	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. Amathebula B1-B8 yomtlo womthetho-kambiso, iNational policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R-12 , enqotjhiswe esigabeni 28 somtlo womthetho- kambiso onikelweko..	12 (3x4ama-iri)
INANI	27,5

Isikhathi esabiweko ngeveke singasetjenziselwa kwaphela ubuncani obufunwa ziimfundo zesiTatimende seKharikhyulamu yeliZwelope 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 isitatimende somgomo wekharikhyulamu yezwelo yokuhlola iimbalo inikela abotitjhere ihlathululo yeembalo imigomo ethile, amakghono athile, iminqopho yokumumethweko, isisindo sokumumethweko, iinsetjenziswa ezitjhukumeziweko zesifundo seembalo eemfundweni zesiGaba esisiSekelo, imihlahlandlela ezitjhukumeziweko yokusekela abafundi abaneenqabo zokufunda iimbalo, iimbalo zehloko nokuthuthukisa ukufundisa amakghono wolwazi lokubala lwangaphambili ngeGreyidini R.

2.2 ZIYINI IIMBALO?

Iimbalo lilimi elisebenzisa amasimboli/ amatshwayo/amaphawu nenotheyitjhini ukuhlathulula ubudlelwano beenomboro, kweJiyomethri neenjamelozegrafu. Kumisebenzi womuntu okufaka hlangana ukuqala, ukujamisela nokuphenya amaphetheni nobudlelwano obuqakathekileko ezintweni ezithintekako/ ezibonakala ngamehlo nesenzeko esiphathelene nokuhlalisana naphakathi kwamabumbeko weembalo ngokwazo. Kuyarhelebha 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 nezokuhlalisana, ibhoduluko, itjhebiswano lamasiko nokomnotho;
- Ukuzithemba nekghono lokuqalana namtjhana ngibuphi ubujamo beembalo ngaphandle kokuliywa kukwesaba iimbalo;
- Umoya werhuluphelo nethando leembalo;
- Ukuthokozela ubuhle nokukarisa kweembalo;
- Ukubona bonyana iimbalo ziyingcenyeyemisetjenzana umuntu azitlamela yona;
- Umcabango ojulileko wokuzwisisa ukwenza umqondo weembalo ; no
- Ukuthola ilwazi elithile namakghono athlogekako woku:
 - Ukusebenzisa iimbalo eentweni ezithintekako, zokuhlalisana 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 ESISISEKELO

ILWAZI LOKUMUMETHWEKO LEEMBALO		
Isigaba sokumumethweko	Isigaba esivamileko sokumumethweko	Iminqopho Enqophileko yesigaba Esimumumethweko Esigabeni Esisisekelo
Iinomboro, 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 ezihlukahlukene; • 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 womfundi uthuthukiswa ngokusebenzisa izinto eziphathekako ngokubala izinto ezibutheleleko, ukuhlukanisa nokubuthelela ubungako, ngokubala ngokweqa ngeendlela ezihlukahlukene, 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 kurhelelwa abafundi ukufunda nngemikghwa/ ngemikhuba yeenomboro nokuthuthukisa iindlela ezingenza ukubala kubelula. • Ukurarulula imiraro ngobujamo /ngobunjalo kungenza abafundi bakghone ukuveza imicabango ekungeyabo ngokukhuluma nangokutlola ngemigwalo namngamatshwayo. • Abafundi bakha ukuzwisisa umgomosiseko wokuhlukanisa, ukukhupha, ukubuyabuyelela nokuhlukanisa. • Abafundi bathuthukisa umqondo wefraktjhini ngokurarulula imiraro efakahlanguka ukwabelanakobungako kwezinto eziphathekako ngokusebenzisa imigwalo. Imiraro kufanele ifake hlangana iinsombululo ezineensalelo zeenomboro ezipheleleko nofana amafraktjhini. Ukwabelana akukafaneli kuthole ingcenywe yokipheleleko kwaphela, kodwana nokufunyanisa iingcenywe zokubuthelelwa kwezinto. Esigabeni lesi abafundi basengakabi nobukghoni bokufunda nofana ukutlola amatshwayo wamafraktjhini.

ILWAZI LOKUMUMETHWEKO LEEMBALO		
Isigaba sokumumethweko	Isigaba esivamileko sokumumethweko	Iminqopho Enqophileko yesigaba Esimumethweko Esigabeni Esisisekelo
AmaPhetheni, amaFanktjhini ne-Aljibhra	<p>I-Aljibra lilimi lokurhubhulula nokukhulumisana ngokunengi kweembalo begodu kunganabiselwa eenfundweni zemisebenzi nobunye ubudlelwana obuphakathi kwezinto ezitjhugulukako. Ingcenywe ephakathi yesigaba sokumumethweko kungobana umfundi aphumelele amakghono nokweza ngokusebenzisa i-Aljibra. Begodu kunqophe eku:</p> <ul style="list-style-type: none"> • Ekuhlathuleni amaphetheni nobudlelwana ngokusebenzisa amatshwayo wokuphandhusela, amagrafu namathebula; noku • Nokubona ukuhlaziya kokuvamileko nokutjhugulukako emaphethenini, nobudlelwano ukwenza bonyana umfundi enze ibonelophambili 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 eziphathekako, imigwalo namatshwayo webumbeko ukukopa, ukwandisa, ukuhlathulula nokuthama amaphetheni.</p> <p>Ukukopa amaphetheni kusiza abafundi bonyana babone ilojigi yokubana iphetheni yenziwe bunjani.</p> <p>Ukungezelela iphetheni kusiza umfundi ukuhlola bonyana bayizwisile ilojigi yephetheni.</p> <p>Ukuhlathulula iphetheni kusiza abafundi ukuthuthukisa amakghono welimi.</p> <p>Ukunqophisa ephethinini yelojigi kwendlalela isiwkelo sokuthuthukisa amakghono wokucabanga we-Aljibhra.</p> <p>Amaphetheni wenomboro asekelo 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 ukwizisisa nokuthanda/ ukuthokozela kwamaphetheni, ngokunembako, ngokuphumelelako nangobuhle bebumbeko ngokwemvelo nangendlela yokuphila/yesiko. Inqophe</p> <ul style="list-style-type: none"> • matshwayo (ubunjalo) ubudlelwano • ibandulo nelwazi, indawo/ ubujamo noku • tjhugulula ubujamo obubusobubili nezinto ezinobujamo ezibobusontathu. 	<p>Esigabeni lesi abafundi banqophe ezintweni ezinejamo ezibusontathu (3-D), nobujamo obubusobubili (2-D), indawo nelayelo.</p> <ul style="list-style-type: none"> • Abafundi bahlola izinto zobujamo ezibusontathu (3-D) nobujamo obubusobubili (2-D) ngokuhlukanisa, ngemihlobo, ngokuhlukanisa ngeengaba, ukuhlathulula nokuzitjho. • Abafundi bagwala ubujamo/amajamo bebakhe ngezinto. • Abafundi babona bebahlathulule amajamo/ubujamo bezinto ezisemphakathini bazifanise nezinto nobujamo beembalo. • Abafundi bahlathulula ubujamo bezinto, bonangokwabo nabanye ngokusebenzisa ilwazimagama elifaneleko. • Abafundi balandela bebanikele nelayelo.
Ukumeda	<p>Isilinganiso sinqophe ekukhethweni nekusetjenziswa kwamayunithi afaneleko, iinlinganisi/iimedo, amafomula ngokwesilinganiso kwezakhi zezehlakalo, ubujamo, izintonebhoduluko. Ihlobanisa ngokunqophileko ngokwesayensi nangobuthegnigi, nangomnotho wephasi ukuvumela umfundi:</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 uthuthukiswa ngokusebenza ngokwenza ngezinto eziphathekako ezihlukeneko namajamo, ukufunda ngamatshwayo/ngobunjalo bobude, umthamo, ubudisi, indawo nesikhathi. • Abafundi balinganisa amatshwayo wobujamo nezinto ngokusebenzisa ama unithi angakalungiselelwa lapho kufaneleko, okufana nezandla, amagadango isimumathi njll. • Abafundi bamadanisa ubungako obuhluhlukeneko ngokusebenzisa amagama amadanisako afana nokuthi, omude/omfitjhani, ebudisi khulu/elula njll. • Abafundi baziswa emayunithi avamileko afana namagreму, khilogreму, mililitha, amalitha, amasentimitha, amamitha njll. <p>Imisebenzi ehlobana nesikhathi kufanele yakhiwe ngelemuko lokobana ukuzwisisa kwabafundi ngokudlula kwesikhathi kufanele kuthuthukiswe ngaphambi kokufundiswa kwesikhathi.</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 • Ukugquguzela/ ukuhlanganisa ngeqhinga • Ukubonisa/ukubukisa noku • Ukuhlaziya nokurhumutjha idatha enikelweko. 	<p>Umnqopho wokufundisa nokufunda ngokuphathwa kwemininingwana efundweni esisekelo esekuhlukanisa ngeengaba izinto nemininingwana ngeendlela ezihlukahlukene, kususelwa ebujameni obuhlukahlukene bezinto nofana imininingwana/idatha.</p> <ul style="list-style-type: none"> • Abafundi balindeleke bonyana barhumutjhe bebakhe isithombengwalo negrafu yebha ekhambisana nokuhambelana ngakhunye ngakunye ngemininingwana enikelweko.

2.6 UKWABIWA KWESIKHATHI SOKUMUMETHWEKO NGOKWEENGABA

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

Ithebula 2.2 Ukwabiwa kwesikhathi kweengaba zokumumethweko esiGabeni esisisSekelo

Ukwabiwa kwesikhathi kweengaba zokumumethweko			
Iingaba zokumumethweko:	iGreyidi 1	iGreyidi 2	iGreyidi 3
Iinomboro, 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, kuqathekile bona isigaba seenomboro, ama-Opharetjhini nobudlelwano kumnqopho oqathekileko weeMbalo. Abafundi badinga ukuphuma Efundweni Esisekelo banesiqiniseko seenomboro ngokuzizwa nokusetjenziswa butjhelela. Ihloso kukobana abafundi bakghone bebazethembe ngeenomboro nokubalisisa. Ngalesi isizathu isikhathi senotjhinali esabelwe Iinomboro, ama-Opharetjhini nobudlelwano singezelele. Umsebenzi omnengi wephetheni kufanele unqophe kuphetheni yeenomboro, ukuhlanganisa ikghono leenomboro ebafundini ukuya phambili.

2.7 IIMBALO ESIGABENI ESISISEKELO

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 epepeneneni 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 kwenziwe:

- **Umsebenzi wetlasi loke**
 - Iimbalo zehloko
 - Ukuhlunganisa imiqondo
 - Ukuphathwa kwetlasi (ukwabiwa kwemisetjenzana ngokuzijamela njll)
- **Ukufundisa ngesiqhema esincani**
 - Ukubala
 - Ukuthuthukisa umqondo wenomboro (ngokukhuluma nangemisetjenzana yokwenza)
 - Ukusombulula imiraro (ngokukhuluma nangemisetjenzana yokwenza)
 - Ukurhekhoda okutoliweko
 - Ukuthuthukisa iindlela zokubalisisa (ngokukhuluma nangemisetjenzana yokwenza)
 - Amaphetheni
 - Isikhala nobujamo
 - Ukumeda
 - Ukuphatha idatha
- **Umsebenzi wokuzijamela**

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

Imisetjenzana yetlasi loke: Umnqopho uzokuba kakhulukazi eemalweni zehloko, ukuhlunganisa 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. Iimbalo zehloko zifakahlangana iimbalo zehloko ezisungulako ezifana “nenomboro ezangemuva nangaphambili ko-8, okunengi/nokuncani kuno-8 nga-2 yi: 4+2; 5+2; 6+2” njll. Ngaso leso sikhathi utitjhere angahlunganisa imiqondo engaba budisana. Begodu kuqakathekile bona itlasi inikelwe imisetjenzana evamileko begodu nemisetjenzana yokuzijamela abazenzela yona ngokwabo, ngalesosikhathi utitjhere uraga ngesigaba sesiqhema esincani.

Iimfundo eziqaliswe esiqhemeni esincani: Ngeziphumelelisako nange utitjhere athatha isiqhema sabantwana esincani (8 ukuya 12) abasezingeni elilinganakobabe naye emadeni nofana ematafuleni wabo, ngasikhathi leso itlasi loke libandakanywe emisetjenzaneni yokuzijamela. Utitjhere usebenza nabantwana **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 otoliweko (incwadi yokusebenzela, isibonelo iphepha lokusebenzela, amakarada wokusebenzela njll) kufuneka kube yingcenywe yomsebenzi 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 ukumedanisa izinga lobudisi lomsebenzi wabafundi nangabe utitjhere usebenza ngezinga elipheze lalingana, Okungenani iinqhema ezisemazingeni ahlangeneko zingasebenza ngcono nekwakhiwako, kumeda kwenziwa amaphetheni nofana imisetjenzana yokuhlukanisa ngeengaba, nofana kwemidlalo.

Imisetjenzana yokuzijamela: Ngesikhathi utitjhere asebenza ngemfundo ezinqophiswe esiqhemeni esincani, abafundi boke ngetlasini kufanele babandakanywe ngehloso yemisetjenzana ehluahlukeneke yeembalo enqotjhiswe ekuqiniseni nekuhlanganiseni iminqopho namakghono asele afundisiweko ngesikhathi esinqotjhiswe esiqhemeni esincani. Imisetjenzana yokuzijamela kufanele ihlukaniswe ukwenzelela bonyana inakekele iinqhema ezinamakhono ahlukeneko. Imisetjenzana yokuzijamela ifanele ifake hlangana:

- Imisetjenzana yencwadi yokusebenzela
- Amaphepha 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 abaneengabo zokufunda, imisetjenzana engezelelako yabakghonako, imisetjenzana yokuhlola njll.

Imisetjenzana yokuzijamela neyesiqhema esincani kufanele iqalwe (ngokwenza, nangokukhuluma) itshwaywe bese iyaqalasiswa (ukurhekhoda okutloliweko) ngutitjhere njengengcenywe yokuhlola okulungiselelweko nengakalungiselelwa.

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

2.7.2 Abafundi abaneengabo ekufundeni iimbalo

Kuqakathekile bonyana abafundi abahlangabezana neengabo zokufunda iimbalo bonyana kuvezwe epepeneni ekufundeni okusekelwe ngemisetjenzana yokufunda. Ukwenza kweemboniso kusetjhenziswa izinto ezibonakalako ngokuhlanganyela nemisetjenzana yokwenziwa kufanele isetjhenziswe ithutjana elide kunalabo abafundi abakghonako ngombana ukutjhugulukela emisebenzini engabonakaliko ngokurhabako kungabanga ukutjhuragana nokusalela. Abafundi labo bangadinga nofana banikelwe isikhathi esinengi soku:

- Qedelela imisebenzi yokuhlola namathaski
- Ukuthola amakhono wokucabanga (amaqhinga okungewabo)

Inani lemisetjenzana okufanele iqedelelwe kufanele yehliswe ngaphandle kokuzwana ngokulisa okhunye iminqopho namakghono lawo anqotjhiweko.

2.7.3 Iimbalo zehloko

Iimbalo zehloko zidlala indima eqakathekileko kukharikhulamu. Amabhondi weenomboro nethebula yokkubuyelela okulindeleke bona abafundi bawazi nofana bawakhumbule ngokurhabako kelinye nelinye igreyidi arhemisiwe. Ngokungezelelweko, iimbalo zehloko zisetjhenziswa ngokubanzi ngokuhlola iinomboro eziphakamileko ezihlangana 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... ungezelele nga 90 ... yehlika nga 5 ” njll. Imisetjenzana leyo irhelebha abafundi ukwakha inambalayini yembalo zehloko.

Iimbalo 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- iintlabagelo zokutlola nofana izinto zokubala kufanele zihlale njalo zikhona ukwenzelela abafundi abasazithlogako

2.8 IGREYIDI R

Indlela yokufunda i-IiMbalo kufanele isekelwe emithethweni yokuhlanganisa ngokuzeleko nokufunda okusekelwe ekudlaleni. Utitjhere kufanele asebenzele phambili, abemlamuli kunokuba mkghonakalisi. Umlamuli wenza amathuba amanengi wokufunda anganakuqakatheka avela ngokuzenzakalelako ngezikhathi semisetjenzana edzimelele emntwaneni efana nokudlala ngokutjhaphuluka ekhoneni lomkhumbulo olibhudango nofana endaweni lapha kwakhiwa khona ngamabhlogo, emisetjenzaneni yokudlala ngehlabathi namanzi okufaka imisetjenzana ekhokholwa ngutitjhere, enqophiswe emqondweni wokubala, ukuthuthukiswa komqondomboro, isikhala nobujamo, amaphetheni, isikhathi neminye imisetjenzana yokuthoma i-IiMbalo. Umbala ngokwawo awusiwo umqondo we-IiMbalo, kodwana ungasetjenziselwa ukuthuthukisa umqondo we-IiMbalo 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 nokuthuthukiswa kokusebenzisa umkhumbulo

(ukurarulula-umraro, ukucabanga nokucabangisisa okuhlelekileko), ukuthuthukisa kwelimi (ilimi le-IiMbalo) nokubona kwanga uyezwa begodu nangokwemizwa nangokuhlalisana. Woke amahlangothi lawa angathuthukiswa ngeendatjana, iingoma, imidunduzelo, imidlalo yemino neyamanzi, amathoyisi wokufunda afakahlangana umdlalo webhodi, imisetjenzana yokwakha nokuhlola (ubudisi, isikhathi, ubungako, ukumeda njll). Ukudlala ngokuzakhela engqondweni, ukudlala ngaphandle nemidlalo yekundleni yezemidlalo. Imidlalo eminengi ingafakahlangana ihlangothi lenumeresi, isibonelo ukulinganisa ngesikhathi sokupheka nofana ukubala nakuthengwako.

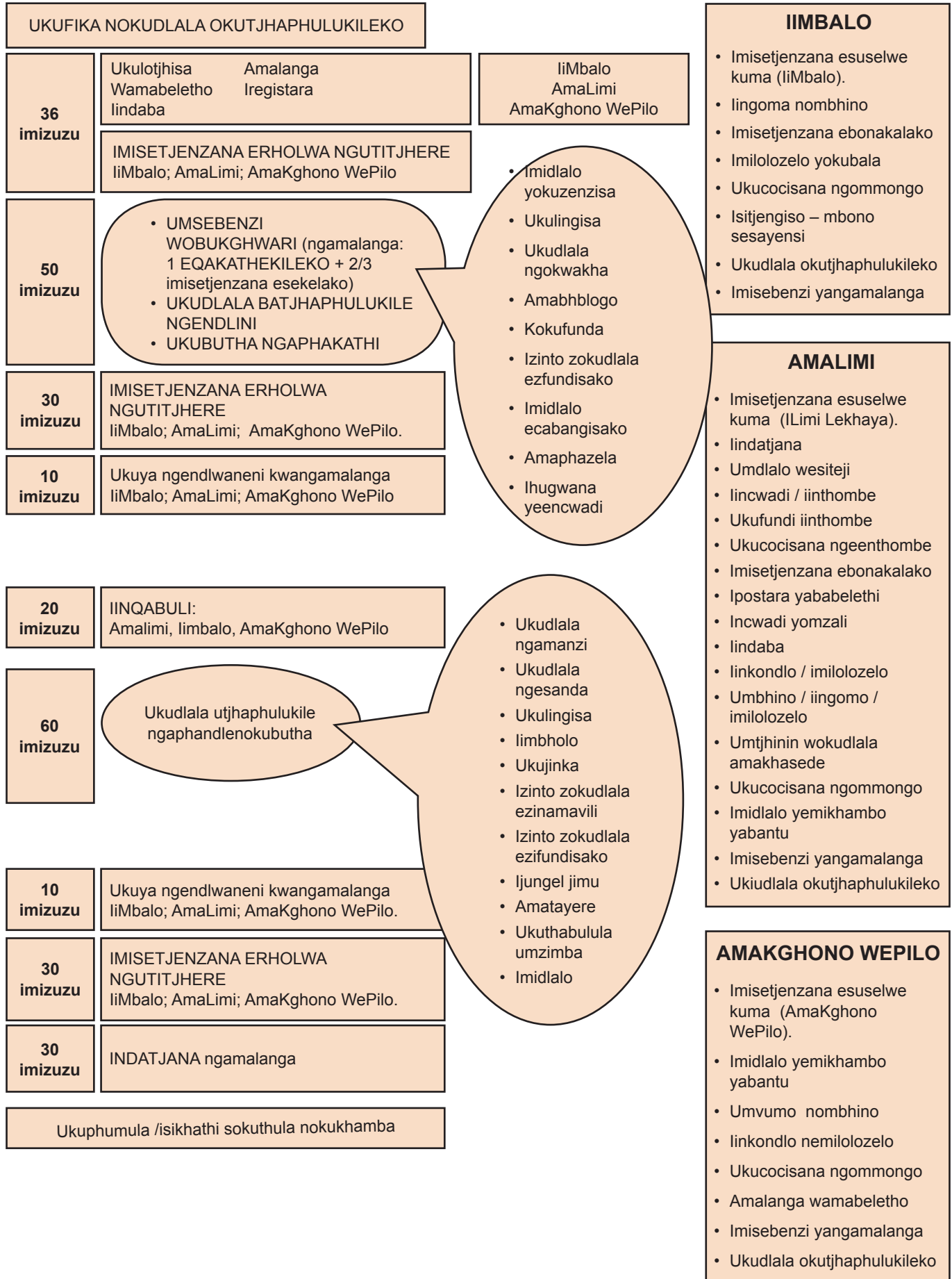
Ngamanye amagama ukukghona ukuthoma ukubala nakuhlobana kwemiqondomagama weembalo kufanele njengokufundisa okuhle kulandele imithetho yokufunda elandelako lapha abantwana badlula eengabeni eentathu zokufunda:

- Isigaba sekhinestethiki (ilemuko lemiqondo ngemizimba nangemizwa);
- Isigaba sokuphathekako (3-D), kusetjenziswe izinto ezihlukahlukene ezifana namabhlogo, iimvalo zamabhodlela, iingoqwana nezinyo izinto ezisemphakathini);
- Iphepha nepensela (iinjamiseleli ezisaphathekako kusetjenziswa imigwalo, amakarada amadanisako njll)

EGreyidini R ithebula lesikhathi libizwa **ihlelo langamalanga** (*qala* Umfanekiso woku-1) begodu ihlukaniswe ngeengaba ezintathu eziqakathekileko zibizwa:

- Imisetjenzana ekhokhelwa ngutitjhere
- Imisetjenzana yangamalanga/evamileko
- Imisetjenzana esungulwa bantwana nofana ukudlala ngokutjhaphuluka.

**Umfanekiso woku-1: Ihlelo langamalanga le Greyidi R
(Kusuka ± 7:30 – 13:00)**



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. Iindulungu zinganikelwa umnqopho wokubala. Ekuseni ngesikhathi sokulotjhisana nalapha nakuqalwa abantwana abakhona nabangekho ingathathwa njengethuba lokudlala ngeenomboro isibonelo, ukubala. Ezinye iindulungu ezifana nendulungu ye-IIMbalo, indulungu yokuzwa inga uyabona, yokusikinyeka, yomvumo neyesayensi zinganikela umnqopho we-IIMbalo.

Imisetjenzana yobuciko bokuzithlamela ingagandelela i-IIMbalo isibonelo, ukusebenzisa amabumbeko weJiyomethri ezifana nendulungu nesikwere ukwenza ikholaji nofana ukutlama ifreyimu yesithombe. Itjhadu lobujamo bezulu, ikhalenda nendulungu yelanga lamabeletho zinikela ithuba lokuhlola umnqopho wokubala. Kulilwazi nokusungula kwakatitjhere okungandise ikghono lokufunda.

- *Umsebenzi wangamalanga* lapha abantwana bazibandakanya khona efana nesikhathi sokudla, isikhathi sokubuyelela ekhaya, nesokuya endlwaneni singanikelwa umnqopho oqaliswe ekubaleni. Boke abantwana 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 lesi njengesikhathi sokufundisa ngamanye amagama utitjhere abemlamuli wokufundisa.
- Ngesikhathi *sokudlala ngokutjhapfululaka* utitjhere angathuthukisa **iIMbalo ezisathomako** ngokwakhiwa okufaneleko kwendawo yokudlala. Ukudlala okutjhapfulukileko kwangaphandle okufana nokukhwela ifreyimu yesigodo nofana ukukhwela itsikiri kungathuthukisa ilwazimagama weembalo afana naphezulu/ phasi, masinya/buthaka, ngaphasi/ngaphezulu njll. Ukudlala ngehlabathi namanzi kungangezelela ukuzwisa kwemiqondo efana nobudisi nomthamo. Yoke imisetjenzana izokungezelela amakghono wokuzwa kwanga uyabona enza, lokhu kuba yengcenyane yokuphila njengendabuko okutholakala ngokuphumelela ekufundisweni okuhleliweko kwelitheresi nenumeresi. Iimbonelo zamakghono ngilezi:
 - ukuthuthukisa ukuzwisa ubujamo ebusesikhaleni isibonelo, ngemuva, ngaphambi kwe, ngaphasi kwe nofana hlanu kwento (lokhu kungahlanganiswa nokujanyelwa kwedijithi); ne
 - ukunqophisa nelathelarithi (lokhu kungahlanganiswa nokubunjwa kwenomboro neledere, nokufunda kusukela ngesinceleni ukuya ngesidleni)

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

Ngokwenza iintjhukumezo ezingarhelebha 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 ngokungakalungiselelwa begodu abantwana akukafaneli babekwe ebumjani bokutlola ukuhlola.

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

EGreyidi R ukuhlolwa okunengi kwenziwa ngokubukela, lapho utitjhere arekhoda khona imphumela yokuhlolwa ngokusebenzisa irherho lokuhlola. Ngokukhamba konyaka, isithombe esizeleko ngomntwana ngamunye siyakheka, zizaliswe ngeentjhijilo nangobukghoni bakhe kwenza bonyana iintjhijilo ziqalelelwe, ubukghoni buthuthukiswe. Lokhu kuvumela iintjhijilo bonyana ziqalelelwe nobukghoni buthuthukiswe.

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

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

2.9 IINSETJENZISWA EZIPHAKANYISIWEKO: ITLASI LEEMBALO LESIGABA ESISISEKELO.

- Iimbali
- Idayisi elikhulu
- Ifreyimu ekulu yokubala
- Itjhadi lobude
- Iphostara ekulu eneenomboro 1 – 100 nephostara yegridi yeenomboro 101 – 200 (itjhadi lenomboro ezi-100)
- Amanambalayini ahlukehlukeneko (ajame rwe nathabaleleko)
- Isede yama karada flardi (amakarada anabisako)
- Imali yokudlala — iinhlamvu zemali nemali yephepha.
- Ikhalenda yonyaka loyo
- Iwatjhi ekulu yamasiba yebodeni
- Isikala sokudzimelela
- Amabhlogo wokwakha
- Idaka lokubumba
- Amabhoksi ahlukehlukeneko ngobujamo nesayizi athethwe ekhaya
- Amabhodlelo weplastiki ahlukehlukeneko nezinye iimumathi zokuhlathulula nokumadanisa umthamo
- Iimbalo ezihle zeendulungu (iimbholo), iphrizimu enguncamane (ibhoksi), ikhuyubhu, ikurwana, iphiramidi namasilinda. Utitjhere angazenzela yena ngokwakhe lokhu.
- Iinkwere ezinengi zamaplastiki nofana amakhadibhoksi, aboncamane abahlukehlukeneko, iindulungu, aboncantathu abahlukehlukeneko babe namasayizi ahlukehlukeneko boke.
- Imidlalo yeeMbalo isib. iLudo, iinyoka namaleri, amaphazela angenelanako, amaDomino, amaTangremu njll.
- Okuqakathekileko emaGreyidini R neyoku 1:
 - Iindawo lapho kudlalwa khona ngesanda namanzi
 - Iinsetjenziswa zokukhwela , zokudzimelela, zokujinka nokweqayeqa
 - Isitolo sokudlala nezinto okufanele zithengwe ngemali yokudlala
 - Imihlobohlobo yemidlalo efaneleko okufana nokuthi 'kunani ngaphakathi kwesikwere'?
 - Amabhlogo.

3.1 ISINGENISO

Eemfundweni ezisesiGabeni seFundo ephasi, kuhlalu okumumethwe eendaweni ze-IIMbalo

- 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 ayanqotjhiswa ngaphakathi kwesinye nesinye isihloko. Esigabeni sesi-3 seSigaba Esisisekelo se-Mbalo, ISitatimende Somgomo WeKharikhyulamu nokuHlola siinqophisa besihlathulule lokho okufunekako kokumumethwe ziiMbalo.

3.2 ISENZO SOKUNQOPHISA IRAGALO PHAMBILI KILOKHO OKUMUMETHWEKO.

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

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

Umbonomazombe omfitjhezana wemininingwana Esigabeni Esisisekelo itjengisa iragelo phambili leengaba ezikumumethweko; 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 ESISEKELO
1. IINOMBORO, AMA-OPHARET JHINI NOBUDLELWANO

Iragelo phambili leenomboro, ukusebenza nobudlelwano.

- Iragelo phambili eliqakathekileko leenomboro, ukusebenza nobudlelwano elenzeka ngeendlela ezintathu:
 - Ihlelo leenomboro liyanyuka.
 - Ukwethulwa kwemihlobo ehlukeneko yeenomboro.
 - Ukutjhuguluka kwamachinga wokubala.
- Njengombana ihlelo leenomboro lokubala linyuka ukufika kugreyidi 3, abafundi kufanele bathome ukuba namaqinga amanengi afaneleko wokubala.
- Imirato yobujamo kufanele ibe nokuphenduleka ehlelweni leenomboro egreyidini kunye nekghono lokubala labafundi.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Bala ngeenomboro ngokupheleleko				
1.1 Ukubala izinto	Ukubala izinto eziphathekako Linganisa bewubale ngokuthembeka okungenani kufika ema-10 izinto zangamalanga	Ukubala izinto eziphathekako Linganisa bewubale ngokuthembeka okungenani kufika ema-50 izinto zangamalanga. Ukubala ngeenqhema kuyakhuthazwa	Ukubala izinto eziphathekako Linganisa bewubale ngokuthembeka okungenani kufika ema 200 izinto ngamalanga. Ukubala ngeenqhema kuyakhuthazwa.	Ukubala izinto eziphathekako Linganisa bewubale ngokuthembeka okungenani kufika e-1000 izinto zangamalanga. Ukubala ngeenqhema kuyakhuthazwa
1.2 Ukubala uyephambili nemuva	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye nenye inomboro kusukela keyo-1 ukufika keye-10 Sebenzisa imilolozelo yeenomboro kunye neengoma	Ukubala uyephambili nemuva nga: Ku-1 ukusuka kwenye nenye inomboro hlangana no-1 ne-100 Ukubala uye phambili nga- <ul style="list-style-type: none"> • Li-10 ukusukela kwenye nenye inomboro ebala ngali-10 ehlangana no -1 ne-100 • Ku-5 ukusukela kwenye nenye inomboro ebala nga ku-5 ehlangana no -1 ne-100 • Ku-2 ukusukela kwenye nenye inomboro ebala nga-2 ehlangana no -1 ne-100 	Ukubala uyephambili nemuva nga: <ul style="list-style-type: none"> • Ku-1 ukusuka nanyana ngiyiphi inomboro ehlangana ne-0 na 200 • Li-10 ukusuka nanyana ngiliphi ibuyelelo le- 10 hlangana ne-0 ne 200 • Ku-5 ukusuka nanyana ngaliphi ibuyelelo laka 5 hlangana ne- 0 ne 200 • Ku-2 ukusuka nanyana ngaliphi ibuyelelo laka 2 hlangana ne- 0 ne 200 • Ku-3 ukusuka nanyana ngaliphi ibuyelelo laka 3 hlangana ne- 0 na 200 • Ku-1 ukusuka nanyana ngaliphi ibuyelelo laka 1 hlangana ne- 0 ne 200 	Ukubala uyephambili nemuva nga: <ul style="list-style-type: none"> • Ku-1 ukusuka nanyana ngiyiphi inomboro ehlangana ne-0 ne-1000 • Li- 10 ukusuka nanyana ngiliphi ibuyelelo le 10 hlangana ne- 0 ne 1000 • Ku- 5 ukusuka nanyana ngaliphi ibuyelelo laka 5 hlangana ne- 0 ne 1000 • Ku- 2 ukusuka nanyana ngaliphi ibuyelelo laka 2 hlangana ne- 0 ne 1000 • Ku- 3 ukusuka nanyana ngaliphi ibuyelelo laka 3 hlangana ne- 0 ne 1000 • Ku- 1 ukusuka nanyana ngaliphi ibuyelelo laka 1 hlangana ne- 0 ne 1000 • Ma 20, 25, 50, 100 ukufika okungenani e-1000.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Ukujamisela iinomboro ngokupheleleko				
<p>1.3 Amatshwayo weenomboro namabizo weenomboro</p>	<p>Ukukhumbula, ukubona nokufunda iinomboro</p> <ul style="list-style-type: none"> • Khumbula, ubone begodu ufunde amatshwayo weenomboro ukusuka ku-1 ukufika ku-10 • Khumbula, ubone begodu ufunde amagama weenomboro ukusuka ku-1 ukufika ku-10 	<p>Ukukhumbula, ukubona nokufunda iinomboro</p> <ul style="list-style-type: none"> • Khumbula, ubone begodu ufunde amatshwayo weenomboro ukusuka ku-1 ukufika e-100 • Tlola amatshwayo weenomboro ukusuka ku-1 ukufika e-20 • Khumbula, ubone begodu ufunde amagama weenomboro kusuka ku-1 ukufika e-10 • Tlola amagama weenomboro ukusuka ku-1 ukufika e-10 	<p>Ukukhumbula, ukubona nokufunda iinomboro</p> <ul style="list-style-type: none"> • Khumbula, ubone , ukubona nokufunda amatshwayo weenomboro ukusuka e-0 ukufika e-200 • Ukutlola amatshwayo weenomboro ukusuka e-0 ukufika e-200 • Khumbula, ubone begodu ufunde igama lenomboro ukusuka e-0 ukufika e-100 • Ukutlola amagama weenomboro ukusuka e-0 ukufika e-100 	<p>Ukukhumbula, ukubona nokufunda iinomboro</p> <ul style="list-style-type: none"> • Khumbula, ubone begodu ufunde amatshwayo weenomboro ukusuka e-0 ukufika e-1000. • Tlola amatshwayo weenomboro ukusuka ku-1 ukufika e-1000 • Khumbula, ubone begodu ufunde amagama weenomboro ukusuka ku-1 ukufika e-1000. • Tlola amagama weenomboro ukusuka ku-1 ukufika e-1000
UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko				
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Ukuhlathulula, ukumadanisa nokuhlela ibuthulelo lezinto ukufika e-10</p> <ul style="list-style-type: none"> • Ukuhlathulula iinomboro ngokupheleleko ukufika e-10. • Ukumadanisa bonanyana, ekudlwana, ekulu khulu engaphasi, elinganako epheze iingane, engaphezulu ezimbadlwana kwe-10 ngiyiphi ekulu, encani, hiangana nezimbili izinto ezibuthuleleko. • Ukuhlela ngaphezu kwezimbili zebuthulelo lezinto ukusuka kencani ukuya keku ukufika e-10. 	<p>Ukuhlathulula, ukumadanisa, nokuhlela izinto ukufika e-20</p> <ul style="list-style-type: none"> • Ukuhlathulula nokumadanisa izinto ezibuthuleleko ukuya ngobunengi, okungenani, kufana. • Ukuhlathulula nokumadanisa izinto ezibuthuleleko ukusuka kubunengi ukuya okulingeneko kunye nokusuka kokulingene uye kokunengi. 		

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Ukujamisela inomboro ngokupheleleko</p> <p>Ukuhlathulula, ukumadanisa and nokuhlela inomboro ukufika e-20</p> <ul style="list-style-type: none"> • Ukuhlathulula nokumadanisa inomboro ezipheleleko ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. • Ukuhlathulula bewuhlele inomboro kusuka ngencani-khulu ukufika kekulukulu nokusuka kekulukulu kufika kencani-khulu <p>Sebenzisa inomborosikhundla ukutjengisa ukulandelana, indawo namkha ubujamo</p> <ul style="list-style-type: none"> • Thoma ilemuko leenomborosikhundla isib. Yokuthoma, yesibili, yesithathu ukufika keyesithandathu neyokugcina. 	<p>Ukuhlathulula, ukumadanisa and nokuhlela inomboro ukufika e-99</p> <ul style="list-style-type: none"> • Ukuhlathulula nokumadanisa inomboro ezipheleleko ukufika e-99 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. • Ukuhlathulula bewuhlele inomboro 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"> • Ukubeka izinto ngokulandelana kusukela keyokuthoma ukufika keyamatjumi amabili namkha keyokuthoma ukuya keyokugcina, isib. Yokuthoma, yesibili, yesithathu..... Yamatjumi amabili. 	<p>Ukuhlathulula, ukumadanisa and nokuhlela inomboro ukufika e-999.</p> <ul style="list-style-type: none"> • Ukuhlathulula nokumadanisa inomboro ezipheleleko ukufika e-999 ngokusebenzisa okuncani kuna, okukhulu kuna, okunengi kuna, okungaphasi kuna, okulinganako. • Ukuhlathulula bewuhlele inomboro ezipheleleko ukufika e-999 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"> • Ukusebenzisa, ukufunda nokutola inomborosikhundla kufaka hlanguana nezithunyaziweko (1st-koku1, 2nd-kwesi2, 3rd-kwesi3 ukufika kokwama 31st) 	
<p>1.5</p> <p>Ubukhulu bedijithi</p>	<p>UKUTHUTHUKA KWEMIQONDO YEENOMBORO: Ubukhulu bedijithi</p> <p>Thoma ukulemuka ubukhulu bedijithi okungenani inomboro zamadijithi ama-2 ukufika e-20</p> <ul style="list-style-type: none"> • Ukuphula inomboro zamadijithi ama-2 ukuya ngesibuyabuyelelo se-10 nakunye/ namayunidi. 	<p>Thoma ukulemuka ubukhulu bedijithi okungenani inomboro zamadijithi ama-2 ukufika e-99</p> <ul style="list-style-type: none"> • Ukuphula inomboro zamadijithi ama-2 ukuya ngesibuyabuyelelo se-10 nakunye/namayunidi. <p>Ukufanisa nokutjho ubukhulu benye nenye idijithi.</p>	<p>Thoma ukulemuka ubukhulu bedijithi okungenani inomboro zamadijithi ama-3 ukufika e-999</p> <ul style="list-style-type: none"> • Ukuphula inomboro zamadijithi ama-3 ukufika e-999 ukuya ngesibuyabuyelelo se-100, ngesibuyabuyelelo se-10 nakunye/ namayunidi. • Ukufanisa nokutjho ubukhulu benye nenye idijithi. 	

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKURARULULA IMIRARO ESEBUJAMENI OBUTJHAPHUKILEKO				
<p>1.6</p> <p>Amaqingqa wokurarulula imiraro</p>	<p>Sebenzisa amathekhiniki alandelako ukufika e-10.</p> <ul style="list-style-type: none"> • Insetjenziswa eziphathekako isib. Izinto zokubala. • Ileri yeenomboro ebonakalako. 	<p>Sebenzisa amathekhiniki alandelako nawurarulula imiraro uhlathulule neensombululo:</p> <ul style="list-style-type: none"> • Ama-apharethasi aphaathekako njengezinto zokubala • Iinthonbe zokugwala iimbalo zendatjhana • Ukuphula nokuphula iinomboro • Ukubuyelela nokuqunta phakathi • Inambalayini 	<p>Sebenzisa amathekhiniki alandelako lokha urarulula imiraro bekuhlathulule iinsombululo zemiraro:</p> <ul style="list-style-type: none"> • Imigwalo nofana amapharethasi aphaathekako isib. Izinto zokubala • Ukwakha nokuphula kweenomboro • Ukubuyelela kabili nokuqunta phakathi • Inambalayini • Tloa ngamatjhumi. 	<p>Sebenzisa amathekhiniki alandelako lokha urarulula imiraro bekuhlathulule iinsombululo zemiraro:</p> <ul style="list-style-type: none"> • Ukwakha nokuphula kweenomboro • Ukubuyelela kabili nokuqunta phakathi • Inambalayini • Tloa ngamatjhumi.
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Rarulula iimbalo zamagama (Indaba zokuhlanganisa) ezisebujameni bewuhlathulule iinsombululo zakho zemiraro ezifaka ukuhlanganisa nokukhupha ngempendulo ukufika e-10.</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa, ukukhupha nempendulo ukufika e-20.</p>	<p>Ukusombulula imiraro yeembalo zamagama ezisebujameni abe ahlathululo iinsombululo okungezakhe umraro ofakahlanga ukuhlanganisa nokukhupha okuneempendulo ezifikelela e-99.</p>	<p>Ukusombulula imiraro yeembalo zamagama ezisebujameni abe ahlathululo iinsombululo okungezakhe umraro ofakahlanga ukuhlanganisa nokukhupha okuneempendulo ezifikelela e-999.</p>
<p>1.8</p> <p>Ukuhlanganisa okubuyelelweko kurholela ekubuyabuyeleleni</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa okubuyelelako nempendulo ukufika ku-20</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho zemiraro, faka ukuhlanganisa okubuyelelako nempendulo ukufika ku-20</p>	<p>Ukusombulula imiraro yeembalo zamagama ezisebujameni abe ahlathululo iinsombululo okungezakhe, umraro ofakahlanga ukuhlanganisa okubuyelelweko okukhokhela ekubuyeleleni okunomphumelo ofikelela e-50.</p>	<p>Ukusombulula imiraro yeembalo zamagama ezisebujameni abe ahlathululo iinsombululo okungezakhe umraro ofakahlanga ukubuyelela okuneempendulo ezifikelela e-100.</p>
<p>1.9</p> <p>Ukubuthethelela nokwabelana okurholela ekuhlukaniseni.</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho ufake ukwabelana ngokulingana nokubuthethelela kwenomboro ezizeleko ukufika e-10 begodu nangempendulo ezifaka hlanga okuseleko.</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho ufake ukwabelana ngokulingana nokubuthethelela kwenomboro ezizeleko ukufika e-20 begodu nangempendulo ezifaka hlanga okuseleko.</p>	<p>Ukusombulula imiraro yeembalo zamagama ezisebujameni abe ahlathululo iinsombululo okungezakhe, umraro ofakahlanga ukwabelana ngokulingana ukufikela e-100 kumphumela ozokufakahlanga neensalela.</p>	<p>Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlanga ukwabelana ngokulingana ukufikela e-100 ngeenqhema ukufikela e-100 kumphumela ozokufakahlanga neensalela.</p>
<p>1.10</p> <p>Ukwabelana okurholela emafrajthini</p>	<p>Rarulula iimbalo zamagama ezisebujameni bewuhlathulule iinsombululo zakho ufake ukwabelana ngokulingana nokubuthethelela kwenomboro ezizeleko ukufika e-10 begodu nangempendulo ezifaka hlanga okuseleko.</p>	<p>Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlanga ukwabelana ngokulingana ekurholela eensombululweni ezifaka amafrajthini ahlobanako nangahlobaniko.</p>	<p>Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlanga ukwabelana ngokulingana ekurholela eensombululweni ezifaka amafrajthini ahlobanako nangahlobaniko.</p>	<p>Ukusombulula nokuhlathulula iinsombululo zemiraro eyenzekako efakahlanga ukwabelana ngokulingana ekurholela eensombululweni ezifaka amafrajthini ahlobanako nangahlobaniko.</p>

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
UKURARULULA IMIRARO ESEBUJAMENI OBUTJHAPHUKILEKO				
1.11 Imali	Thoma ukulemuka amasende nemali yamaphepha yeSewula Afrika.	<ul style="list-style-type: none"> Khumbula bewufanise imali ezinhlavu yeSewula Afrika: (5c, 10c, 20, 50c, R1, R2; R5) kunye nemali emaphepha i-R10 ne R20 Ukurarulula imiraro efaka hiangana amanani wemali nejtjenti yama R20 neyamasende ukufika ema-20c 	<ul style="list-style-type: none"> Ukukhumbula nokufanisa imali yeSewula Afrika ezinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali emaphepha R10, R20, R50 Ukurarulula imiraro yemali efakahlangana inani nejtjenti kufikela emarandeni ama-R99 namasende ama- 90c. 	<ul style="list-style-type: none"> Ukukhumbula nokufanisa imali yoke yeSewula Afrika ezinhlamvu nemali emaphepha Ukurarulula imiraro yemali efakahlangana amanani nejtjenti yamaranda namasende Tjhugulula amarandi namasende
UKUBALA OKUSEBUJAMENI OBUTJHAPHULUKILEKO				
1.12 Amathekiniki (iindlela namaqhinga)		<p>Sebenzisa amathekiniki alandelayo nawubalako</p> <ul style="list-style-type: none"> Ama-apharethasi aphaathekako njengezinto zokubala Gwala iinthombe Ukwakha bewuphadhle iinomboro Ukubuyelela nkuqunta phakathi Iinamba layini 	<p>Sebenzisa amaqhinga alandelayo lokhana nakubalwako.</p> <ul style="list-style-type: none"> Imidwebo nofana amapharethasi aphaathekako isib. Izinto zokubala Ukwakha nokuphula kweenomboro Ukubuyelela kabili nokuqunta phakathi Inambalayini 	<p>Sebenzisa amaqhinga alandelayo lokhana nakubalwako.</p> <ul style="list-style-type: none"> Ukwakha nokuphula kweenomboro Ukubuyelela kabili nokuqunta phakathi Inambalayini Tlola ngamatjhumu.
1.13 Ukuhlanganisa nokukhupha	Ukusombulula imiraro yokuhlanganisa nokukhupha etjhiwo ngomlomo ngeensombululo ukufika e-10.	<ul style="list-style-type: none"> Ukuhlanganisa ukufika e-20 Ukukhupha ema- 20 Sebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabhondi ukufika e-10 	<ul style="list-style-type: none"> Ukuhlanganisa ukufikela e-99 Ukukhupha ema-99 Ukusebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabhondi ukufika e-20 	<ul style="list-style-type: none"> Ukuhlanganisa ukufikela ku-999 Ukukhupha ema-999 Ukusebenzisa amatshwayo afaneleko (+, -, =, □) Ukuphrakthisa inambabhondi ukufika e-30
1.14 Ukuhlanganisa okubuyelelelweko kurholela ekubuyabuyeleleni		<ul style="list-style-type: none"> Hianganisa 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, □)
1.15 Ukuhlukanisa				<ul style="list-style-type: none"> Hlukanisa iinomboro ukufika e-99 ngeye-2, 3, 4,5,10. Ukusebenzisa amatshwayo afaneleko (+, -, =, □)

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>UKUBALA OKUSEBUJAMENI OBUT JHAPHULUKILEKO</p> <p>1.16 Iimbalo zehlolo</p>	<p>Umqondo nomboro: Irherho 10 Umsetjenzana ngamunye uthoma ngeembalo zehlolo:</p> <ul style="list-style-type: none"> • Ukubala izinto zangamalanga • Ukubala uyephambili nemuva • Iinomboro sikhundla • Wahla izandla amahlandlha amanengi/ambalwa • Ngimaphi amahlandlha wokuwahla amanengi khulu/ncani khulu/ nengi/ ncanyana • Ngijiphi inomboro eza ngaphambili/ngemuva /hlangana 	<p>Umqondonomboro: Irherho ukufika e-20</p> <ul style="list-style-type: none"> • Nikela inomboro ngaphambili namkha ngemuva kwenye inomboro. • Hlela isede enikelweko yeenomboro ezikhethiweko • Madanisa iinomboro ukufika e-20 bewutjho nokobana ngijiphi keyo-1 neye-2 ekulu namkha encani. 	<p>Umqondonomboro: Irherho ukufika e-99</p> <ul style="list-style-type: none"> • Ukuhmisisa iinomboro ezikhethiweko ngokwesede enikelweko. • Ukumadanisa iinomboro ukufika e-99 bewutjho bonyana ngijiphi enengi nofana encani nga: 1, 2, 3, 4, 5, begodu nangali-10 	<p>Umqondonomboro: Irherho ukufika e-1000</p> <ul style="list-style-type: none"> • Ukuhmisisa iinomboro ezikhethiweko ngokwesede enikelweko. • Ukuqanathisa iinomboro ukufika e-1000 nokutjho bona ngijiphi ekulu namkha encani nga: 1, 2,3,4,5 begodu nangali 10.
		<p>Ukukhumbula msinyana:</p> <ul style="list-style-type: none"> • Ukukhumbula amaphuzu wamambala ngokuhlanganisa nokukhupha ukufika e-10 	<p>Ukukhumbula msinyana:</p> <ul style="list-style-type: none"> • Ukukhumbula amaphuzu wamambala ngokuhlanganisa nokukhupha ukufika e-20 • Hlanganisa nofana ukhuphe iimbuyabuyeleli ze-10 ukusukela e-0 ukuya e-100 	<p>Ukukhumbula msinyana:</p> <ul style="list-style-type: none"> • Ukukhumbula amaphuzu wamambala ngokuhlanganisa nokukhupha ukufika e-20 • Hlanganisa nofana ukhuphe iimbuyabuyeleli ze-10 ukusukela e-0 ukuya e-100 • Ukubuyelela kwamambala kwe: <ul style="list-style-type: none"> - Ithebula 2 wokubuyabuyelela aneempendulo ukufika e-20 - 10 amathebula wokubuyabuyelela aneempendulo ukufika e-100 • Amaphuzu weenomboro wokuhlukanisa: <ul style="list-style-type: none"> - ukufika e-20 ezihlukaniseka ngo ku 2 - ukufika e-100 ezihlukaniseka nge-10

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>1.16</p> <p>Iimbalo zehloko</p>	<p>UKUBALA OKUSEBUJAMENI OBUTJHAPHULUKILEKO</p>	<p>Amaqhingha wokubala</p> <p>Ukusebenzisa amaqhingha wokubala ukuhlanganisa nokukhupha ngeqghono elifaneleko:</p> <ul style="list-style-type: none"> • Beka inomboro ekulu maqangi ukuze ubale uyephambili nofana ubale uye emuva • Inambalayini. • Ukubuyelela nokuhlukanisa • Ukwakha nokuphula 	<p>Amaqhingha wokubala</p> <p>Ukusebenzisa amaqhingha wokubala ukuhlanganisa nokukhupha ngeqghono elifaneleko:</p> <ul style="list-style-type: none"> • Beka inomboro ekulu maqangi ukuze ubale uyephambili nofana ubale uye emuva • Inambalayini. • Ukubuyelela nokuhlukanisa • Ukwakha nokuphula • Ukusebenzisa ubudlelwana obuphakathi okuhlanganisa nokukhupha. 	<p>Amaqhingha wokubala</p> <p>Ukusebenzisa amaqhingha wokubala alandelako:</p> <ul style="list-style-type: none"> • Beka inomboro ekulu maqangi ukuze ubale uyephambili nofana ubale uye emuva • Inambalayini. • Ukubuyelela nokuhlukanisa • Ukwakha nokuphula • Ukusebenzisa ubudlelwana obuphakathi okuhlanganisa nokukhupha. • Ukusebenzisa ubudlelwana hlangana bokubuyelela nokuhlukanisa.
<p>1.17</p> <p>Amafraktjhini.</p>			<p>• Sebenzisa bewutjho amafraktjhini wohlavu olulodwa ajayelekileko okufakahlangana neengezezu, amakota, isithathu begodu nesihlanu njll</p> <ul style="list-style-type: none"> • Ukubona amafraktjhini ebujameni obuyidayagremu 	<p>• Sebenzisa bewutjho amafraktjhini wohlavu olulodwa nalayo angena hlavu olulodwa ajayelekileko okufakahlangana neengezezu, amakota, isithathu begodu nesihlanu njll</p> <ul style="list-style-type: none"> • Ukubona amafraktjhini ebujameni obuyidayagremu • Thoma ukulemuka bona iinquntu ezimbili namkha iinthathu ezintathu zenza yinye epheleleko nokuthi isiquntu esisodwa namakota amabili ziyalingana. • Tlola amafraktjhini njengesiquntu esisodwa, iinthathu ezimbili

UMBONOMAZOMBE WESIGABA ESISEKELO
2. AMAPHETHENI, AMAFANKTJHINI NE-ALJIBHRA

Iragelo phambili lamaPhetheni, amaFanktjhini ne-Aljibhra.

- KumaPhetheni, amaFanktjhini ne-Aljibhra abafundi banikelwa amathuba wokuthi:
 - Baqedelele bebangezelele amaphetheni ajanyiselwe ngeendlela ezihlukeneko.
 - Bafanise bebahlathulule amaphetheni.
- Ukuhlathulula amaphetheni kuleka isisekelo kubafundi besigaba esiphakathi ukuthi bahlathulule imithetho yamaphetheni. Kwamva lokhu kuba ngendlela ehlelekileko emsebenzini we-aljibra esigabeni esiphakathi.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
2.1 Amaphetheni weJiyomethri	Ukukopa nokungezelela. Ukukopa nokungezelela amaphetheni alula ngokusebenzisa izinto ezibonakalako kunye nemigwalo (Isib. ngokusebenzisa imibala nobujamo)	Ukukopa, ungezelele bewuhlathulule Ukukopa, ungezelele bewuhlathulule ngamagama • Amaphetheni alula enziwe ezibonakalako • Amaphetheni alula enziwe ngemigwalo yemida, ubujamo nofana izinto. Yenza bewuhlathulule amaphetheni wakho • Ngezinto ezibonakalako • Ngokugwala imida, ubujamo nofana izinto	Ukukopa, ungezelele bewuhlathulule Ukukopa, ungezelele nokuhlathulula ngamagama • Amaphetheni arareneko eyenziwe ngezinto eziphathekako • Amaphetheni arareneko enziwa ngokugwala imida, ubujamo nofana izinto. Yenza bewuhlathulule amaphetheni okungewakhe • Ngezinto eziphathekako • Ngokugwala imida, ubujamo nofana izinto	Ukukopa, ungezelele bewuhlathulule Ukukopa, ungezelele nokuhlathulula ngamagama • Amaphetheni arareneko eyenziwe ngezinto eziphathekako • Amaphetheni arareneko enziwa ngokugwala imida, ubujamo nofana izinto. Yenza bewuhlathulule amaphetheni wakho • Ngezinto ezibonakalako • Ngokugwala imida, ubujamo nofana izinto
2.2 Amaphetheni weenomboro.		Amaphetheni asizombelezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJiyomethri • Ngokwemvelo • Kusukela epilweni yangamalanga yesimodeni, • Asuka kwilifa lamasiko wethu	Amaphetheni asizombelezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJiyomethri • Ngokwemvelo • Kusukela epilweni yangamalanga yesimodeni, • Asuka kwilifa lamasiko wethu	Amaphetheni asizombelezileko Ukukhomba, ukuhlathulula ngamagama nokukopa amaphetheni weJiyomethri • Ngokwemvelo • Kusukela epilweni yangamalanga yesimodeni, • Asuka kwilifa lamasiko wethu

UMBONOMAZOMBE WESIGABA ESISEKELO
3. ISIKHALA NOBUJAMO (LJIYOMETRHI)

Iragelo phambili lesikhala nobujamo.

Iragelo phambili eliqakathekileko lesikhala nobujamo liphumelele ngoku:

- Nqophisa emikghweni emitjha nematshwayeni wobujamo nezinto egreyidini enye nenye begodu;
- Tjhida ekufundeni ilimi lobujamo nokumadanisa imibono ehlukeneko entweni eyodwa ekufundeni nekulandeleni iinkombatjhuba ezisemebheni engakahleleki.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>3.1 Ubuja mo, uku jayeza nokubukela</p>	<p>Ilimi lobujamo Hlathulula ubujamo bento nokuhlobana kwenye nenye isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe.</p> <p>Ubuja mo nekom batjhuba</p> <ul style="list-style-type: none"> • Ukulandela ikombatjhuba yokukhambakhamba ngetlasini 	<p>Ilimi lobujamo Hlathulula ubujamo bento nokuhlobana kwenye nenye isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe.</p> <p>Ubuja mo nokubukela</p> <ul style="list-style-type: none"> • Ukukhumbula nokumadanisa imibono ehlukeneko yezinto ezifanako zangamalanga. 	<p>Ilimi lobujamo Hlathulula ubujamo bento nokuhlobana kwenye nenye isib. phezu-kwe, phambi-kwe, ngemuva-kwe, ngesinceleni, ngesidleni, phezulu, phasi, hlanu-kwe.</p> <p>Ubuja mo nokubukela</p> <ul style="list-style-type: none"> • Ukukhumbula nokumadanisa imibono ehlukeneko yezinto ezifanako zangamalanga. 	<p>Ubuja mo nokubukela</p> <ul style="list-style-type: none"> • Ukukhumbula nokumadanisa imibono ehlukeneko yezinto ezifanako zangamalanga • Yitjho into esetjenziswa ngamalanga lokha nawujengiswa ihlangothi layo elingakajayeleki • Funda, hlathulula begodu ugwale amamebhe angasisemthethweni, nofana ukubona ingaphezulu lebuthelelo lezinto. • Thola izinto emimebheni <p>Ubuja mo nekom batjhuba</p> <ul style="list-style-type: none"> • Landela iinlayelo ukwenzela ukukhambakhamba ngetlasini, begodu nesikolweni. • Nikela iinlayelo ukwenzela ukukhambakhamba. • Landela iinlayeelo kusuka kwenye indawo ukuya kwenye emebheni ongasingowomthetho.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>3.2 Izinto ezibobusontathu (3-D)</p>	<p>Irherho lezinto Ukubona nokujijho izinto ezibobusontathu (3-D) ezingetlasini neenthombeni</p> <ul style="list-style-type: none"> • Ubujamo bebhola • Ubujamo bebhoksi <p>Amatshwayo wezinto Hlathulula, hlukanisa ngemihlobo, umadanise izinto ezibobusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> • ngobukhulu • ngombala • ngezinto ezigedekako • ngezinto ezitjhelelako <p>Imisebenzi enqotjhiweko</p> <ul style="list-style-type: none"> • Ukusebenzisa izinto ze 3-D ezifana namabhlogo wokwakha, izinto ezibuyelelweko njll. Ukwakha / ukutlamba izinto .Isib umbhotjhongo, amabhlorho njll. 	<p>Irherho lezinto Ukubona nokujijho izinto ezibobusontathu (3-D) ezingetlasini neenthombeni</p> <ul style="list-style-type: none"> • Ubujamo bebhola (indulungu) • Ubujamo bebhoksi (iphrizimu) <p>Amatshwayo wezinto Hlathulula, hlukanisa ngemihlobo, umadanise izinto ezibobusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> • ngobukhulu • ngombala • ngezinto ezigedekako • ngezinto ezitjhelelako <p>Imisebenzi enqotjhiweko</p> <ul style="list-style-type: none"> • Ukuyelela nokwakha izinto ze 3-D ngokusebenzisa iinsejenziswa eziphathekako ezifana amabhlogo wokwakha, izinto ezibuyelelweko, iinsejenziswa zokwakha. 	<p>Irherho lezinto Ukubona nokujijho izinto ezibobusontathu (3-D) ezingetlasini neenthombeni</p> <ul style="list-style-type: none"> • Ubujamo bebhola (indulungu) • Ubujamo bebhoksi (iphrizimu) • Isilinda <p>Amatshwayo wezinto Hlathulula, hlukanisa ngemihlobo, umadanise izinto ezibobusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> • ngobukhulu / isayizi • ngezinto ezigedekako • ngezinto ezitjhelelako <p>Imisebenzi enqotjhiweko</p> <ul style="list-style-type: none"> • Ukuyelela nokwakha izinto ze 3-D ngokusebenzisa iinsejenziswa eziphathekako ezifana namabumbeko we 2-D asikiweko, amabhlogo wokwakha, izinto ezibuyelelweko, iinsejenziswa zokwakha, nezinye izinto zeJiyomethri ezi 3-D. 	<p>Irherho lezinto Ukubona nokujijho izinto ezibobusontathu (3-D) ezingetlasini neenthombeni</p> <ul style="list-style-type: none"> • Ubujamo bebhola (indulungu) • Ubujamo bebhoksi (iphrizimu) • Isilinda • Amaphiramidi. • Amakhowuni. <p>Amatshwayo wezinto Ukuhlathulula, ukubeka ngeengaba nokumadanisa izinto ezibobusontathu (3-D) ngokuya nga:</p> <ul style="list-style-type: none"> • Mabumbeko abobusobubili (2-D) lawo enza ubuso bezinto ezibobusontathu (3-D) • Mabala aparaleleko nofana ajikako. <p>Imisebenzi enqotjhiweko.</p> <ul style="list-style-type: none"> • Ukuyelela nokwakha izinto ze 3-D ngokusebenzisa iinsejenziswa eziphathekako ezifana namabumbeko we 2-D asikiweko, idaka, iingojuwana zamazinyo, amathunjana wokusela, nezinye izinto zeJiyomethri ezi 3-D.

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

UMBONOMAZOMBE WESIGABA ESISEKELO
4. UKUMEDA

Iragelo phambili lokuMeda

- Iragelo phambili lokumeda ukweqela kamanye amagreyidi kuphumelele ngokungenisa lokhu:
 - iindlela ezijja zokumeda;
 - amathulusi amatjha wokumeda, ukuthoma ngamathulusi angakahleki ukuya kusejenziswa zeemedo ezihlelekileko zegreyidi 2 neye 3;
 - amayunidi amatjha wokumeda, khulukhulu kugreyidi ye 2 neye 3.
- Ukubala nokurarulula imiraro yokumeda kufanele lemisebenzi yeenomboro esele yenziwe.

IINHLOKO		IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
4.1	Isikhathi	Ukudlula kwesikhathi Kukhuluma ngokudlula kwesikhathi <ul style="list-style-type: none"> • Khuluma ngezinto ezenzeka emini nezinto ezenzeka ebusuku. • Abafundi balandlanisa izehlakalo ezenzeke emini. • Ukuhlela izehlakalo ezenzeka njalo emaphilweni wabo. 	Ukudlula kwesikhathi Kukhuluma ngokudlula kwesikhathi <ul style="list-style-type: none"> • Hlela izehlakalo eziqhelekileko ezisuke epilweni yabo. • Ukumadanisa ubude besikhathi kusejenziswa ilimi isib. iskhathi eside, isikhathi esifijhane, masinyana, kabuthaka. • Ukulandlanisa izehlakalo kusejenziswa ilimu elifaka nokuthi izolo, namhlanje, kusasa 		

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>4.1 Isikhathi</p>	<p>Ukutjho isikhathi</p> <ul style="list-style-type: none"> • Ukuhlathulula nangabe kwenzeka into kusejenziswa ilimi isib. Ekuseni, ngemuva kwedina, ebusuku, ekuseni khulu, ngemuva kwesikhathi. • Ukutjho nokulandelanisa amalanga weveke, neenyanga zonyaka. • Ukubeka amalanga wamabeletho ekhalendeni 	<p>Ukutjho isikhathi</p> <ul style="list-style-type: none"> • Ukutjho nokulandelanisa amalanga weveke ne linyanga zonyaka. • Ukubeka ekhalendeni amalanga wamabeletho, imigidingo yekolo, amalanga wamaholidiyei, izehlakalo zomlando, izehlakalo zesikolo. • Ukutjho isikhathi ngama-iri ali-12, isigamu se-iri nekota ye-iri esisewatjhini ye-analogo. 	<p>Ukutjho isikhathi</p> <ul style="list-style-type: none"> • Funda amalanga ekhalendeni. • Ukubeka ekhalendeni amalanga wamabeletho, imigidingo yekolo, amalanga wamaholidiyei, izehlakalo zomlando, izehlakalo zesikolo. • Ukutjho isikhathi sama iri ali-12 <ul style="list-style-type: none"> - ngama-iri, - isigamu se-iri - ikota ye-iri - ngamaminithi <p>asewatjhini ye-analogo newatjhi yedijithi nezinye iintlabagelo zamadijithi ezitjengisa isikhathi: isib. Umaliedinini.</p> <p>Bala ubude besikhathi nokudlula kwesikhathi</p> <ul style="list-style-type: none"> • Sebenzisa amakhelenda ukubala nokuhlathulula ubude besikhathi ukuya nga: <ul style="list-style-type: none"> - malanga - mveke - nyanga. • Ukutjhugululwa hlangana namalanga nemveke • Ukutjhugululwa hlangana kwemveke nenyanga • Sebenzisa amawatjhi ukubala ubude besikhathi ukuya: <ul style="list-style-type: none"> - ngama-iri - linquntu ze-iri. - Amakota we-iri. 	

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>4.2 Ubude</p>	<p>Ukumadaniisa okungakahleleki</p> <ul style="list-style-type: none"> Ukumadaniisa nokuhlela ubude, ukuphakama nofana ububanzi bezinto ezimbili nofana ezinengi ngokuzibeka enye eqadi kwenye. Ukusebenzisa ilimu ukukhuluma nokufanisa isib.ubude, ubufijhani, omude nobubanzi. 	<p>Ukumadaniisa okungakahleleki</p> <ul style="list-style-type: none"> Ukumadaniisa nokuhlela ubude, ukuphakama nofana ububanzi bezinto ezimbili nofana ezinengi ngokuzibeka enye eqadi kwenye. Ukusebenzisa ilimu ukukhuluma nokufanisa isib.ubude, ubufijhani, omude nobubanzi. Ukulinganisa, ukumada, ukumadaniisa, ukuhlela bewurekhode ubude usebenzise iimedo ezisezingeni elingakahleleki isib. Ubude besandla, igadango, ubude bepensela, izinto zokubala. Hlathulula ubude bezinto ngokubala nokutjho ubude kumayunidi angakahleleki. 	<p>Ukumadaniisa okungakahleleki</p> <ul style="list-style-type: none"> Ukulinganisa, ukumada, ukumadaniisa, ukuhlela bewurekhode ubude usebenzise iimedo ezisezingeni elingakahleleki isib. Ubude besandla, igadango, ubude bepensela, izinto zokubala. Hlathulula ubude bezinto ngokubala nokutjho ubude kumayunidi angakahleleki. 	<p>Ukumadaniisa okungakahleleki</p> <ul style="list-style-type: none"> Ukulinganisa, ukumada, ukumadaniisa, ukuhlela nokurekhoda ubude ngokusebenzisa amamitha (kungaba iingodo zamamitha namkha iintambo zobude bamamithara) njenge yunidi yobude obusezingeni. Ukulinganisa nokumada ubude ngamasentimitha ngokusebenzisa irula. (Ukutjhugululwa hlanguana namamitha namasentimitha akufuneki).
<p>4.3 Ubungako/ubudisi</p>	<p>Ukulinganisa okungakahleleki</p> <ul style="list-style-type: none"> Ukumadaniisa nokuhlela ubudisi bezinto ezimbili namkha ngaphezulu ngokuzizwa namkha ngokusebenzisa isikala esimedako. Ukusebenzisa ilimi ukukhuluma nokumadaniisa isib. Umkhanyo, budisi, lula, budisi khulu. 	<p>Ukulinganisa okungakahleleki</p> <ul style="list-style-type: none"> Ukulinganisa, ukumada, ukumadaniisa, ukuhlela, bekurekhodwe ubudisi, kusejenziswa isikala sokudzimelela nesilinganiso esingakahleleki isib. Amabhlogo, iintina njli. Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahleleki. Ukusebenzisa ilimi ukukhuluma nokumadaniisa isib.elula, ebudisi, elula-khulu, ebudisi-khulu. 	<p>Ukulinganisa okungakahleleki</p> <ul style="list-style-type: none"> Ukulinganisa, ukumada, ukumadaniisa, ukuhlela, bekurekhodwe ubudisi, kusejenziswa isikala sokudzimelela nesilinganiso esingakahleleki isib. amabhlogo, iintina Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahleleki. Ukusebenzisa ilimi ukukhuluma nokumadaniisa isib. elula, ebudisi, elula-khulu, ebudisi-khulu 	<p>Ukulinganisa okungakahleleki</p> <ul style="list-style-type: none"> Ukulinganisa, ukumada, ukumadaniisa, ukuhlela, bekurekhodwe ubudisi, kusejenziswa isikala sokudzimelela nesilinganiso esingakahleleki isib. amabhlogo, iintina Hlathulula ubudisi bezinto ngokubala nokutjho ubudisi bamayunidi angakahleleki. Ukusebenzisa ilimi ukukhuluma nokumadaniisa isib. elula, ebudisi, elula-khulu, ebudisi-khulu

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>4.3</p> <p>Ubungako/ubudisi</p>			<p>Ukwethula ukulinganisa okuhlelekileko</p> <ul style="list-style-type: none"> • Ukumadanisa, ukuhlela nokurekhoda ubudisi beempakana zezinto zerhwebo lezo ubudisi bazo bubalwekwaphela ngamakilogremu Isib. Amakilogremu ama-2 wereyisi nekilogremu e-1 yeflowuru. • Balinganise ubudisi babo ngamakilogremu ngokusebenzisa isikala sangendlini yokuhlambela. 	<p>Ukwethula ukulinganisa okuhlelekileko</p> <ul style="list-style-type: none"> • Ukumadanisa, ukuhlela nokurekhoda ubudisi beempakana zezinto zerhwebo lezo ubudisi bazo bubalwe ngamakilogremu Isib. - Amakilogremu ama-2 wereyisi nekilogremu e-1 yeflowuru. - Ngamagremu Isib amagremu ama-500 wetshtwayi. • Balinganise ubudisi babo ngamakilogremu ngokusebenzisa isikala sangendlini yokuhlambela. <p>(Ukutjhogululwa hlanguana namagremu namakilogremu akufuneki)</p>
<p>4.4</p> <p>Umthamo/Ivolumu</p>	<p>Ukumeda okungakahleleki</p> <ul style="list-style-type: none"> • Ukumadanisa nokuhlela ubungako okusamanzi (umthamo) okuseemumathini ezimbili ezibekwe enye eduze kwentye. Abafundi bazokuhlola ngokuthela esimumathini sesithathu nakunesidingo. • Ukumadanisa nokuhlela ubungako balokho okusamanzi okungaphathwa ziimumathi ezimbili nazizalisweko. (umthamo) • Sebenzisa ilimi ukukhuluma ngokufana Isib okunengi, okuncani, okuzeleko, okunganalitho 	<p>Ukumeda okungakahleleki</p> <ul style="list-style-type: none"> • Ukumadanisa nokuhlela ubungako okusamanzi (umthamo) okuseemumathini ezimbili ezibekwe enye eduze kwentye. Abafundi bazokuhlola ngokuthela esimumathini sesithathu nakunesidingo. • Ukumadanisa nokuhlela ubungako balokho okusamanzi okungaphathwa ziimumathi ezimbili nazizalisweko. • Sebenzisa ilimi ukukhuluma ngokufana Isib okunengi, okuncani, okuzeleko, okunganalitho. • Ukulinganisa, ukumeda, ukumadanisa, ukuhlela nokurekhoda umthamo weemumathi ngokusebenzisa iimedo ezingakahleleki. Isib Isigobho nekomitiji 	<p>Ukumeda okungakahlelelwa</p> <ul style="list-style-type: none"> • Ukulinganisa, ukumeda, ukumadanisa, ukuhlela bewurekhode umthamo weemumathi (Isib. ubunengi isimumathi esikhona nasizalisweko) ngokusebenzisa izinto zokumeda ezingakahleleki Isib. lingobho neenkomitiji. 	<p>Ukumeda okungakahlelelwa</p> <ul style="list-style-type: none"> • Ukulinganisa, ukumeda, ukumadanisa, ukuhlela bewurekhode umthamo ongeemumathini (Isib. ubunengi isimumathi esikhona ukuphatha nasizalisweko) ngokusebenzisa izinto zokumeda ezingakahleleki Isib. lingobho neenkomitiji.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>4.4 Umthamo/ Ivolumu</p>		<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahleleki angazalisa isimumathi isib. Ibhodlelo linomthamo weenkomitji ezine. 	<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahleleki angazalisa isimumathi isib. Ibhodlelo linomthamo weenkomitji ezine. <p>Ukwethula ukumeda okuhlelekileko.</p> <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhlela nokurekhoda ubungako bezinto ngokumeda ngamalitha, isiquntu selitha nekota yamalitha Ukumadanisa, ukuhlela nokurekhoda ubungako beempakana zezinto zerhwebo lezo ubungako bazo bubhalwe ngamalitha isib. Ibisi lamalitha ama-2, isiselo selitha e-1, ipende yamalitha ama-5 nofana kutolewe ngamamiliitha isib. Ibisi elimamiliitha ama-500, isiselo esimamiliitha ama -340, i-oli emamiliitha ama -750. 	<ul style="list-style-type: none"> Ukuhlathulula umthamo wesimumathi ngokubala nookutjho bonyana mayunithi amangaki angakahleleki angazalisa isimumathi isib. Ibhodlelo linomthamo weenkomitji ezine. <p>Ukwethula ukumeda okuhlelekileko.</p> <ul style="list-style-type: none"> Ukulinganisa, ukumeda, ukumadanisa, ukuhlela nokurekhoda ubungako bezinto ngokumeda ngamalitha, isiquntu selitha nekota yamalitha Ukumadanisa, ukuhlela nokurekhoda ubungako beempakana zezinto zerhwebo lezo ubungako bazo bubhalwe ngamalitha isib. Ibisi lamalitha ama-2, isiselo selitha e-1, ipende yamalitha ama-5 nofana kutolewe ngamamiliitha isib. Ibisi elimamiliitha ama-500, isiselo esimamiliitha ama -340, i-oli emamiliitha ama -750. Ukwazi bona ubungako bekomitji elingeneko bumamiliitha ama-250. Ukwazi bona ubungako betelebhula elingeneko bumamiliitha ama-5 (Ukutjhugululwa hlangana namamiliitha namalitha akufuneki).
<p>4.5 Ipherimitha nobungako bendawo</p>				<p>Ipherimitha</p> <p>Ukurhubhulula ubude obuzombelezako bezinto ezi-2-D nezi 3-D ngokusebenzisa ukumadanisa okungophileko namayunithi angakahleleki.</p> <p>Ubungako bendawo</p> <p>Ukurhubhulula ngobungako bendawo ngokusebenzisa ukuthayela.</p>

UMBONOMAZOMBE WESIGABA ESISEKELO
5. UKUPHATHA IDATHA

Iragelo phambili lokuphatha iDatha.

- Iragelo phambili lokuphatha idatha ukweqela kamanye amagreyidi kuphumelele ngoku:
 - Ukujhida ekusebenzeni ngezinto ukuya ekusebenzeni ngedatha, kanye
 - Ngokusebenza ngeendlela ezitja zokwethulwa kwedatha.
- Abafundi kufanele basebenze ngomzombe wedatha ophelileko okungenani kanye nkonyaka-lokhu kufaka ukubuthelela nokuhlelwa kwedatha, ukujamisela idatha, ukuhlaziya idatha, ukurhumtjha idatha nokubika idatha.
- Amanye wamaphuzu wokuphatha idatha angasejenziswa nemisebenzi ehlukeneko.

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
5.1 Ukubuthelela nokuhlela izinto ngeminlobo	Ukubuthelela nokuhlela izinto ngeminlobo Ukubuthelela nokuhlela izinto ezibonakalako ngeminlobo	Ukubuthelela nokuhlela izinto ngeminlobo Ukubuthelela nokuhlela izinto ezibonakalako ngeminlobo		
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 ngemihlobo bunjani? (umkhiqizo) • Imigwalo yebuthelelo. 	Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko <ul style="list-style-type: none"> • Nikela iinzathu ngokuthi okubuthelelweko kuhlelwe bunjani. • Phendula imibuzo ngokuthi: <ul style="list-style-type: none"> - Ukuhlelwa ngemihlobo kwenziwa bunjani (indlela yekambiso) - Okubuthelelweko kwahlelwa ngemihlobo bunjani? (umkhiqizo) • Hlathulula okubuthelelweko nemigwalo ngemihlobo • Hlathululo bona okubuthelelweko kuhlelwe bunjani 		

IINHLOKO	IGREYIDI R	IGREYIDI 1	IGREYIDI 2	IGREYIDI 3
<p>5.4 Ukubuthethelela nokuhlela idatha</p>		<p>Ukubuthethelela nokuhlela idatha</p> <ul style="list-style-type: none"> Buthethelela idatha yetlasi nofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere 	<p>Ukubuthethelela nokuhlela idatha</p> <ul style="list-style-type: none"> Buthethelela idatha yetlasi nofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere 	<p>Ukubuthethelela nokuhlela idatha</p> <ul style="list-style-type: none"> Buthethelela idatha yetlasi nofana yesikolo ukuphendula imibuzo ebuzwa ngutijhere Ukuhlela idatha enikelwe ngutijhere namkha incwadi yomsebenzi/ incwadi yokufunda Hlela idatha ukuya nge: <ul style="list-style-type: none"> - Amathelo - Amathali - Amathebula
<p>5.5 Ukujamiselela idatha</p>		<p>Ukujamiselela idatha</p> <ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. 	<p>Ukujamiselela idatha</p> <ul style="list-style-type: none"> Ukujamiselela idatha negrafu yeenthombe. Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana. 	<p>Ukujamiselela idatha</p> <ul style="list-style-type: none"> Ukujamiselela idatha kuma <ul style="list-style-type: none"> - Iphikthografi (Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana) - Ibhagrafu
<p>5.6 Bahaziya bebarhumutjhe idatha</p>		<p>Hlaziya bewurhumutjhe idatha</p> <ul style="list-style-type: none"> Ukuphendula imibuzo ngedatha yeemkhawulo esegrifini yeenthombe ngakunye nakunye ngokukhambelana. 	<p>Hlaziya bewurhumutjhe idatha</p> <ul style="list-style-type: none"> Ukuphendula imibuzo ngedatha yeemkhawulo esegrifini yeenthombe ngakunye nakunye ngokukhambelana. 	<p>Hlaziya bewurhumutjhe idatha</p> <p>Ukuphendula imibuzo ngedatha ethulwe:</p> <ul style="list-style-type: none"> Iphikthografi (Umkhawulo weenthombe zegrafu ngokunye nokunye ngokukhambelana) Ibhagrafi

3.3 IHLATHULULO LOKUMUMETHWEKO

Kilesi isigaba sokumumethweko okuhlathululako, utitjhere unikelwe loku:

- Umbonomazombe wegreyidi R-3
- lintjhukumezo 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 athladhlulako nomhlahlandlela wokufundisa aneembonelo nakufaneleko.

Esinye nesinye isigaba sokumumethweko siphulwe saba ziinhloko. Zoke iingaba zokumumethweko kufanele zifundiswe kuwo woke amathemu. Ukulandelaniswa kweenhloko ngokwamathemu kunikela umqondo wokuthi iinhloko zingasabalaliswa bezibuyezwe unyaka woke. Akukakateleleki ukufundisa zoke iinhloko zeSikhala nobujamo, ukumeda nokuphatha iDatha ngawo woke amathemu, kodwana, zoke iinhloko kufanele zifundiswe phakathi konyaka.

Esahlukweni 2 (ipharagrafu 2.6) ukulinganiswa kwesigaba sokumumethweko sinikeliwe. Nange lokhu kuhlanganiswa nama-iri anikelweko ngomnyaka umuntu angabalisisa 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 eembalweni nofana esiGabeni esisiSekelo.

- **EGreyidini-R** iMathamethiksi ibunjwe ngendlela omhlobo weembalo ezivumbukako. Ngakho-ke kufanele bona kuyelelwe bonyana akukafaneli kuphulwe kube isikhathi sezifundo. Utitjhe we greyidi R ufanele alukelele iimbalo emisetjenzaneni yabafundi yangamalanga. Nanyana isikhathi sokufundisa iimbalo kufanele sibekelwe lapho utitjhere azokunqopha emisebenzini yokufundisa iimbalo kwaphela, nakungasinjalo abafundi angeke balemuke nofana bathuthukise iminqopho namakgono weembalo.
- Isikhathi samagreyidi 1-3 sabiwe ngale indlela
 - **Ama-iri alikhomba kufanele asetjenziselwe iimbalo ngeveke** (10x4 yamathemu x7yama-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 kenye nenye ithemu, 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

Amathebula alandelayo anikelwe igreyidi enye nenye 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).

- 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 esiqakatheke khulu Eembalweni zeSigabeni Esisisekelo. Esikhathini esiningi kwenye nenye iveke, ithemu, nonyaka inqophe eeNomborweni, Ukusebenza Nobudlelwana. Ngokulingeneko, iifundo eentathu nofana ngaphezulu zeeMbalo kufanele zinqophe eeNomborweni, UkusebenzaNobudlelwana kwenye nenye iveke. Isikhath esiseleko sihlukaniselwa iingaba zokumumethweko ezinye.

Isikhala noBujamo nokuMeda zifuna isikhathi esinengi kunokuPhatha iDatha namaPhetheni, amaFanktjhini ne-Aljibhra. Ithebula elingenzasi linikela isitjengiso sokobana ziifundo ezingaki okufanele zinikelwe esinye nesinye isigaba sokumumethweko nesihloko kwenye nenye igreyidi kuma Phetheni, amaFanktjhini ne-Aljibhra, Isikhala noBujamo, Ukumeda nokuphatha iDatha:

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

Njenge **Greyidi R**, limbalo zithatha ubujamo be**Mbalo Ezisathomako** ngalokho ke isikhathi esilandelako esiphakanyisiweko sinikela zombili izehlakalo zeeMbalo ezinqophileko nemisetjenzana ehlangeneko engakahlelelwa. Lokhu kwenzelwe 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 wejikhara, njll. Utitjhere kufanele ahlele kuhle yoke imisetjenzana ngokuya ngokweendingo zabantwana bakhe neensetjenziswa ezikhona ngetlasini lakhe.

Isikhala noBujamo yingcenywe eqakathekileko yokuthuthukisa i-iMbalo yomfundi omncani begodu kufanele busatjalaliswe iveke yoke, ngezehlakalo ezithize ezinqophileko ngaphasi kokukhokhelwa ngutitjhere, abafundi banikelwe amathuba amanengi wokwakha, ukudlala 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 obubusobubili (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 iimfundo ezintathu (o.u hlangana kwama-iri ama-4 nama-iri ama-4^½) ngeveke zisetjenziselwa iiNomboro, ama-Opharetjhini noBudlelwano emagreyidini woku -1, wesi-2 nawesi-3. Iimfundo ezimbili eziseleko (o.u hlangana kwama-iri ama-2^½ 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	Inani leemfundo				Inani
		IThemu yoku-1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	
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 abusobubili (2-D)		3		3	6
	Izinto ezibusontathu (3-D)	3		2	1	6
	Ubjamo, 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 ophetheleko			3		3
	lingaba zomzombe wedatha				2	2
Inani leemfundo		40	40	40	40	160

Ithebula 3.3 Inani leemfundo eziphakanyisiweko ngokuya ngeGreyidi yesi- 2

lingaba zokumumethweko	linhloko	Inani leemfundo				Inani
		IThemu yoku-1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	
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	Inani leemfundo				Inani
		IThemu yoku -1	IThemu yesi-2	IThemu yesi-3	IThemu yesi-4	
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 NOBUDLELWANA

COUNTING				
IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
1.1 Ukubala izinto (linganisa begodu ubale izinto ukuthuthukisa umqondonomboro)	Irherho leenomboro kusuka ku: 1-5 <ul style="list-style-type: none"> • Kunye - nakunye – okukhambelanako Ethula Ijhadl Lomsizi kanye nelandelayano lokupha / lokunikela iinqabuli <ul style="list-style-type: none"> • Bala ngakunye - linsetjenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukugida ngenyawo - lintepisi zokukhwela • Ukubala okungakahleleki: Imilozelo neengoma zeenomboro. 	Irherho leenomboro kusuka ku: 1-7 <ul style="list-style-type: none"> • Kunye - nakunye – okukhambelanako. Ukuqinisa Ijhadl Lomsizi ngamalanga <ul style="list-style-type: none"> • Bala ngakunye - linsetjenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukugida ngenyawo - lintepisi zokukhwela • Ukubala okungakahleleki: Imilozelo neengoma zeenomboro. • Wahla izandla kanengi / kambalwa. 	Irherho leenomboro kusuka ku: 1-10 <ul style="list-style-type: none"> • Kunye - nakunye – okukhambelanako. Ukuqinisa Ijhadl Lomsizi ngamalanga. <ul style="list-style-type: none"> • Bala ngakunye - linsetjenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukugida ngenyawo - lintepisi zokukhwela • Ukubala okungakahleleki: Imilozelo neengoma zeenomboro. • Wahla kanengi / kambadlwana: Ngimaphi amawahlo amanengi/ amancani, amanengi khulu / amancani khulu 	Irherho leenomboro kusuka ku: 0-10 <ul style="list-style-type: none"> • Kunye - nakunye – okukhambelanako. Ukuqinisa Ijhadl Lomsizi ngamalanga. <ul style="list-style-type: none"> • Bala ngakunye - linsetjenziswa eziphathekako - Izitho zomzimba - Ukubetha izandla - Ukugida ngenyawo - lintepisi zokukhwela • Ukubala okungakahleleki: Imilozelo neengoma zeenomboro. • Wahla kanengi / kambadlwana: Ngimaphi amawahlo amanengi/ amancani, amanengi khulu / amancani khulu
1.2 Ukubala uye phambili nemuva	Irherho leenomboro kusuka ku: 1 Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba. <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	Irherho leenomboro kusuka ku: 1-4 Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba. <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	Irherho leenomboro kusuka ku: 1-7 Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba begodu nelere yeenomboro. <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye 	Irherho leenomboro kusuka ku: 0-10 Ukubala ungakanaki usebenzisa imidunduzelo yokubala kanye neengoma zokubala, izinto zokubala, izinto ezinobuso obuthathu - 3D, ukubala ngokusikinya umzimba begodu nelere yeenomboro. <p>Bala nga:</p> <ul style="list-style-type: none"> • kunye

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

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
UKULEMUKA INOMBORO 1.4 Ukuhlathulula, ukumadanisa nokuhiela inomboro (ukusebenzisa inomboro ebujaameni obujayelekileko)	Sebenzisa inomboro ebujaameni obujayelekileko <ul style="list-style-type: none"> • Umfundi kufanele azi iminyaka yakhe. • Ukuzalisa irejistara yokuba khona yangamalanga.isib. - Umfundi onetshwayo namkha isithombe se-ayisikhrimu ukhona na namhlanje? - Umfundi onegama lakaSipho ukhona na namhlanje? - Ingabe umfundi onebizo lakaSipho Sibusiso nesibongo sakwaMahlangu ukhona na namhlanje? • Lemuka inomboro eentombeni begodu nemakaradeni wamacatjhazi. • Dlala imidlalo yamakarada weenomboro. 	Sebenzisa inomboro emajameni ajayelekileko <ul style="list-style-type: none"> • Umfundi kufanele azi inomboro yendlu yakwabo begodu nesiphande sakhona • Qinisa ukusejenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma. Isib. - Umfundi abahlala enomborweni yendlu i-123 ukhona na namhlanje? - Umfundi ohlala enomborweni 123 ku Wendy Street ukhona na namhlanje? - Umfundi oneenomboro zomtato/zikamaliledinini 082 123 4567 ukhona na namhlanje? • Bona inomboro eentombeni nemakaradeni wamacatjhazi • Dlala umdlalo wamakarada weenomboro • Bona inomboro eenkhangisweni / emafayeni, emakaradeni wakade welanga lamabeletho. 	Sebenzisa inomboro emajameni ajayelekileko <ul style="list-style-type: none"> • Umfundi kufanele azi iinomboro zomtato wekhabo begodu / nofana zakamaliledinini wekhabo. (iinomboro zokuthintana zomzali) • Qinisa ukusejenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma. Isib.Umfundi ugidinga ilanga lakhe lamabeletho mhlanga amalanga ali-16 kuMatjhi / Ntaka ukhona namhlanje? • Bona inomboro eentombeni nemakaradeni wamacatjhazi • Dlala umdlalo wamakarada weenomboro • Bona inomboro eenkhangisweni / emafayeni, emakaradeni wakade welanga lamabeletho. 	Sebenzisa inomboro emajameni ajayelekileko <ul style="list-style-type: none"> • Qinisa ilwazi elimayelana nomnyaka, inomboro yendlu, isiphande, inomboro yekhaya yomtato / inomboro kamaliledinini (iinomboro zokuthintana) • Qinisa ukusejenziswa kweenomboro ngokuzalisa irejistara yokuba khona yangamalanga njengethemini yokuthoma. <p>Bangaki abafundi abalovileko namhlanje? Singathola njani? Abantwana bacoca ngalokhu:</p> <ul style="list-style-type: none"> - Funisela / Raya; - Bala amalokhara anganalitho; - Bala iinhlobo ezinganabantu njll • Bona inomboro eentombeni nemakaradeni wamacatjhazi • Dlala umdlalo wamakarada weenomboro. • Bona inomboro eenkhangisweni / emafayeni, emakaradeni wakade welanga lamabeletho. • Bona inomboro kibomagazini

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>UMQONDO WENOMBORO (UBUDLELWANO)</p> <p>1.4 Ukuhlathulula, ukumadanisa nokuhlela iinomboro (ukubona nokuhlathulula iinomboro ezizeleko)</p> <p>Madanisa bona ngiliphi lamabuthethelelo amabili wezinto onikelwe wona ezi:</p> <p>a) Okukhulu nokuncani</p> <p>b) Okukhudlwana nokuncazana.</p> <p>c) Okukhulu khulu nokuncani khulu</p> <p>Madanisa bona ngiliphi lamabuthethelelo amabili wezinto onikelwe wona ezi:</p> <p>a) nengi kuna</p> <p>b) ncani kuna</p> <p>c) lingana na (kufana na)</p>	<p>Irherho lenomboro iinomboro ukusukela ku: 1</p> <p>Bona begodu uhlathulule iinomboro ezizeleko kufika kuku-1</p> <p>Madanisa bona ngiliphi lamabuthethelelo amabili wezinto onikelwe wona ezi:</p> <ul style="list-style-type: none"> Okukhulu nokuncani Okukhudlwana nokuncazana. Okukhulu khulu nokuncani khulu (ukukwethula iminqopho) Hlela amabuthethelelo wezinto adlula kwamabili onikelwe wona kusuka kwencaniwkhulu ukuya kwe kulu khulu begodu kusuka kwe kulu khulu ukuya kwencani khulu. <p>• Nengi nambalwa/dlanzana Isb lwahlo eliphekelelako.</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 ukuyakuku-4 	<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>Irherho lenomboro kusukela e: 0 ukuya e-10</p> <ul style="list-style-type: none"> Bona begodu uhlathulule iinomboro ezizeleko kubu-8, 9, ukuya kuli-10 Qinisa iinomboro 0 -10 <p>• Nengi kuna, ncani kuna, lingana na.</p> <p>• Okunengi nokulidlanzana isib. Isb lwahlo eliphekelelako. Buza umbuzo othi ngiliphi ebellinengi khulu / encani khulu</p>

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>iinomboro sikhundla</p>	<p>Thuthukisa ilemuko leenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwesibili, kwesithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> Thula lokhu ngesikhathi Seenqabuli/ sokuphumulaSokwenza imisejenzana yangamalanga begodu nangesikhathi sokuvakajhela ngendlwaneni 1thom, 2 bil, wamaphelelo , olandelako 	<p>Thuthukisa ilemuko leenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwesibili, kwesithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> Ukuqinisa iinomboro sikhundla ngokungaka nakeki ngokusebenzisa imisejenzana yangamalanga yokuya endlini yokuphumela./ encani. Begodu ungasebenzisa isifundo samakghono Wepilo ngesifunjwana Sokuthabulula Umzimba. Begodu nange sifunjwana sobuKghwari Bokuttama(nakukhphonekako) 	<p>Thuthukisa ilemuko leenomboro sikhundla ngokungakanakeki isib. Kokuthoma, kwesibili, kwesithathu, ...kwamaphelelo, okulandelako</p> <ul style="list-style-type: none"> Thula iinomboro sikhundla woku thoma, wesibili, wesithathu, ukufika kowesithandathu. Ukuqinisa iinomboro sikhundla ngokungaka nakeki ngokusebenzisa imisejenzana yangamalanga yokuya endlini yokuphumela./ encani. Begodu ungasebenzisa isifundo samakghono Wepilo ngesifunjwana Sokuthabulula Umzimba. 	
<p>RARULULA IMIRARO ESEBUJAMENI OBUTJHAPHUKILEKO USEBENZISA AMATHEKINIKI ALANDELAKO:</p>				
<p>1.6 Amathekiniki wokurarulula imirato (ukusebenzisa amathekiniki namaqhinga)</p>	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> linsejenziswa eziphathekako isib. izinto zokubala. 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> linsejenziswa eziphathekako isib. Izinto zokubala 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> linsejenziswa eziphathekako isib. izinto zokubala Ilere yeenomboro. 	<p>Sebenzisa amathekiniki alandelako</p> <ul style="list-style-type: none"> linsejenziswa eziphathekako isib. izinto zokubala Ilere yeenomboro eliphathekako

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>1.7 Ukuhlanganisa nokukhupha (ukuralula imiraro yamagama bebahlathulule iinsombululo zabo emirarweni efaka hlangana):</p> <p>a) Ukuhlanganisa nokukhupha ngeempendulo ezifika e-10</p> <p>1.9 Ukubuthethelela nokwabelana okurholela ekuhlukaniseni (Ukwabelana ngokulingana nokubuthethelela ngeenomboro ezizeleko ezifika e-10 ngeempendulo ezifaka hlangana iinsalela.)</p>		<ul style="list-style-type: none"> • Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 2, 3 no 4 ngomlomo. • Qinisa ukurarulula imiraro efaka hlangana iinomboro 1 ukuya ku 4 	<ul style="list-style-type: none"> • Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 5, 6 ne 7 ngomlomo. • Qinisa ukurarulula imiraro efaka hlangana iinomboro 1 ukuya kuli- 7 	<ul style="list-style-type: none"> • Sebenzisa izinto zokubala begodu urarulule imiraro efaka hlangana iinomboro 8, 9 ne 10 ngomlomo. • Qinisa ukurarulula imiraro efaka hlangana iinomboro 1 ukuya e-10

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

• 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 zokubala nofana imino imiqasana – batlhoga izinto zangetlasini ngokwazo. Kusesiquntwini sesibili somnyaka kwaphela lapho utitjhere angasebenzisa khona iinthombe. Izinto eziphathekako kusafanele kuragelwe phambili nokuzisebenzisa - iinthombe zisingezelelo ingasi isijamiselelo sezinto eziphathekako. Amaswazana omileko angasetjenziswa lokha utitjhere nakanganazo iinsetjenziswa.

Imiraro elandelako itjengisa imihlobo yemiraro, begodu kufanele utitjhere ayenze ilungele izinga lokuzwisisa 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, ukuhlanganisa okubuyelelako

Abentwana aba-2 banamehlo amangaki?

Abentwana aba-4 baneendlebe ezingaki?

Mingaki imino esandleni esisodwa?

Mingaki imino ezandleni ezimbili?

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

Abotitjhere kufanele bahlanganise imihlobo ehlukehlukeneko 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-ALJIBHRA				
IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>2.1</p> <p>Amaphetheni weJiyomethri (Kopa begodu ungezelele amaphetheni alula abuyelelako ngokusebenzisa izinto eziphathekako nemigwalo)</p> <p>(Tlana amaphethini okungewakho abuyelelako)</p>	<ul style="list-style-type: none"> Bona amaphethini ezambathweni, kanye nebhodulukweni Kopa begodu uqedelele amaphethini Kopa amaphethini ngokusebenzisa umsikinyeko owenzeka nakusejenziswa amalungu womzimba. Kopa, qedelele begodu utlame amaphethini okungewakho. 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitlamele amaphethini wakho ngokusebenzisa imali yesimbi. 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitlamele amaphethini wakho ngeenthombe. 	<ul style="list-style-type: none"> Kopa, ungezelele begodu uzitlamele amaphethini wakho owezwako (ngokulalela) Kopa iphethini yetjhada Dlala umdlalo we “ Abskoijhi ”

UMBONOMAZOMBE ZEGREYIDI R				
3. ISIKHALA NOBUJAMO (JJIYOMETHRI)				
IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>3.1</p> <p>Ubuja mo, ukujayeza nokubukela</p> <p>Hlathulula into eyodwa ebusontathu 3-D mayelana nobujamo bayo kenye. (isib. Ngemuva nanga phambili)</p>	<p>Ubudlelwana bendawo</p> <p>Ubuja mo bezinto ezimbili nofana ngaphezulu mayelana nomfundi.</p> <ul style="list-style-type: none"> • Phambi kwe nangemuva kwa • Phezulu, ngaphezulu, ngaphasi, naphasi. • Ngaphakathi nangaphandle • Phezulu naphasi • Eduze na, na hangana na. <p>Ukudlala ngaphandle kuqakathekile. Ijangeli jimu ingasetjenziswa ukuqinisekisa/ukuqinisa, isibonelo:</p> <ul style="list-style-type: none"> • Imiqondo yeembalo • UbuKgwari bokuTlama • Ukuthuthuka ngokomzimba 	<p>Ubudlelwana bendawo</p> <p>Ubuja mo bezinto ezimbili nofana ngaphezulu mayelana nomfundi</p> <ul style="list-style-type: none"> • Phezulu nangaphasi 	<p>Ubudlelwana bendawo</p> <p>Ubuja mo bezinto ezimbili nofana ngaphezulu mayelana nenye</p> <ul style="list-style-type: none"> • Phambi kwe nangemuva kwa • Phezulu, ngaphezulu, ngaphasi, ngaphasi • Eduze na • Phakathi • Ngesinceleni begodu ngesidleni • Umsebenzi wephegibhodi <p>Ukuhlathulula izinto emahlangotini ahlukeleko isb, unompopi, indlu ngaphambili, ngamevuva, ngameqadi ukuya ngokuthi umuntu ujame kuphi</p>	<p>Ubudlelwana bendawo</p> <p>Ubuja mo bezinto ezimbili nofana ngaphezulu mayelana nomfundi</p> <ul style="list-style-type: none"> • Ngaphambi kwe nangemva kwa • Phezulu, ngaphasi nofana phasi • Phezulu naphasi eduze na, phakathi • Eduze na, phakathi • Ngesinceleni begodu ngesidleni <p>Ubuja mo bezinto ezimbili nofana ngaphezulu mayelana nenye</p> <ul style="list-style-type: none"> • umsebenzi wephegibhodi • Ngaphambi kwe nangemva kwa • Phezulu, ngaphasi nofana phasi • Phezulu naphasi • Eduze na, phakathi • Ngesinceleni begodu ngesidleni
<p>Landela iinkomba (ayedwa namkha njengelunga lesiqhema) ukukhamba/ ukuzibeka endaweni ethileko(iinkomba tjhuba)</p>	<ul style="list-style-type: none"> • Iinkomba tjhuba – phambili / emuva • Imidlalo efana nokulandela isitimela. • Indlela enenqabo elandela iinkomba • Isifundo sokuzithabulula nemisebenzi yengoma. 	<ul style="list-style-type: none"> • Phambili / emuva • Itjhadi yabotjhobi 	<ul style="list-style-type: none"> • Phambili nemuva • Phezulu naphasi • Ukuya phezulu nokuya phasi • Ngesinceleni nangekudleni • Itjhada libuya kuphi? 	

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>3.2 Izinto ezibusontathu (3-D) (Ukukhumbula, ukubona nokutjho izinto ezibuso buthathu (3-D) ngetlasini):</p> <p>a) iimbholo</p> <p>b) amabhoksi</p>	<ul style="list-style-type: none"> • iimbholo: Thula begodu uhlole iimbholo • amabhoksi: Thula begodu uhlola amabhoksi 	<ul style="list-style-type: none"> • Ukuhlela ukuya ngokufanako nangalokho okuhlukileko • Ubukhulu: hlela izinto ezibusontathu 3-D ngobukhulu. • Umbala: Lemuka nokuhlela izinto zokubala ukuya ngokombala obomvu, olihlaza sasibhakabhaka, otyheli kanye nolihlaza. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala. 	<ul style="list-style-type: none"> • Ubukhulu: hlela ngemihlobo izinto ezibusontathu 3-D ukuya ngobukhulu. • Umbala: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko. 	<ul style="list-style-type: none"> • Ubukhulu: hlela ngemihlobo izinto ezibusontathu 3-D ukuya ngobukhulu. • Umbala: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko.
<p>3.2 Izinto ezibusontathu (3-D) (Ukuhlela, ukulungisa ngemihlobo nokumadanisa izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya nge):</p> <p>a) Ubukhulu (khulu/ncani)</p> <p>b) Umbala (bovu, hlaza sasibhakabhaka, tyheli,)</p> <p>c) Amabumbeko (indulungu, uncantathu, isikwere, uncamane)</p> <p>d) Izinto ezigedekako</p> <p>e) Izinto ezitjhelelako</p>	<ul style="list-style-type: none"> • Thula ijhadi lokuhlwengisa (ukuhlela izinto zokudlala / amathoyisi) • Ubukhulu: hlela ngemihlobo izinto zokudlala ezibusontathu 3-D ukuya ngobukhulu. • Umbala: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala esisekelo. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 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 <ul style="list-style-type: none"> - Lemuka nokuhlola izinto ezitjhelelako - Ukubona nokuhlola izinto ezitjhelelako nezigedekako 	<ul style="list-style-type: none"> • Ukuhlela ukuya ngokufanako nangalokho okuhlukileko • Ubukhulu: hlela izinto ezibusontathu 3-D ngobukhulu. • Umbala: Lemuka nokuhlela izinto zokubala ukuya ngokombala obomvu, olihlaza sasibhakabhaka, otyheli kanye nolihlaza. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko. 	<ul style="list-style-type: none"> • Ubukhulu: hlela ngemihlobo izinto ezibusontathu 3-D ukuya ngobukhulu. • Umbala: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko. 	<ul style="list-style-type: none"> • Ubukhulu: hlela ngemihlobo izinto ezibusontathu 3-D ukuya ngobukhulu. • Umbala: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngemibala. • Ibumbeko: hlela ngemihlobo izinto ezibusontathu 3-D namajamo abobusobubili 2-D ukuya ngamabumbeko.

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>Akha izinto ezibusontathu 3-D ngokusebenzisa imatheriyali ephathekako (isib. Amabhlogo wokwakha)</p>	<p>Okuragela phambili</p> <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudlalwa ngokutjhapuluka ngaphakathi ngamalanga Hlola ngamabhlogo wokwakha 	<p>Okuragela phambili</p> <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudlalwa ngokutjhapuluka ngaphakathi ngamalanga Hlola ngamabhlogo wokwakha 	<p>Okuragela phambili</p> <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudlalwa ngokutjhapuluka ngaphakathi ngamalanga Abafundi abazakhele izakhiwo zabo ngokukopa esibonelweni sokwakha esinikelweko. Kopa isakhiwo esifanako usisusela kudizayini namkha ikarada lesithombe Qinisa ukukopa isakhiwo esifanako usisusela kudizayini nofana ikarada lesithombe 	<p>Okuragela phambili</p> <ul style="list-style-type: none"> Nikela amabhlogo wokwakha namametheriyali wokwakha lokha nakudlalwa ngokutjhapuluka ngaphakathi ngamalanga Okuragela phambili ngesikhathi sokudlala ngokutjhapuluka.
<p>3.3 Ubuja obusobubili (2-D) (Ukukhumbula, ukubona nokutjho ubujamo obubuso bubili (2-D) neenthombe ngetlasini, ukufaka hlanguana): (a) Itshwayo lomfundi (b) Ibizu lesigaba / letlasi</p>	<p>Vumela loyo nalayo mfundi bona azikhethole lakhe ikarada letshwayo elangeni lokuthoma</p> <ul style="list-style-type: none"> Tjengisa kwaphela itshwayo/ isithombe somfundi eenyangeni ezi-3 zokuthoma zomnyaka Ukwethula ibizo letlasi isib. Ngokusebenzisa isithombe. Itlasi “femiqasana” Lebula emnyango wetlasi ibizo likatijhere Lebula utjengise bona itlasi lakwaGreyidi R 	<p>Tjengisa itshwayo/isithombe negama lomfundi eenyangeni ezi-3 ezilandelako.</p> <p>Okuragela phambili</p>	<p>Tjengisa kwaphela igama lomfundi ebulini eenyangeni ezi-6 zokugcina zomnyaka</p> <p>Okuragela phambili</p>	<p>Tjengisa kwaphela igama lomfundi ebulini eenyangeni ezi-6 zokugcina zomnyaka</p> <p>Okuragela phambili</p>
<p>Indlela yokwakha amaphazela Ubuncani: (a) (Ithemu 1: 6 iinquntu) (b) (Ithemu 2: 12 iinquntu) (c) (Ithemu 3: 18 iinquntu) (d) (Ithemu 4: 24 iinquntu)</p>	<p>Amaphazela</p> <ul style="list-style-type: none"> Thula amaphazela unikele nehlahlo/ nebandulo lokuwakha. Cocisanani ngesithombe sephazela ngokuyelela khulu imininingwana efana: nombala, abantu/iinlwana, izinto, indawo lapho abantu / iinlwana zikhona nezinto Abafundi kufanele baqedelela okungaseni iphazela ineenquntu ezisi-6 ekupheleni kwethemu 	<p>Amaphazela (okuragako)</p> <ul style="list-style-type: none"> Nikela imihlobo ehlukehlukeneko yamaphazela ngesikhathi sokudlala ngokutjhapuluka ngaphakathi ngamalanga Abafundi kufanele baqedelele okungaseni iphazela ineenquntu ezili- 12- ekupheleni kwethemu yesi-2 Yenza begodu uqedelele iinquntu ezi-4 zephazela 	<p>Amaphazela (okuragako)</p> <ul style="list-style-type: none"> Nikela imihlobo ehlukehlukeneko yamaphazela ngesikhathi sokudlala ngokutjhapuluka ngaphakathi ngamalanga Abafundi kufanele baqedelele okungaseni iphazela ineenquntu ezili- 18 ekupheleni kwethemu yesi-3 Yenza begodu uqedelele iinquntu ezi-5 zephazela 	<p>Amaphazela (okuragako)</p> <ul style="list-style-type: none"> Nikela imihlobo ehlukehlukeneko yamaphazela ngesikhathi sokudlala nangamalanga The learners should be able to at least complete a 24-piece puzzle at the end of term 4

IINHLOKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>3.3 Ubuja mo obusobubili (2-D) Ukubona isithombe kwesinye isithombe Amabumbeko wejyomethri</p> <p>a) indulungu b) uncantathu c) isikwere d) uncamane e) amajamo angatjhugulukiko (nanyana ubujamo ungabuqalisa kuphi, akutjhuguluki ukuba ijamo lelo)</p>	<ul style="list-style-type: none"> Thula imisejenzana yokubona isithombe kwesinye isithombe (bona izinto “ngiyabona ngelihlo lami”) Thula indulungu Thula uncantathu Thula isikwere 	<ul style="list-style-type: none"> Qinisa imisejenzana yokubona isithombe kwesinye isithombe ngemisejenzana yokuhlela ngamananeko, yokumetjhisana, nemisejenzana yokubuthethelela nokuhlwengisa kwangamalanga. Nikela imihlobo ehluahlukeneko yamaphazela ngesikhathi sokudlala nangamalanga. Qinisa uncantathu Ukubulungwa kobujamo (ukubulungwa ubujamo baboncantathu: bonyana amajamo ahlala anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi. 	<ul style="list-style-type: none"> Qinisa imisejenzana yokubona isithombe kwesinye isithombe ngemisejenzana yokuhlela ngamananeko, yokumetjhisana, nemisejenzana yokubuthethelela nokuhlwengisa kwangamalanga Nikela imihlobo ehluahlukeneko yamaphazela ngesikhathi sokudlala nangamalanga. Qinisa isikwere Ukubulungwa kobujamo (ukubulungwa ubujamo obufundiweko kufika nje: bonyana amajamo ahlala anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi 	<ul style="list-style-type: none"> Qinisa imisejenzana yokubona isithombe kwesinye isithombe ngemisejenzana yokuhlela ngamananeko, yokumetjhisana, nemisejenzana yokubuthethelela nokuhlwengisa kwangamalanga Nikela imihlobo ehluahlukeneko yamaphazela ngesikhathi sokudlala nangamalanga. Qinisa indulungu, uncantathu, isikwere noncamane Thula uncamane Ukubulungwa kobujamo (ukubulungwa ubujamo obufundiweko kufika nje: bonyana amajamo ahlala anjalo nanyana ungawabeka ngayiphi indlela \ ihlangothi
<p>3.4 Isimethri (Ukubona umuda wokubanda phakathi kuye, begodu nebhodulukweni lakhe)</p>	<ul style="list-style-type: none"> Lemuka izitho zomzimba (ngokubala) Ihloko, amehlo, ipumulo, umlomo, isilevu, intamo, amahlombe, umkhono, isandla, imino, isifuba, umlenze, idolo, inyawo, iinzwani Umzimba womuntu unamahlangothi amabili Qinisa ilemuko lokobana umzimba womuntu unamahlangothi amabili isib. ihlangothi langapha nelangale okuzakurholela ngesandleni sesincele nesokudla Ukuvundla umuda ophakathi okufaka hlanguka ukubala. <p>Okungehla kufanele kwenziwe ngesikhathi sokuthuthuka ngokomzimba.</p> <ul style="list-style-type: none"> Ukusebenzisa imidunduzelo neengoma ngesikhathi sobuKghwari bokuTlama. 	<ul style="list-style-type: none"> Ukuvundla umuda ophakathi - ukwenza imisikinyeko. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) Imidunduzelo neengoma Imisebenzi yobuKghwari bokuTlama 	<ul style="list-style-type: none"> Ukuvundla umuda ophakathi – imisebenzi yebhodini Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba) 	<ul style="list-style-type: none"> Ukuthuthukisa iyelelo lokobana kunomuda wokubanda phakathi ezintweni. Ukusebenzisa ukuvundla phakathi ngesikhathi samaKghono wokuPhila (ukuthuthuka ngokomzimba)

UMBONOMAZOMBE WEGREYIDI R				
4. UKUMEDA				
OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>4.1</p> <p>Isikhathi</p> <p>Hlathulula isikhathi semini ukuya nge:emini namkha ebusuku.</p> <p>Landelanisa izehlakalo ezizibuyelelako epilweni yakhe yangamalanga</p> <p>a) Ihlelo langamalanga</p> <p>b) Ithadi lobujamo bezulu</p>	<ul style="list-style-type: none"> Ethula imiqondo yomibili “ imini nobusuku” umkhanyo/ ubunzima Ekuseni, ntambama,namhlanje ebusuku - (ukufunda ngesikhathi sehlelo letjhadhi lobujamo bezulu Ethula ihlelo lelanga <ul style="list-style-type: none"> Abafundi bathola iandanelano lezehlakalo phakathi nelanga. Iinthombe ziyatjengiswa ukusukela ngesinceleni ukufikela ngesidlelani kuthuthukiswa ukufunda. Umrholi welanga ukhambisa ikomba etjhidako lokha imisebenzi esehlweni lelanga iragela phambili Ethula ithadi lobujamo bezulu bangamalanga <ul style="list-style-type: none"> Utijhere uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafetjhiharada la kunamaleyibula namatshwayo ekhalendareni ukujamela iveke Thuthukisa iemkolomqondo wesikhathi Tjengisa amalanga wamabeletho, ukuzikhupha, amalanga akhethekileko, amaholideyi waphakathi kweveke Landelanisa iinyanga zomnyaka ngokusebenzisa ingoma 	<ul style="list-style-type: none"> Ihlelo lelanga (eliragako) <ul style="list-style-type: none"> Qinisa iandanelano lezehlakalo ngelanga elilodwa ngebanga lehlelo lelanga. Ubuja mo bezulu (belanga) <ul style="list-style-type: none"> Utijhere uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafetjhiharada la kunamaleyibula namatshwayo ekhalendareni ukujamela iveke 	<ul style="list-style-type: none"> Ihlelo lelanga (eliragako) <ul style="list-style-type: none"> Qinisa iandanelano lezehlakalo ngelanga elilodwa ngebanga lehlelo lelanga. Ubuja mo bezulu (belanga) <ul style="list-style-type: none"> Utijhere uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafetjhiharada la kunamaleyibula namatshwayo ekhalendareni ukujamela iveke 	<ul style="list-style-type: none"> Ihlelo lelanga (eliragako) <ul style="list-style-type: none"> Qinisa iandanelano lezehlakalo ngelanga elilodwa ngebanga lehlelo lelanga. Ubuja mo bezulu (belanga) <ul style="list-style-type: none"> Utijhere uhlahla abafundi ukuthola ibizo lelanga, inyanga ngengoma nangomdunduzelo, amafetjhiharada la kunamaleyibula namatshwayo ekhalendareni ukujamela iveke

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>4.1 Isikhathi Landelanisa izehlakalo ezizibuyelelako epilweni yakhe yangamalanga</p> <p>c) Amalanga weveke</p> <p>d) Itjhadi leenkathi zonyaka</p>	<p>Amalanga weveke</p> <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunzuzelo ngamalanga weveke. Buyelela ngalanga lokha nakucocwa ngetjhadi lobujamo bezulu - Ukulandelanisa amalanga weveke kusetjenziswa ingoma <p>Itjhadi leenkathi zomnyaka</p> <ul style="list-style-type: none"> - Ethula itjhadi elitjengisa iinkhathi ezine zonyaka: <ul style="list-style-type: none"> o Ihlobo o Siruthwana o Ubusika o Silimela 	<p>Amalanga weveke (Okuragako)</p> <ul style="list-style-type: none"> - Utijhere ufundisa abafundi ingoma namkha umdunzuzelo ngamalanga weveke. Buyelela ngalanga lokha nakucocwa ngetjhadi lobujamo bezulu <p>Itjhadi leenkathi zonyaka</p> <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholidiyei weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholidiyei. - Ukuthuthukisa ilemuko lalokho umfundi akwenzako kesinye nesinye isikhathi kusukela nakavukako bekube kula aya khona esikoleni. - Thuthukisa ilemuko lalokho okwenzekako hilangana nesikhathi sokudla kwantambama nesikhathi sokulala. <p>Okuragako lokha kulilanga lamabeletho lomfundi</p> <ul style="list-style-type: none"> • Okuragako lokha kulilanga lamabeletho lomfundi • Okuragela phambili 	<p>Amalanga weveke (Okuragako)</p> <ul style="list-style-type: none"> • Amalanga weveke (Okuragako) <p>Itjhadi leenkathi zomnyaka</p> <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zonyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholidiyei weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholidiyei. <p>Okuragako lokha kulilanga lamabeletho lomfund.</p> <ul style="list-style-type: none"> • Okuragako lokha kulilanga lamabeletho lomfund. • Okuragela phambili 	<p>Amalanga weveke (Okuragako)</p> <ul style="list-style-type: none"> • Amalanga weveke (Okuragako) <p>Itjhadi leenkathi zomnyaka</p> <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zomnyaka zanje iyatjhidiswa lokha iinkathi zonyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholidiyei weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholidiyei. <p>Okuragako lokha kulilanga lamabeletho lomfundi</p> <ul style="list-style-type: none"> • Okuragako lokha kulilanga lamabeletho lomfundi • Okuragela phambili
<p>Ethula itjhadi lelanga lamaBeletho</p> <p>Abafundi kumele bazi iminyaka yabo</p> <p>Thuthukisa ilemuko lokobana nasifundako sisuka kuphi siye kuphi.</p> <p>Abafundi kumele bazi amalanga wabo wamabeletho(ilanga nenyanga)</p>	<p>Amalanga weveke (Okuragako)</p> <ul style="list-style-type: none"> • Amalanga weveke (Okuragako) <p>Itjhadi leenkathi zomnyaka</p> <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zonyaka zanje iyatjhidiswa lokha iinkathi zomnyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholidiyei weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholidiyei. <p>Okuragako lokha kulilanga lamabeletho lomfund.</p> <ul style="list-style-type: none"> • Okuragako lokha kulilanga lamabeletho lomfund. • Okuragela phambili 	<p>Amalanga weveke (Okuragako)</p> <ul style="list-style-type: none"> • Amalanga weveke (Okuragako) <p>Itjhadi leenkathi zomnyaka</p> <ul style="list-style-type: none"> - Itjhobi elitjengisa iinkhathi zomnyaka zanje iyatjhidiswa lokha iinkathi zonyaka nazitjhugulukako. - Ilanga lokuthoma ngemuva kwamaholidiyei weenkolo utijhere kumele abuze abafundi bona bebenzani ngesikhathi samaholidiyei. <p>Okuragako lokha kulilanga lamabeletho lomfundi</p> <ul style="list-style-type: none"> • Okuragako lokha kulilanga lamabeletho lomfundi • Okuragela phambili 		



OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>4.2 Ubude</p> <p>Madanisa ngokuphathekako begodu uhlele ngemihlobo izinto ngokusebenzisa ilwazi magama eifaneleko ukuhlathulula ubude.</p> <ul style="list-style-type: none"> Ethula ijhadi lobude Meda ngezandla (Ngokucala begodu ngokungakahleleki) Meda ngemithala yeenyawo (Ngokucala begodu ngokungakahleleki) Meda ngetheyipu yokumeda (Ngokucala begodu ngokungakahleleki) de, fitjhani denyana, fitjhazana linganisa 	<p>ubude</p> <ul style="list-style-type: none"> ede nefitjhana (ngokucala) Ethula umqondo wobude Ijhadi lobude ngerzandla / ngeenyawo 	<p>ubude</p> <ul style="list-style-type: none"> Ede khulu begodu nefitjhana khulu, edanyana begodu nefitjhazana (hlohisisa ubude) Qinisa umqondo wobude Abafunda bathola bona bakhule kangangani solokho kwethemu edlulileko <p><i>(Abafundi bangamadanisa ubude babo nokhanye okungetlasini isb. ikhabethe)</i></p>	<p>ubude</p> <ul style="list-style-type: none"> Linganisa ubude bezinto ezihlukahlukenekoa Linganisa begodu umadanise ubude bezinto ezihlukahlukeneko ngokusebenzisa iinyawo, izandla, intanjana ,isigojwana njl. 	<p>ubude</p> <ul style="list-style-type: none"> Meda ubude babafundi ngetheyipu yokumeda (jamiselazandla ngaetheyiphu yokumeda)

OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>4.3 Ubungako/ubudisi Sebenza ngokumadanisa ngokuphathekako begodu nokuhlela izinto ngemihlobo ngokusebenzisa ilwazi magama elifaneleko ukuhlathulula okulandelako:</p> <p>a) Lula/budisi b) Ludlana / budisana c) Ragela phambili lokha nakudlalwa umdlalo wesanda namanzi</p>			<p>Ubudisi</p> <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) 	
<p>4.4 Umthamo/ivolumu Sebenza ngokumadanisa ngokuphathekako begodu nokuhlela izinto ngemihlobo ngokusebenzisa ilwazi magama elifaneleko ukuhlathulula okulandelako:</p> <p>a) Nganalitho , zeleko b) Nengi / ncani c) ncani kuna / nengi kuna d) Ragela phambili lokha nakudlalwa ngamanzi nangesanda.</p>			<p>Umthamo/ivolumu</p> <ul style="list-style-type: none"> Ethula umqondo wokumeda umthamo ngokumadanisa bona iimathathi ezihlukileko zithath umthamo ongangani <ul style="list-style-type: none"> Nganalitho / zeleko Nengi kuna/ ncani kuna Ragela phambili ngesikhathi sokudlala ngamanzi begodu nangesikhathi sokudlala esandeni. 	































IIMBALO ZEGREYIDI R 5. UKUPHATHWA KWELWAZI				
OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>5.1 Ukubuthelela nokuhlela izinto ngemihlobo</p> <p>Buthelela idatha Buthelela izinto ezithintekako zemihlobo efanakofanako (ayedwa begodu/ namkha njengelunga lesiqhema) isb.amakari ali-10, amajamo ali-10</p> <p>Ukuhlela idatha Hlela izinto ezithintekako ukuya ngakunye okuphawulekako isib. Ubukhulu bekari.</p>	<ul style="list-style-type: none"> Ethula umqondo wokuphatha idatha ngokubuthelela idatha yokobana bangaki abesana begodu bangaki abentazana abangetlasini. Hlela idatha ngokuvumela abafundi bona bajame ereyini labesana namkha labentazana 	<ul style="list-style-type: none"> Buthelela izinto (amagatja wobukhulu obuhlukeneko) Hlela izinto ezibuthelileweko (amagatja wobukhulu obuhlukeneko) 	<ul style="list-style-type: none"> Buza umbuzo: “ Kghani amabizo anamaledere asithandathu aqakathekille na?” Buthelela idatha ukuphendula imibuzo le ngokusebenzisa amakarada wamabizo wabafundi Hlela amakarada wamabizo ukuya ngenomboro yamaledere walelo nalelobizo. 	<ul style="list-style-type: none"> Sebenzisa ijihadi yamalanga wamaBeletho ukuthola bona bobani ababelethwe ngenyanga yiphi Buthelela ilwazi ebandini ukuthola umbala wedaka lokudlala elizokusebenzisa ngeveke elandelako. Isb, ohlaza sasibhakabhaka, otjheli , ohlaza njli <p>Buthelela idatha (Ngimuphi umhlobo weenkhwelo abafundi abawusebenzisako nabeza esikolweni)</p> <ul style="list-style-type: none"> Hlela idatha ngokuya ngeenyanga ezifaneleko zamabeletho wabafundi. Omunye nomunye umfundi ukhetha ibhlogo linye elijamele umbala awukhethileko wedaka lokudlala leveke. Hlela idatha ebuthelileweko (abafundi abakhamba ngeenyawo, abeza ngeteksi, ngemodere yabazali bakhe natabo abeza ngebhesi.)
<p>5.2 Ukujamiselela ibuthelelo lezinto elihlekileko.</p> <p>(Gwala amagrafu ukutjengisa idatha. Gwala isithombe njengerekhodo lezinto ezibuthelileweko)</p>	<ul style="list-style-type: none"> Yenza isitjengiso segrafu esibonisa idatha usebenzisa amabhlogo namkha amajamo 	<ul style="list-style-type: none"> Gwala igrafu yezinto ezibuthelileweko (amagatja wobukhulu obuhlukeneko) 	<ul style="list-style-type: none"> Gwala igrafu ngokunamathisela lelo nalelo karada lebizu ngaphasi kwekholumu elifaneleko 	<ul style="list-style-type: none"> Gwala igrafu ejamile amalanga wamabeletho kienye nenye inyanga Sebenzisa izinto zamambala ukwenza igrafu njemgamabhlogo, amakhyubhu abuthelileweko, iLego, nofana amabhlogo we Duplo ajamele imibala yehlama yokudlala ohlele ukuyenza isib. Hlaza sasibhakabhaka, ijheli, nokuhlaza. Gwala igrafu yeenthombe ejamele abafundi abakhamba ngeenyawo, abeza ngeteksi, ngemodere yabazali bakhe natabo abeza ngebhesi.


OKUMUMETHWEKO	ITHEMU 1	ITHEMU 2	ITHEMU 3	ITHEMU 4
<p>5.3 Coca bewubike ngokuhlelwa kwezinto ezibuthelweleweko Funda begodu uhlahlulele amagrafu Phendula imibuzo esekelwe esithombeni sakhe namkha ezintweni zakhe ezihlukaniswe ngemihlobo (isib. "Makari amangaki amakhulu owagwalileko? Ngimaphi amakari amanengi, amakhulu nofana amakari amancani?)</p>	<ul style="list-style-type: none"> • Ukufunda nokuhlathulula idatha ngokusebenzisa ibumba lokudlala ukwenza isijamiselo senani labentazana nabesana bangetlasini. 	<ul style="list-style-type: none"> • Ukufunda nokuhlathulula igrafu kusejenziswa imibuzo 	<ul style="list-style-type: none"> • Ukufunda nokuhlathulula idatha ngokubala amakarada weenomboro kelinye nelinye ikholomu nokufinyelela esiquntweni. 	<ul style="list-style-type: none"> • Ukufunda nokuhlathulula amagrafu kusejenziswa imibuzo ukuthola bona ngiyiphi inyanga enamalanga wokubelethwa amanengi. • Ukuya ngokukhetha kwabafundi, umbala wehlama yokudlala weveke uzakuba tjheli. • Funda nokuhlathulula amagrafu (bangaki abakhambako, abeze ngeteksi, ibhesi, njll.)

3.5 AMANOTHI ATHLADHLULA OKUMUMETHWEKO EGREYIDINI R

IGREYIDI R IIMBALO: ITHEMU 1		
Iveke 1 Ukuzijayeza	Amanothi wokuthadhlula	Ukulinganisa ubude besikhathi
Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		
Iinhloko	Amanothi wokuthadhlula	Iinsetjenziswa eziphakanyisiweko
4.1 Isikhathi	<p>Ukulandelanisa izehlakalo ezizibuyelelako ebuphilweni bakho bangamalanga</p> <ul style="list-style-type: none"> • Ukwethula Ihlelo Langamalanga <ul style="list-style-type: none"> - Ukuthuthukisa ukulandelana kwezehlakalo ngelanga eilodwa - Iinthombe ziyakhangiswa kusuka ngesinceleni ukuya ngakwesokudla. - Umrholi welanga ukhambisa utjhozi okhambako kusukela ngesinceleni ukuya ngakwesokudla njengoba imisebenzi yangamalanga irageta phambili. - Abafundi balemuka ukulandelana kwezehlakalo emini. 	Ihlelo langamalanga likhonjiswe ngendlela yeenthombe Ngamalanga
IHLELO LANGAMALANGA ELIPHAKANYISIWEKO		
AANKOMS		
Iregista, amalanga wamabeletho', ubujamo bezulu, iindaba.	Ukurholwa ngutijhere imisetjenzana yangetlasini, UbuKghwari ObuBonakalako nokudlala utjhaphulukile ngetlasini	Ukurholwa ngutijhere limisetjenzana yangetlasini,
Ukudlala utjhaphulukile ngaphandle noku Butha / nokuhlwengisa	Ukubutha	Ukuya ngendlwaneni kwangamalanga
Isikhathi seenqabuli	Ukurholwa ngutijhere imisetjenzana yangetlasini nendatjana	Ukuphumula
	Ukuya ngendlwaneni kwangamalanga	Ukukhamba

Iveke 1 Ukuzijayeza	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemBalo ngeveke)	
Iinhloko	Amanothi wokuthadhlhula	Iinsetjenziswa eziphakanyisiweko Ukulinganisa ubude besikhathi
<p>Tjheja:</p> <ul style="list-style-type: none"> • Ukuthulwa kokumumethweko kuzakulawulwa sikhathi esinikelweko Ehleweni Langamalanga. • Ihlelo Langamalanga liyatjhunguluka, isibonelo, Ukuya ngendlwaneni kwangamalanga kungatjhidiselwa eenkathini ezihlukahlukene kuye ngokobujamo nendawo lapho isikolo leso sikhona. • Khangisa ngawo ke amatjhadi wendlela yekambiso yangamalanga kwaphela lokha nasele athuliwe. • ikholomu lamanothi wokuhlathulula alikatiolwa ngokulandelana kwemisebenzi ngelanga, kodwana ngokuya ngalokho okumumethweko. Ngalokho ke kufanele ukhethe bona umsebenzi othile uzakwenziwa ngaliphi ilanga. • Kezinye iimveke kunemisebenzana edlulako kwemihlanu. Lokhu kwenzelwe kuphela bona ube nemisebenzi elingeneko ongakhetha kiyo begodu akutjho ukuthi kufanele uyenze yoke imisebenzi efakiweko. 		
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro</p>	<ul style="list-style-type: none"> • Thula ukuya ngendlwaneni kwangamalanga <ul style="list-style-type: none"> - Thuthukisa ilemuko lokulandelanisa / ukurhemisa ukuya ngendlwaneni kwangamalanga isib. (thoma ngokusebenzisa indwana encani , bese uhlamba izandla, vala ipompi bese usula izandla njll). - Thuthukisa ilemuko leenomboro sikhundla isib. uLulu ngowokuthoma, uJuda ngowesibili njll. 	<p>Isibha , itjhila lokuhlamba lindlwana zokuphumela Amanzi agijimako</p> <p>Ngemva kokuthi ukuya ngendlwaneni kwangamalanga sele kuthuliwe, umsetjenzana lo wenziwa ngamalanga</p>

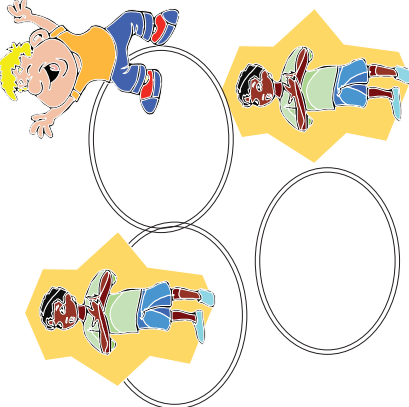
<p>Iveke 1 Ukuzijayeza</p>	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemBalo ngeveke)</p>		<p>Ukulinganisa ubude besikhathi</p>																								
<p>linhloko</p>	<p>Amanothi wokuthadhlhula</p>	<p>3.2 Izinto ezibobusontathu (3-D)</p> <ul style="list-style-type: none"> • Ukwethula itjhadi lokubutha nokuhlwengisa <ul style="list-style-type: none"> - Ukwakha iinqhenyana ezincani zokusebenza. - Ukuthuthukisa ukurhemisa nokuhlela ngemihlobo kweensetjenziswa. <p>Hlukanisa inani labafundi ngetlasini lakho ngokuya ngokweendawo ezibunane zokuhlwengeka. Esinye nesinye isiqhema kufanele sithathe isiqinto sokuziphendulela ekuhlwengiseni indawo ngokudhlegana, njalo ngeveke.</p> <p>Hiathulula, hlukanisa ngemihlobo, umadanise izinto ezibusontathu (3-D) ngokuya:</p> <ul style="list-style-type: none"> • ngobukhulu • ngombala • ngezinto ezigedekako • ngezinto ezitjhelelako 	<p>linsetjenziswa eziphakanyisiweko</p> <p>itjhadi lokubutha nokuhlwengisa</p> <table border="1"> <tr> <td></td> <td>Hlanza immumathi zepende nama bhrajhi</td> <td></td> </tr> <tr> <td></td> <td>Butha begodu uhlwengise ihugwana yeencwadi</td> <td></td> </tr> <tr> <td></td> <td>Paka ususe amabhlogo</td> <td></td> </tr> <tr> <td></td> <td>Thanyela iphasi / ifluru</td> <td></td> </tr> <tr> <td></td> <td>Butha begodu uhlwengise ihugwana yendlu</td> <td></td> </tr> <tr> <td></td> <td>Paka ususe amaphazeli</td> <td></td> </tr> <tr> <td></td> <td>Butha begodu uhlwengise itafula lezobukghwari</td> <td></td> </tr> <tr> <td></td> <td>Sula amatafula ahlwengeke.</td> <td></td> </tr> </table>		Hlanza immumathi zepende nama bhrajhi			Butha begodu uhlwengise ihugwana yeencwadi			Paka ususe amabhlogo			Thanyela iphasi / ifluru			Butha begodu uhlwengise ihugwana yendlu			Paka ususe amaphazeli			Butha begodu uhlwengise itafula lezobukghwari			Sula amatafula ahlwengeke.	
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	Sula amatafula ahlwengeke.																										

Iveke 1 Ukuzijayeza	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi wokuthadhlhula	linsetjenziswa eziphakanyisiweko
1.1 Ukubala izinto	<p>Thula itjhadi lomsizi nendlela / ukulandelana iinqabuli okufanele ziphakelwe ngayo Linganisa bewubale izinto ukuthuthukisa inomboromqondo ngoku:</p> <ul style="list-style-type: none"> - Itjhadi lomsizi lisetjenziselwa ukuthola umsizi welanga okufanele athlogomele itafula ngesikhathi sokuqabula. - Indulungu ezi 5 ezisetjhadini lomsizi zijamele iinqhema ezihlana okuhlukaniswe ngazo abafundi, isibonelo, isiqhema sezibovu, isiqhema sokuhlaza sasibhakabhakha, isiqhema sokusarulani, isiqhema sezililaza nesiqhema sezokusalamune. Ungasebenzisa godu neentsheloh ezahlukahlukeneko / iiniwana / iinkhwelo, njll. - Itshwayo lomfundi ngamunye lifakwa ngaphakathi kwendlungu akiyo. - Ukujikisa utjho obojhelelwe phakathi nendawo endlungwini ngayinye kuzakutjho bona umrholi ngubani esiqhemeni. Kuyadhiqwana ngamalanga ngokuba umrholi wesiqhema ukwenzela bona omunye nomunye umfundi alithole ithuba lokuba mdosi phambili / umrholi wesiqhema. - Umrholi wesiqhema ubala inomboro yabafundi abakhona esiqhemeni nezitja zokudla ngokuya ngenomboro yabafundi abakhona esiqhemeni sakhe ngelanga lelo. (kunye nakunye okukhambelanako). 	<p>Itjhadi lomsizi</p> 
3.3 Ubujamo obubusobubili (2-D)	<p>Ukukhumbula , ukubona nokutjho ngamagama ubujamo obubusobubili na /nofana iinthombe ezingetlasini</p> <ul style="list-style-type: none"> - Amatshwayo wabafundi • Vumela abafundi ngamunye bona bakhethe amakarada wamatshwayo okungewabo. <ul style="list-style-type: none"> - Lungisa indawo yokukhangisa ngobuciko bezobukhwan kube netshwayo lomunye nomunye umfundi (isithombe nofana umfanekiso). - Namathisela itshwayo elokhareni yomunye nomunye umfundi. - Vumela abafundi bona bakhombe amalokhari wabo ngokuwafanisa namatshwayo wabo. - Kunupela amatshwayo anamagama ezambathweni zabafundi. - Abafundi babona amatshwayo wabo newabangani babo ngokudlala imidlalo ezakukhuthaza abafundi bona babone amakarada wamatshwayo ahlukahlukeneko isib. Abafundi bahlala benze indulungu utijhere akhangise ngamatshwayo woke begodu abawe abafundi bona bakhethe amatshwayo wabo. - Iinthombe ezincani zabafundi zingasetjenziswa nazo njengamakarada wamatshwayo, lokha nazikhona. - Igama letlasi • Khuphula umqondo wokobana abafundi bangabesiqhema esisodwa esikhulu ngokwethula igama letlasi isib ngokusebenzisa isithombe – “Itlasi lakanoMpopi we Bhere”. <ul style="list-style-type: none"> - Abafundi kufanele bazi negama lakattijhere wabo. 	<p>Lokha abafundi nabafikako ngelanga lokuthoma .</p> <p>Amakarada anamatshwayo womfundi ngamunye.</p> <p>Yenza amakarada ngeenthombe zamatshwayo.</p> <p>Amalokhara, amabhoksi nofana iinhugu magega neboda kufanele zitshwaywe ngetshwayo lomfundi.</p> <p>Amalebula wamaGreyidi R:</p> <p>Isithombe setlasi esibekwa emnyango. Ilebula elinebizo lakattijhere nesibongo</p>

Iveke 1 Ukuzijayeza	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
linhloko	Amanothi wokuthadhlhula		
Tjheja: <ul style="list-style-type: none"> • Khangisa itshwayo / isithombe somfundi kuphela eenyangeni zokuthoma ezi 3 zonyaka. • Khangisa itshwayo / isithombe begodu negama lomfundi eenyangeni ezilandelako ezi 3. • Khangisa igama lomfundi kuphela elebuleni eenyangeni ezisi-6 zokugcina zonyaka. • Lisa / tjhiya elisemnyango unyaka woke. • Illebula enegama lakatitjhere. • Illebula etjengisa bona yiGreyidi R 			

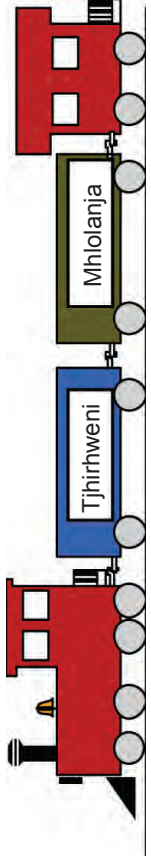
Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlhulako.		
1.1 Ukubala 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 nemilolozelo Nanyana abafundi banganawo umqondo weenomboro lokha nabangena eGreyidini R, kufanele bona bakhuthazwe bona bavume imilolozelo neengoma zeenomboro begodu benze ukubala okungakahleleki ngamalanga.	Amaculo nemilolozelo yeenomboro Ngamalanga	

Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athladhulako.	Iinsetjenziswa eziphakanyisiweko
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro</p>	<p>Madanisa bona ngiliphi lamabuthelolelo amabii wezinto onikelwe lona elikhulu nelincani</p> <ul style="list-style-type: none"> • Thula/Yazisa umqondo wokukhulu nokuncani Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Abafundi bathola umqondo wokuthi kukhulu nokuthi kuncani ngokutshopha imizimba yabo bazenze babe bancani ngendlela okukhona ngayo begodu bazithabulule babe bade / bakhulu ngndlela abangakhona ngayo. - Abafundi abamadanise izandla zabo nezabangani babo ukubona bona ngezakabani izandla ezikulu nofana ezincani. - Madanisa isandla sakatitjhere nesomfundi. - Madanisa umkhono katitjhere nowomfundi. <p>Hlathulula, hlela ngemihlobo begodu umadanise izinto ezibusontathu (3-D) nobujamo obubusobubili (2-D) kuya ngama sayizi</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Yenza iimbholo ezikulu nezincani ngehlaya yokudlala. - Thola izinto ezikulu nezincani ngetlasini. Meregga / tshwaya izinto ezikulu ngeentikara ezibovu nezinto ezincani ngeentikara ezisarulani. Khulurmani ngama sayizi ahlukahlukeneke wezinto. - Hlela ngemihlobo izinto ezikulu nezincani ngokuya ngamasayizi. <p>Ezipheze ziphatheke usebenzise ubujamo obubusobubili (2-D)</p> <p>Sebenzisa umqondo wokukhulu nokuncani ngesikhathi somsebenzi wobukghwari ngoku:</p> <ul style="list-style-type: none"> - Ukufuna iinthombe zezinto ezikulu nezincani bese niyazisika. - Abafundi abagadangise izandla zabo bese bayazisika. Beka esinye phezu kwesinye. Bona ukuthi ngezakabani izandla ezikhulu nokuthi ngezakabani ezincani. - Hlukanisa iphepha ka 2. - Namathisela zoke izinto ezincani ehlangothini elinye lephepha nalezo ezikulu ngakelinye ihlangothi. 	<p>ilanga eli-1</p> <p>Abafundi</p> <p>Ihlama yokudlala Izinto ezikulu nezincani</p> <p>Abomagazi , amaphephandaba, imikhangiso , iinkere</p> <p>Amaphepha we A3 , Amakhrayoni</p>

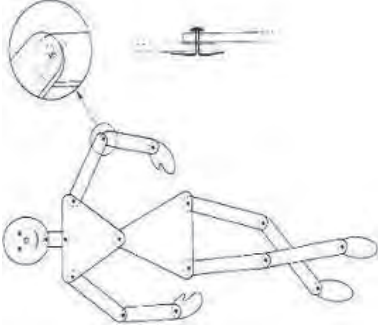
Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi	
Iinhloko	Amanothi athladhululako.	Insetjenziswa eziphakanyisiweko	
<p>3.1 Ubujamo, ukujayeza nokubukela</p>	<p>Amanothi athladhululako.</p> <ul style="list-style-type: none"> • Hlathulula ubujamo / Indawo lapho kunezinto ezimbili nofana ngaphezulu lokha nawuyihlobanisa nomfundi ngaphakathi nangaphandle Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Nikela umntwana ngamunye "iwupsi". (Utijhere utjengisa abafundi ngokwenza umdlalo nabo begodu atjho amagama: ("ngaphakathi no ngaphandle"). Kufanele beqele ngaphakathi kwe wupsi begodu beqele ngaphandle lokha utijhere abanikela umlawo wokwenza njalo. - Jama ngenyawo elilodwa ngaphakathi kwe wupsi begodu elinye libe ngaphandle kwe wupsi. - Thatha ibhoksi bese abafundi beqela ngaphakathi nangaphandle kwalo begodu bacocisane ngokuthi lo oweqako weqela ngaphakathi / ngaphandle - Ukweqela ngaphakathi nangaphandle kwamatayere njengencenye yomsebenzi wokuthuthuka ngokomzimba. - Ukweqa bangene begodu baphume ngewupsini bavale amehlo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Bafake unodoli (umntwana) ngaphakathi begodu bamukhuphe ngekhothini / embhedeni - Baphosele ibholo / umgodlana wamabhonjisi ngaphakathi kwe wupsi / tayere. - Basebenzise idaka baligede balenze ibholo bese baligandelele libe sipara (indlwana yenyoni);geda iimbholo ezidlulako kwe yodwa (amaqanda) begodu uwafake ngaphakathi / uwakhuphe ngendlwaneni lokha utijhere akulayela bona wenze njalo. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Baqale isithombe babone bona bangathola izinto ezitjengisa umqondo othi ngaphakathi nothi ngaphandle. - Bazigwale bona bangaphakathi nofana naphandle kwe wupsi / bhavu / njll. 	<p>Amawupsi</p> 	<p>ilanga eli-1</p>

Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athhadhlulako.	Insetjenziswa eziphakanyisiweko
<p>3.2 Izinto ezibusontathu (3-D)</p> <p>Ukwakha izinto ezibusontathu 3-D usebenzisa umatheryali ophathekako</p> <ul style="list-style-type: none"> • Hloa ikghonakalo yeendlela ezinengi zokwakha ngamabhlogo ngesikhathi sokudlala utjhaphulukile ngendlini <ul style="list-style-type: none"> - Indima edlalwa ngutijhere kulamula emdlalweni lo. - Hloa ikghonakalo yeendlela ezinengi zokwakha ngamabhlogo ngokululeka abafundi bona bakhe imakhiwo ethabaleleko (eplada), nemakhiwo ejame nwe (imibhojhonbo), imakhiwo ephozulu naphasi - Hlela ngemihlobo begodu urhemise amabhlogo ahlukahlukeneko ngokumadanisa ubujamo obufanako. - Hlela ngemihlobo begodu urhemise imihlobo ehluahlukeneko yamajamo ngokuwamadanisa ngokuqala ukulingana kwamasayizi. - Hlela ngemihlobo amabhlogo ngokuqala ukuthi likhulu nokuthi iincani. - Umfundi ngamunye uthola amabhlogo ama 3 abuncamane bese bawahlela ngezindlela ezinengi ngokungakhoneka ngakho isib. Ukuwa beka ngomuda , ukuwapaka ngeendlela ezahlukahlukeneko. Abafundi banga madanisa begodu bakope imakhiwo yabanye begidu babelane amabhlogo ngababii ngababii ukubayelelisa khudlwana ngobujamo. - Thuthukisa ukubuthwa kwamabhlogo wokwakha ngendlela kuhlathululwe ngayo ngemva kwetjhelufu ngokumadanisa ngendlela kuhlathululwe ngayo. 	<p>Amabhlogo kufanele apakwe ematjhelufini, ngendlela amabhlogo ahlukahlukeneko ahleleke ngayo ngemva kwe tjhelufu.</p> <p>Iinsetjenziswa ezingezeleliweko okufana nemidwebo emincani (iinthombe / ubuso obunamathiselewe ngama pheksi wezambatho) immodoro zokudlala, iinlwana zepulasini, amatshwayo wendlela njll. kufanele zenziwe zibekhona.</p>	<p>ilanga eli-1 begodu ubuyelele ngesikhathi sokutjhaphulukaka ngamalanga woke</p>





Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athhadhululako.	Iinsetjenziswa eziphakanyisiweko
<p>3.2 Izinto ezibobusontathu (3-D)</p>	<p>• Hlathulula, hlela ngemihlobo begodu umadanise izinto ngokuya ngemibala esisekelo, hlaza sasibhakahaka, bovu nosarulani</p> <p>Bonisa umbala munye kuphela ngesikhathi esisodwa. Ungahlobanisi umbala owodwa nobujamo obubodwa.</p> <p>Hlukanisa abafundi babe ziinqhema ezi 5.</p> <p>Nikela isiqhema ngasinye iwobhi lezinto ezibusontathu 3-D namabumbeko abobusobubili 2-D.</p> <ul style="list-style-type: none"> - Utitjhere uthula umbala ngamunye ngokuphakamisa ikarada elinombala lowo afuna bona abafundi bawazi isib. Ohlaza sasibhakahaka. Buyelela godu ngeminye imibala. - Abafundi abahlele ngemihlobo izinto ezibusontathu 3-D nobujamo obubusobubili 2-D ngokuya ngamakarada akhonjisiweko. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Kunupela indulungu ezimibala ehlukehlukeneko (bovu, sarulani, hlaza sasibhakahaka) ezisikwe emakhadibhodini eemfubeni zabafundi. - Abafundi bazihlela ngokwabo ngokuya ngemibala ehlukehlukeneko. - Ngibonise iindlebe zakho begodu uzibale. Zingaki? Zinengi ngayinye? Asizibale. - Ngibonisazakho.? 	<p>Imihlobohlobo ehlukehlukeneko yezinto ezibusontathu 3-D namajamo/iinthombe ezibusobubili 2-D ngetlasini isib. Iimvalo zamabhodlelo, amabhlogo we Lego, ubujamo bemibalabala bama Logi njll.</p> <p>Amarada wemibala olinhlaza sasibhakahaka, obovu, osarulani</p> <p>Imihlobohlobo yobujamo obubusobubili 2-D nezinto ezibusontathu 3-D.</p> <p>Iindulungu ezisikwe emakhadibhodini alungiselelwe ngutitjhere, ezibovu , sarulani nezihlaza sasibhakahaka.</p>
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utitjhere ubizela abafundi abahlanu ngaphambili bese anikele omunye nomunye into ebusontathu 3-D engafani neyabanye bona baziphathe ngezandla zabo. - Abanye abafundi basala bahlezi phasi eenqhemeni zabo kuthi amawobhi wezinto ezinobuso obuthathu 3 –D zibe phakathi neentafula zabo. - Umfundi wokuthoma ongaphambili uphakamisa into yakhe enobuso obuthathu 3-d isib. Ibhlogo elihlaza sasibhakahaka nofana indulungu esarulani enobujamo be Logi, nofana amaphazeli njll. - Abafundi abasematafuleni bahlela ngemihlobo izinto ezihlukehlukeneko ezinobuso obuthathu 3-D ngokuya ngokuthi umfundi uphakamise ini. <p>Ezipheze ziphatheke usebenzise ubujamo obubusobubili (2-D)</p> <ul style="list-style-type: none"> - Utitjhere ulungisa amapende wemino ngaphambi kwesikhathi. - Abafundi bagwala amajamo ependeni basebenzisa imino yabo. - Gandlela/gadangisa ubujamo obubusobubili 2-D begodu ubupende. 	<p>Imihlobohlobo yezinto ezibusontathu 3-D ezibuthelelwe ngaphambi kwesikhathi bezabekwa phakathi kwesiqhema ngasinye.</p> <p>Iresebhe yamapende wemino:</p> <ul style="list-style-type: none"> 1 ikomitji yeflowuru 1 ikomitji yetjhukela 3 amathosi wedayi yokudla/ pende yepuyere 5 iinkomitji zamanzi abilako (rura amanzi angene kancani kancani)



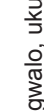




Iveke 2 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) ya ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalo ngeveke)	
linhloko	Amanothi athladhulako.	Insetjenziswa eziphakanyisiweko Ukulinganisa ubude besikhathi
<p>4.1 Isikhathi</p> <p>Ukulandelanisa izehlakalo ezizibuyelelako zobuphilo bakhe bangamalanga</p> <ul style="list-style-type: none"> - linyanga zonyaka - Isikhathi <ul style="list-style-type: none"> • Ukwethula itjhadi lamaLanga wamaBeletho <ul style="list-style-type: none"> - Tlana itjhadi elimibalabala lamaLanga wamaBeletho ,isib isitimela esinatrogisi ali 12 (ukwenzela inyanga enye nenyene) – inyanga zilandelaniswa kusukela ngesinceleni ukuya ngakwesokudla ematrogisini. Beka igama netshwayo / isithombe somunye nomunye enyanga enyanga efaneleko yamabeletho. - Thuthukisa ilemuko lomqondo wesikhathi isib. iinyanga zonyaka ngokuvuma amagama weenyanga begodu bakhombe igama lenyanga. - Thuthukisa ilemuko letjhuba lokufunda isib. Khangisa ngelebula yenyanga ngayinye yonyaka ereyini linye kusukela ngesinceleni ukuya ngesidleni. - Abafundi abathole amatshwayo/iinthombe zabo begodu bafunde ngehloko bona ilanga labo lamabelethwa lingayiphi inyanga. - Bakhuthaze bona bazi iminyaka yabo. - Buyelela umsebenzi lo njalonzalo. <p>Itjhadi lamaLanga wamaBeletho elineenyanga ezitjhumi nambili zonyaka ezikhangiswe kusukela ngesinceleni ukuya ngakwesokudla. Umqhele nofana isithombe sekhekhe lelanga lamabeletho likhombisa amalanga wamabeletho adlulileko. Amalanga wamabeletho asezako akanawo umqhele nofana ikhekhe.</p> <p><i>ingoma: zenzele itjhuni yakho</i> <i>“Tjhirhwani, Mhlolanja, Ntaka, Sihlabantangana, Mrhayili, Mgwengweni, Velabahlinze, Rhoboyi, Khukhulamungu Sewula, Sinyikhaba, Nobayeni.</i></p>		
<p>Tjheja:</p> <ul style="list-style-type: none"> • Ilanga lamabeletho lomfundi limunyaya okhethekileko begodu kufanele kube nesikhathi esibekelwa ngeqadi sendulungu yamabeletho lapho itlasi loke livuma ingoma ethi Langa Elihle Lamabeletho begodu bawahle amahlamla ambalwa, batjengisa iminyaka abesana / abantazana abanayo. • Umfundi ngamunye ngetlasini angagwala isithombe bese utitjhere angabuthethelela yoke imigwalo ayenze incwadi yamalanga wamabeletho wabafundi abazabe bagidinga amalanga wabo wamabeletho. • Utitjhere angenzela umfundi ogidinga ilanga lakhe lamabeletho umqhele begodu abafundi bangahlobisa ngomatheryali owenziwe ngamaphepha abhiciweko lowo mqhele • Imisejenzana ebuyabuyelelwako emnyakeni woke lokha nakulilanga lamabeletho 		

Iveke 3 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutitjhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
linhloko	Amanothi athladlhulako.	lingoma nemilolozelo yeenomboro	Ngamalanga
1.1 Ukubala izinto	<p>Linganisa begodu ubale izinto zangamalanga ngokuthembeka</p> <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>	ingoma/ umilolozelo womsikinyeko	ilanga eli-1
	<p>Ukubona nokubala izitho ezihluhlukeneko zomzimba</p> <p>Ukubala okungakahleleki kusuka ku ku 1-5</p> <p>Okuphathelene nokusikinyeka komzimba (ukuhlenganisa NamaKghono Wepilo – ubuyena nehlahakuhle yomuntu qobo lakhe)</p> <ul style="list-style-type: none"> - Ukuthuthukisa ilemuko lenani lamalungu ahluhlukeneko womzimba ngokuwabala. - Ngibonisa ipumulo yakho begodu uyibale. Uneempumulo ezingaki? Ngibonisa iindlebe zakho begodu uzibale. Zingaki ? Zinengi ngayinye? Asibale siragele phambili. - Ngbonisa izandla zakho. Zingaki? Asizibale. Yini okhunywe okubonako ezandleni zakho? Imino! Ungayibala? Asibale imino yesandla esisodwa: 1, 2,3,4,5. - Mangaki amehlo? Bala amehlo wakho neendlebe zakho. Thinta izindlebe namehlo wakho lokha ubalako, thoma ngezindlebe zakho. - Hlala eduze nomgani wakho ubale amalungu womzimba wakhe, kodwana athinte mantanzi bese uyawabala. Utrijhere uzakukhokhela ikambiso le, isib. Thinta indlebe yomngani wakho eyodwa; thinta enye indlebe; izibale: 1,2. Ziyalingana nezakho? Ragela phambili nomsebenzi lo. - Yitjho amalungu womzimba lapho umuntu nomuntu anelungu elilodwa isib ipumulo yinye, umlomo munye, isilevu sinye njli. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Baziqale esibonibonini begodu bagadangise/ bazigwale. - Gwale ingaphandle lemzimba yabo ephaphandabeni begodu bakgabise ngokufaneleko. Gwala umuda udlule phakathi naphakathi. - Sika iinthombe zamalungu ahluhlukeneko womzimba kibo magazini nofana umkhangiso bese uqedelela ubuso. - Sika ubuso kibo magazine bese ugwala amalungu womzimba amanye angekho. 	Amaphazeli / imidlalo ejamele abantu abahlukahlukeneko nemifanekiso yemizimba Imidlalo yamakarada Abafundi	Isiboniboni eside ngokuzeleko Iphepha le A4 , amakhrayoni Abomagazini, izandiso, amatfaya, iinkere


Iveke 3 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
linhloko	Amanothi athladlhulako.	Abafundi	ilanga eli-1
3.4 Isimethri	<p>Ukukhumbula umuda wesimethri /wokubanda phakathi kuye.</p> <p>Ukuthuthukisa ilemuko lokobana umzimba womuntu uhlukiseke kabili/ unamahlangothi amabili.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Gandelela umqondo wokuthi “ihlangothi linye/ihlangothi elinye”</p> <p>Utijhere ukhuluma nabafundi ngengaphambili lomzimba nengemuva lomzimba kanye nengaphezulu 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 asehlangothini linye akhona godu nangakelinye ihlangothi. - Bathinte amalungu wemzimba yabo njengoba balayelwa isib “Thinta izinzwani zakho, thinta inyawo zakho, thinta imilenze yakho” .abafundi bangenza umsebenzi lo bavale amehlo. - Bathinte ilungu linye lomzimba wabo ngelinye ilungu lomzimbasib “thinta idolo lakho ngepumulo yakho, njll” (nomsebenzana wokuphambanisa amalungu womzimba) 	 <p>Isiboniboni esitjengisa ubude</p> <p>Utijhere angenza isithombe esihlanganiswa ngeenkunye ezihlukana kabili asebenzise ibhodi eqinileko</p>	ilanga eli-1
3.2 Izinto ezibusontathu (3-D)	<p>Ukukhumbula , ukubona nokubiza ngamagama izinto ezinbusobuthathu 3-D ngetlasini</p> <ul style="list-style-type: none"> - limbholo • Khumbula , bona begodu ubize ngamagama iimbholo - Abafundi badlala ngeembholo begodu batjengise bebatjho zoke izinto ebangazenza ngebholo. Utijhere ukhokhele iinkulumiswano ngokubuza imibuzo. - Ukubona zoke izinto ezigedekako isib. Batjengise amabhlogo begodu ubuze umbuzo: “Ucabanga bona ibhlogo lingagedeka? Asiboneni” . - Geda zoke izinto begodu utijheje bona zigedeka njani isib. Amabhlege agedekela ngehlangothi linye kuphela. - Sebenzisa idaka / ihlama ukubumba iimbholo ezingagedeka ngesikhathi sokwenza imisebenzi yobukghwari (ukudlala ngokutjaphuluka ngaphakathi). - Ngesikhathi sokukhamba, abafundi bangazama ukuvumela imizimba yabo bona igedekke ngokugedeka batele phasi nofana benze imizimba yabo bona ifane nebholo bese bayagedeka. 	<p>Izinto eziyindulungu isibonelo amalamune, ama-apula, iimbholos, amabhlegana anganaliho arondo (yenza iimbholo ngokusebenzisa umatheriyali ongabuye usetjenziswe godu isib iimbholo ezenziwe ngephephandaba eihlohlelwe ngaphakathi kwemikheyiza.)</p> <p>Izinto ezizinkwere isib amabhlogo. Iresebhe yehlama yokudlala:</p> <p>1 ikomiti yeflowuru ½ ikomiti yetswayi 1 ikomiti yamanzi 2 amalebhula wetye wamafutha wokupheka Amathosi ambalwa wedayi yokudla</p> <p style="text-align: right;">Hlanganisa uuvango</p>	ilanga eli-1


Iveke 3 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athadlulako.	Iinsetjenziswa eziphakanyisiweko.
<p>3.3 Ubuja m obubububili (2-D)</p>	<p>Ukukhumbula , ukubona nokutjho ngamagama ubujamo obubusobubili (2-D) ngetlasini neenthombeni</p> <ul style="list-style-type: none"> - indulungu • Thula indulungu <p>Lokha nawuthula indulungu kokuthoma izinto ezisejenziswako kufanele zifane poro ngakhoko koke (isayizi efanako, umbala ofanako, ubujamo obufanako)</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Utijhere ugwala indulungu eflurwini / ehlabathini. Vumela abafundi bona bakhambe magega nomuda wangaphandle wendlungu bakhambe bathi , "Ngikhamba magega nendlungu....ngiyazungeleza ngiyazungeleza".</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Babambane ngezandla benze indulungu. - Benze indulungu ngemizimba yabo. - Khambe ngaphakathi kwendlungu babe bavuma ingoma ethi "Isikhwa somuribheyi". - Bahlale phasi ngendlungwini badluliselane into isuke komunye iye komunye babe bacula "izambana elitjhisako lidlulise". Umfundi osaphethe into leyo lokha ingoma nayiphelako kufanele akhambe ayokuhlala phakathi nendlungu. 	<p>Ingoma, "nakhu lapha sikhamba khona sizombeleza isikhwa semuribheyi".</p> <p>Umdlalo, 'izambana elitjhisako, lidlulise".</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Utijhere utjengisa umfundi iwupsi begodu abahlathululele bona ubujamo lobu bubizwa ngokuthi yindulungu. Indulungu ayinawo amakhona.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Bambe amawupsi abusontathu 3-D balokha bakhambisa imino yabo emawupsi. - Thola izinto ezibusontathu 3-D ngetlasini ezifana neendlungu ngobujamo. <p>Hlela ngemihlobo begodu umadanise izinto ezibusontathu 3-D ngokuya ngamasayizi nombala</p> <p>Utijhere unikela abafundi imihlobo yezinto ezibusontathu 3-D namajamo abobusobubili 2-D ngamasayizi ahlukahlukene (ezikulu nezincane) nemibala (bovu, sarulani nohlaza sasibhakabhaka) okufana neembholo zetenesi , amamabula, iimbhaloni, njll</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Hlela izinto ngemihlobo zibe ngezi kulu nezi ncane. - Buthelela izinto ngemibala ehlukahlukeneko. 	<p>Iwupsi</p> <p>Izinto ezihlukahlukeneko ezizindulungu ezibusontathu 3-D okufana neembholo zetenesi, amamabula, nama bhaloni, njll.</p> <p>Ubuja m obubusobubili 2-D okufana neendlungu zamaplastiki ezisikiweko</p>

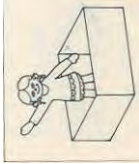
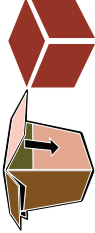
Iveke 3 Ukuzijayeza	Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	
Iinhloko	Amanothi athadlululako.	Ukulinganisa ubude besikhathi
4.1 Isikhathi	<p>Thula Itjhadi Lobujamo Bezulu</p> <p>a) Isikhathi</p> <p>b) Amalanga weveke</p> <p>c) Ukulandelana kwezehlakalo</p> <p>d) ukubala</p> <ul style="list-style-type: none"> - Ubuujamo bezulu bujamele iveke (yamalanga ama-5) usebenzise amakarada wamatshwayo isib amalanga ama 5 weveke arhenyiswe kusukela ngesinceleni ukuya ngesidleni usebenzise amatshwayo wobujamo bezulu. (bona isibonelo esingenzasi) - Ubuujamo bezulu kufanele kusetjenzwe ngabo ngamalanga. - Utijhere urhola abafundi bona bathole igama lelanga , idadamu nenyanga ngama fletjhi karada njengange dayagramini (ngokukhamba kwesikhathi abafundi banga thola begodu bakhangise amafetjhi karada ngokwabo). - Umrholi welanga uqala ubujamo bezulu ngaphandle begodu abelane lokho akutholileko nabanye abafundi isib. kunezulu-, kunamafu-, kunelanga. - Utijhere ukhangisa ngalokho okutholiweko ngama fletjhi karada njengangedayagramini (ngokukhamba kwesikhathi abafundi banga khangisa iinthombe ngokwabo). - Ngokwenza nje, abafundi bafunda ngamalanga weveke namalanga wangepelaveke. - Bafunda ngokwanamhlanje, izolo, kusasa, njll. bangakacapheli. - Abafundi banikelwa amathuba amanengi wokubala kufikela ku ku 5. Ukubala amalanga lapho kunelanga khona, amalanga amakhaza, amalanga anomoya, njll. - Ukukhangisa ngamatshwayo wabafundi lokha nakukhona amalanga wamabeletho phakathi kweveke. - Khangisa ngananoma ngimuphi umsebenzi owenzekako phakathi kweveke isib. Ukuya esiqiwini seembandana (okujanyelwe sithombesibandana) 	<p>Iinsetjenziswa eziphakanyisiweko.</p> <p>Itjhadi yobujamo bezulu kufanele bujamele iveke yoke isib. Amalanga weveke arhemiswe kusuka ngesinceleni ukuya ngesidleni eenyangeni zokuthoma ezisi 6 begodu kusetjenzwe ngawo ngamalanga. Amafetjhi 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. <div style="display: flex; justify-content: space-around; align-items: center;">  umoya  ilanga  izulu  amafu </div> <p>Fundisa abafundi ingoma yokufunda ngehloko amalanga weveke</p>

<p>Iveke 3 Ukuzijayeza</p>	<p>Isikhathi Sokufundisa Esitjhukunyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutitjhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)</p>	<p>linhloko</p>	<p>Amanothi athadlulako.</p>	<p>linsetjenziswa eziphakanyisiweko.</p>	<p>Ukulinganisa ubude besikhathi</p>	
<p>Isibonelo setjhadi lobujamo bezulu</p>						
<p>Itjhadi lobujamo bezulu</p>						
<p>Mgwengweni 2012</p>						
<p>uSondo</p>	<p>uMvulo</p>	<p>uLesibili</p>	<p>uLesithathu</p>	<p>uLesine</p>	<p>uLesihlanu</p>	<p>uMgqibelo</p>
<p>12</p>	<p>13</p>	<p>14</p>	<p>15</p>	<p>16</p>	<p>17</p>	<p>18</p>
						
<p>4.1 Isikhathi</p>	<p>Ukulandelanisa izehlakalo ezizibuyelelako zobuphilo bakhe bangamalanga</p> <ul style="list-style-type: none"> • Amalanga weveke Utijjhere ufundisa abafundi ingoma nofana umlozelo omayelana namalanga weveke. Buyelela ngamalanga njengoba kukhulunyiswana ngetjhadi lobujamo bezulu. <i>Ingoma:</i> "Kunamalanga alikhomba, kunamalanga alikhomba, kunamalanga alikhomba evekeni." "uSondo, uMvulo, uLesibili, uLesithathu, uLesine, uLesihlanu, uMgqibelo." (X2) • Thula itjhadi utjengise iinkathi zonyaka ezine utjengise nge tjhobi: <ul style="list-style-type: none"> - Sikisiphi isikhathi sonyaka njenga nje? - Ngisiphi isikhathi sonyaka esiqeda ukudlula? begodu - Ngisiphi isikhathi sonyaka esilandelako? - Khangisa isithombe sesikhathi sonyaka sanje sikhambisane nenyanga efaneleko isib. uTjhirhweni kufika kuNtaka ungakhangisa ngeenthombe zehlobo. 					
<p>Tjheja: Yoke imiqondo emijha kufanele yethulwe ngokulandela iingaba lezi:</p> <ul style="list-style-type: none"> • iingaba zokuphathelele nokusikinyeka komzimba (ukuthola imiqondo ngomzimba nemizwa) • iingaba eziphathekako (sebenzisa izinto ezibusontathu 3-D). • Isigaba sezipeze ziphatheke (ukulinganisa izinto ezibusontathu 3-D ephepheni. isib imigwalo, ukumadanisa iinthombe, imidlalo yamakarada, amaphepha wokusebenzela, njll.) Woke amajamo "athabaleleko" athathwa njenga busobubili. 						

Iveke 4 Thoma ngokwethula enomborweni.	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlulako.	linsetjenziswa eziphakanyisiweko.
1.1 Ukubala izinto	<p>Ukubona nokuhlathulula inomboro ezizeleko</p> <ul style="list-style-type: none"> • Ukuthula ihlathululo yenomboro u ku- 1 <p>Ukubala komlomo okungakahlelkeri kwangamalanga kusuka ku ku 1-5</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukukhomba amalungu womzimba isib. Ipumulo yinye. - Vuma ngehloko kanye, gadanga phasi kanye, yeqa kanye njll. - Phakamisa umuno mu -1, isandla si- 1, inyawo li -1 njll. - Abakhe inomboro u ku - 1 ngemizimba yabo. - Abatlole inomboro u ku- 1 emoyeni / ehlabathini. - Wahla kanye kuphela 	<p>lingoma nemilozelo weenomboro</p> <p>Abafundi</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukubona nanyana ngiyiphi into ekhamba yodwa ngetlasini isib. Ibhlogo elilodwa lokwakha. - Yakha inomboro u ku -1 ngedaka / ngehlama yokudlala <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke zobuso obubili (2-D)</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Ukubona isithombe esinento eyodwa emafletji karadeni ahlukehlukeneko. - Metjha amakarada weenthombe anesithombe esisodwa namakarada anethosi/dothi elilodwa. - Ngasosoke isikhathi hlanganisa ikarada lesithombe nekarada ledothi nenomboro elinganako yezinto zokubala isib. Paka inomboro/ inani ellinganako lezinto zokubala edothini ngalinye. - Ngemva kokwethula inomboro u ku -1 utijhere ukhangisa amafletji karada magega neboda bona abafundi bawabone ngamalanga. 	<p>Izinto ezingetlasini nebhodulukweni</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Isithombe sento ye-1 </div> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="width: 10px; height: 10px; background-color: green; border-radius: 50%;"></div> </div> </div> <p>Into yi-1 yokubala yomfundi munye Imihlobohlobo yamafletji karada weenthombe Amafletji karada wamaqatjhazi / wamadothi</p>

Iveke 4 Thoma ngokwethula ennomborweni.			Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	
linhloko	Amanothi athadhlulako.	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi	
2.1 Amaphetheni weJyomethri	<p>• Ukubona amaphetheni ebhodulukweni nezambathweni zabafundi 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 umehluko begodu yini okufanako? - Yini okwenza iphetheni? - Iphetheni iyabuyabuyelela –imida /amabhlogo / ubujamo <p>Okuphathelene nokusikinyeka komzimba Kopulula begodu ungezelele amaphetheni Utijhere ubophelela iribhoni ebovu nehlaza sasibhakabhaka emikhonweni yabafundi abane. Wakha iphetheni ngokubeka umfundi uneribhoni ebovu ngaphambili kwetlasi bese kulandele umfundi weribhoni ehlaza sasibhakabhaka, bese kuze weribhoni ebovu godu. Abafundi abaqedelele iphetheni.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere utlama iphetheni ngeemvalo zamabhodlhello ezi 3 ezihlaza sasibhakabhaka neemvalo zamabhodlhello ezi 3 ezibovu. - Abafundi abakopulule iphetheni yakatijhere. 	 <p>Amariboni abovu nahlaza sasibhakabhaka</p> <p>Umfundi ngamunye uthola iimvalo zamabhodlhello ezibovu nezihlaza sasibhakabhaka</p>	ilanga eli-1	


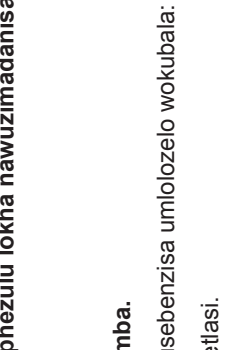
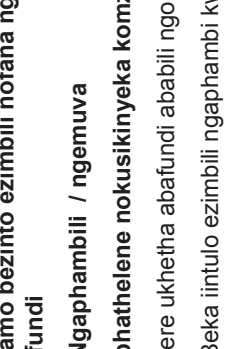
Iveke 4 Thoma ngokwethula ennomborweni.	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athadhulako.	Linsetjenziswa eziphakanyisiweko.
3.2 Izinto ezibusontathu (3-D)	<p>Ukukhumbula , ukubona nokutjho ngamagama izinto ezibusontathu (3-D) nobujamo obubusobubili (2-D) ngetlasini neenthombeni.</p> <p>Ukuthuthukisa ikghono lokuhlukanisa phakathi kwezinto ezi “ngaphambili nezingemuva”</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Utijjhere ubeka izinto ezihluhlukeneko ngetlasini nangaphandle ekudla yokudlala. Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Tjengise izinto ezihluhlukeneko ngetlasini isib. Izinto ezenziwe ngekhuni, izinto ezibovu, izinto ezenziwe ngeplastiki njll. - Funa izinto ezithile ngetlasini lokha utijjhere abanikela iinlayelo isib. Ibholo elisemabhlogweni wesimumathi sama bhlogo we Lego, ikoloyana yokudlala ngekasini leenkomitji, ipensela ngebhlegeni njll. - Funa izinto ezifanako isib. iinkunupe ezirondo hlangana neenkunupe ezizinkwere, umabula obovu hlangana namabula amibabala njll. - Hlela ngemihlobo izinto ngokuya ngemihlobo yazo isib. Isayizi, umbala, ukuthinteka nofana ubujamo.. - Dlala umdlalo , “Ngyayibona ngamehlo wami amancani, into erondo.....” - Funa izinto ezithile ebhodulukweni lokha utijjhere nakabalayelako isib inyoni emthini, iribhoni emthini, ithuthumbo elihle, ubutjontjhwani phezu kwe bhilari, njll - Ekhaya abafundi kufanele bakhuthazwe bona bakhuphe zoke iingobho nofana imikhwa nofana iimforogo elayini. 	Izinto ezihluhlukeneko ngetlasini nebhodulukweni ilanga eli-1
3.3 Ubuujamo obubusobubili (2-D)	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke zobuso obubili (2-D)</p> <p>Tjengisa abafundi isithombe begodu ubabuze imibuzo ngesithombe leso.</p> <p>Isibonelo:</p> <ul style="list-style-type: none"> - “Umntazanyana uphethe ini esandleni sakhe?” - “Bangaki abantu abangesikepeni?” njll. - Ukwakha ama PHAZELI nokudlala amadomino weenthombe kufanele bona abafundi bathuthukise umqondo wokubona into eqakathekileko esithombeni esihlangahlangeneko 	<p>Esinye nesinye isithombe esikhulu okungakhulunywa ngaso. (Iphostara)</p> <p>Amaphazela</p> 

Iveke 4 Thoma ngokwethula ennomborweni.	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutitjhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athadhlulako.	Insetjenziswa eziphakanyisiweko.
<p>3.2 Izinto ezibusontathu (3-D)</p>	<p>Ukukhumbula, ukubona nokujho ngamagama izinto ezibusontathu (3-D) kuhiola umqondo wobujamo namasayizi wamabhoksi</p> <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Beqele ngaphakathi nangaphandle kwe bhoksi elikhulu lekhabbhoksi. - Bahlole ingaphakathi lebhoksi ngokukhuluma ngalokho abakubona ngaphakathi kwe bhoksi isib. Ibhoksi line fluru/ iphasi/amahlangothi amane/ / amaboda nesivalo. - Vula ibhoksi ukubona ubujamo balo <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Ukusebenzisa amabhoksi ukwakha isakhiwo isib. indlu, igaratji (sebenzisa ngesikhathi Sobukghwari Obubonakalako ukwakha umakhiwo ngemihlobo yamabhoksi anamasayizi ahlukehlukeneko) - Nikela abafundi izinto ezahlukehlukeneko okufana namakinobho, amabhoksi weyunifiksi, iimvalo zamabodhlhelo, iinkunupana zeplastiki zokubopha uburotho. <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Hlela izinto ngemihlobo zibe ziinqhema zehlobo elifanako. - Thole bona umehluko uyini phakathi kwezinto - Thole bona ngiziphi izinto ezizinkwere begodu ngiziphi ezirondo - Hlela ngemihlobo izinto ngokuya ngemibala efanako 	 <p>Amabhoksi ahlukehlukeneko amakhulu namancani (isiqandisi esinganalitho namabhoksi wesitofu)</p>  <p>Amabhoksi weyunifiksi, iimvalo zamabodhlhelo, iinkunupana zeplastiki zokubopha uburotho (abafundi bangeza nazo kusuka ekhaya)</p>

Iveke 4 Thoma ngokwethula enomborweni.	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
linhloko	Amanothi athadhlulako.	Insetjenziswa eziphakanyisiweko.
3.3 Ubjamo obubusobubili (2-D)	<p>Ukukhumbula , ukubona nokujho ngamagama ubujamo obubusobubili 2-D ngetlasini neenthombeni</p> <ul style="list-style-type: none"> - uncantathu <p>Yethula uncantathu</p> <p>Lokha nawethula uncantathu kokuthoma, izinto ezisetjenziswako kufanele zifane poro ngakho koke (isayizi efanako, umbala ofanako, ubujamo obufanako). Uncantathu unamahlangothi amathathu anqophileko. Lokhu kubizwa ngokuthi nguncantathu.</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Benza amajamo ngemizimba yabo isib abafundi aba-3 benza uncantathu ngemizimba yabo. - Benza aboncantathu basebenzisa imino yabo. - Benza amajamo waboncantathu ngeentokana zewulu nofana ihlama yokudlala. - Khamba magega nobujamo baboncantathu. Lokha nabakhambako, abathi, 'Ngikhamba magega noncantathu, kunye, kubili, kuthathu amahlangothi nofana kunye, kubili, kuthathu amahugu (amahugu). - Yizwa amajamo. Sebenzisa ubujamo besayizi obukhulu/ obuyikakaramba nofana beka ubujamo obuhluhlukeneko ngaphakathi "komgodlana ophethe izinto okufanele umfundi aqagele ngokuzwa/ngokuthinti bona ubambe ini" umfundi "uzwa" ubujamo ngaphakathi kwesikhwama begodu amadanise begodu abumadanise nesede yamakarada amadanako (amakarada agwalwe ubujamo). - Gwala ubujamo bakancantathu emoyeni, phasi/eflurini (ijhogo) bese ekugcineni bagwale ephepheni. <p>Hlathulula ,hlela ngeengaba begodu umadanise izinto ezibusontathu 3-D nobujamo obubusobubili 2-D</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Hlele ngemihlobo ubujamo bama Logi ukuya ngobujamo (iindulungu naboncantathu), isayizi (okukhulu nokuncani) nombala (bovu, ezisarulani, hlaza sasibhakabhaka) - Bafune ubujamo obuboncantathu ngetlasini nasebhodulukweni. 	ilanga eli-1

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		Ukulinganisa ubude besikhathi
linhloko	Amanothi atihadhulako.	linsetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukuhlathulula nokubona iinomboro ezizeleko</p> <ul style="list-style-type: none"> • Ukugandelela ilwazi abalizuze evekeni 4 okufaka hlanguana inomboro u ku -1. <p>Komlomo: Ukubala okungakahlelwa kusuka ku ku -1 ukuya ku ku-5</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Benze igido elenziwa ngamalungu womzimba isib wahla ngezandla kanye. - Utijhere ubatjengisa ifletjhi karada elijamele inomboro u ku -1 bese abafundi baphakamisa umuno mu- 1 isandla si-1, inyawo li- 1 njll. 	<p>lingoma nemilozelo yeenomboro</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isi-thombe sento 1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">kunye</div> </div>	<p>Ilanga li-1 . ilanga eli-1</p>
		<p>Into eyodwa</p> <p>Into yokubala eyodwa</p>	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Thole into eyodwa ngetlasini. - Bale into yokubala eyodwa. 	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Metjhanisa isithombe esisodwa esinobujamo obuhluhlukeneko nefletjhi karada elinedothi elilodwa/ qatjhaza elilodwa - Metjhanisa isithombe esinobujamo obuhluhlukeneko nefletjhi karada elinedothi / neqatjhaza elinethswayo lenomboro u ku- 1. - Metjhanisa itshwayo lenomboro namafletjhi karada anamabizo weenomboro. - Yenza amaphazeli weenomboro begodu uvumele abafundi bona baw metjhise isib . 	<p>Amafletjhi karada ahluhlukeneko anesithombe esisodwa, neqatjhazi elilodwa</p> <p>Ifletjhi karada elinethswayo lenomboro negama lenomboro</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isi-thombe sento 1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">kunye</div> </div>

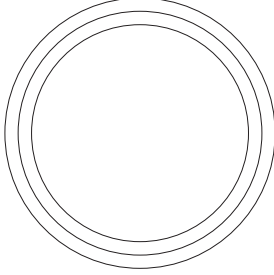
Iveke 5 Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Amanothi atilahlulako.	Insetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
linhloko	<p>3.4 Isimethri</p> <ul style="list-style-type: none"> • Qinisekisa ilemuko lokobana umzimba womuntu unamahlangothi amabili isib. “ihlangothi elilodwa” godu “nelinye ihlangothi” okurholela ku “langesinceleni ne langesidlani” <p>Okuphathelene nokusikinyeka komzimba. Utijhere uhlathulula amahlangothi amabili womzimba womuntu. Vumela abafundi bona ba:</p> <ul style="list-style-type: none"> - Jame ngomlenze owodwa, babuye godu bajame ngomunye. - Sikinyeke ngegido lokha nabezwa ibetho lerrhatjharhatjha uye ngehlangothini elilodwa letlasi. - Lokha irhatjharhatjha nayithulako, abafundi batjninga ngakwelinye ihlangothi letlasi. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) 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 izinzwani zabo nezandla zabo njll - Beka umgodla weembhontjisi eflurini ngakwelinye ihlangothi lemzimba yabo begodu bayisuse bayise ngakwelinye ihlangothi. - Qinisekisa umgondo lo ngokuwuhlanganisa nobukghwari bokubona ngokuvumela abafundi bona bazenzele iinthombe zamaviyiviyani. <p>(Bhinca iphepha phakathi; thontisela amathosi ahlukehlukeneko wepende phezu komuda obhinciweko; libhince phakathi bese urhatjha ipende ngokuhikihla isithombe; ivule bese utjheje / ubukele iviyaviyani; sika emudeni omagega –iviyaviyani linamahlangothi amabili afanako)</p>	<p>Umfundi ngamunye uthola umgodlana wamabhontjisi.</p>	<p>ilanga eli-1</p>
3.2 Izinto ezibusontathu (3-D)	<p>Ukukhumbula , ukubona nokutjho ngamagama izinto ezibusontathu (3-D) Ukwethula nokuhlola izinto ezigedekako</p> <ul style="list-style-type: none"> - Cocisanani ngobu “ndulungu / rondo” bezinto. Faka / Beka izinto ezimbalwa ezirondo ngemgodleni we “feji” Umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa / ngokuthinta bona ubambe ini” (Isikhwama setjhila esinerege phezu). - Abafundi bakhupha into ngakiyo bese bahlatulule uburondo / ubundulungu bayo. - Abafundi batjngisa bona izinto ezihlukehlukeneko zigedeka njani emehleleni ngokuphakamisa itafula ngeentina ezimbili. 	<p>“ Umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa / ngokuthinta bona ubambe ini” (Isikhwama setjhila esinerege phezu)</p> <p>Ngaphakathi kwesikhwama kune: Amasayizi ahlukehlukeneko weembholo, amamabula, amasiliinda, amabhlegana anganalitho wesiselo esimakhaza, ubujamo beplastiki oburondo nofana iirvalo zamabhodhelo zamaplastiki</p>	<p>ilanga eli-1</p>




Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Amanothi atilhadlhulako.	Insetjenziswa eziphakanyisiweko.	Ukulinganisa ubude besikhathi
linhloko	3.1 Ubujamo, ukujayeza nokubukela	<p>Ubujamo bezinto ezimbili nofana ngaphezulu lokha nawuzimadanisa hlobanisa normfundi</p> <ul style="list-style-type: none"> - Ngaphambili / ngemuva <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Utijhere ukhetha abafundi ababili ngokusebenzisa umlozelo wokubala:</p> <ul style="list-style-type: none"> - Beka iintulo ezimbili ngaphambi kwetlasi. - Abafundi ababili laba batjengisa imiqondo ngaphambili nangemva lokha utijhere nakabalayelako isib. . <ul style="list-style-type: none"> o USiphob ujame phambi kwesitulo o UKali ujame ngemva kwesitulo - Lokha nasele aphumelele, utijhere uphakamisa iflethi karada bese abafundi batjengisa umsikinyeko basebenzisa iintulo zabo. - "Lokhu kungatjengiswa godu ngokusebenzisa abafundi abathathu. <ul style="list-style-type: none"> o UAmosi ujame ngemva kwaka Siphob, kodwana uKali ujame phambi kuka Amosi. - Utijhere unikela abafundi idayisi elikhulu elineenthombe ezihlukahlukeneko ezitjengisa "ngaphambi kwe na ngemva" zitolwe ngeqadi isib. Jama ngaphambi komuntu weenhluhu ezide; jama ngemva komuntu owembethe ibhrugu; hlalani omunye emva komunye, njll. - Abafundi abadlale umdlalo eenqhemeni zabo ngokuphosa idayisi begodu benze umsikinyeko ozotjengiswa idayisi lelo naliwako. 	<p>Iintulo</p> <p>Abafundi</p> <p>Amaflethi karada nemisikinyeko ngaphambili nangemva kwento.</p>   	ilanga eji-1

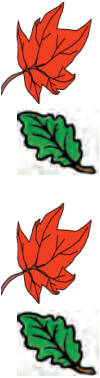
Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisejenzana yeeMbalu ngeveke)	
Iinhloko	Amanothi atilahlulako.	Insetjenziswa eziphakanyisiweko.
<p>3.2 Izinto ezibusontathu (3-D)</p>	<p>Madanisa bona ngiyiphi eentweni ezimbili onikelwe zona e: Kudlwanyana nencazana</p> <ul style="list-style-type: none"> • Ukuqinisekisa umqondo wokuthi kukhulwana kuncazana Okuphathelene nokusikinyeka komzimba. <ul style="list-style-type: none"> - Vumela abafundi: - Ukwenza imizimba yabo ibe mikhulu ngokulula imikhono yabo ibe ngehla keenhloko zabo. - Ukwenza imizimba yabo ibe mincane ngokugobana batjinge phasi nangokutshopana. - Thola bonainja yikulu kune gundwana na. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Ngasosoke isikhathi beka okungasenani izinto ezimbili bona zimadaniswe.</p> <ul style="list-style-type: none"> - Madanisa amasayizi ahlukahlukeneko wehlobo elilodwa lebhlogo, iimbholo, iimbhorodo, iinkunupe, itafula, iintulo njll begodu uthole bona ngiyiphi into e “kulu/ncanil, kudlwana/ncazana” nokuthi ” ekulu khulu/encani khulu”. - Yakha imakhiwo ngamabhlogo wokwakha begodu abafundi bamadanise bona ngowakabani umakhiwo omkhulu khulu nokuthi ngowakabani omncani khulu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Madanisa iinthombe ezijengisa umqondo wokuthi kukhulu/kuncani nokuthi kukhulwana / kuncazana. - Ukusebenzisa umqondo we “kukhulu/kuncani” ngesikhathi sobukghwari bokutlama. 	<p>Isithombe sekhondlwana nenja (qinisekisa bona isithombe senja sikhudlwana kunesisithombe sekhondlwana)</p> <p>Izinto ngetlasini okufana namabhlogo, iimbholo, amabhorodo, iinkunupe, imincamo, iingojwana, amapheksi, amabhoksi womillo, amabhlegana, amapropo, iinqephe, iimvalo zamabhodhelo, njll.</p> <p>Iinthombe ezijengisa kukhulu / kuncani</p>

Ukulinganisa ubude besikhathi

ilanga eli-1

Iveke 5 Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisejenzana yeeMbalu ngeveke)	Ukulinganisa ubude besikhathi
linhloko	linsetjenziswa eziphakanyisiweko.
<p>3.2 Izinto ezibusontathu (3-D)</p> <ul style="list-style-type: none"> • Madanisa bona ngiyiphi yezinto ezimbili onikelwe zona ezi: <ul style="list-style-type: none"> - Kulu nencani - Kudlwana nencazana - Kulu khulu nencani khulu <p>Okuphathelene nokusikinyeka komzimba. Utijhere ugwala indulungu encani esandeni, ehlabathini / eflurini.</p> <ul style="list-style-type: none"> - Abafundi bakhamba magesa nendulungu encani. <p>Utijhere ugwala indulungu ekudlwana ngaphandle kwencani</p> <ul style="list-style-type: none"> - Abafundi bakhamba magesa nendulungu ekudlwana. - Utijhere uyababuza athi: <ul style="list-style-type: none"> o Ngiyiphi indulungu encani khulu?" o "Ngiyiphi indulungu ekulu khulu?" o "Khambani phezulu kwendulungu encani" o "Khambani phezulu kwendulungu ekulu". <p>Utijhere ugwala indulungu ekulu khulu kunaleyo agcine ngayo ngaphandle kwaleya ekulu.</p> <ul style="list-style-type: none"> - Abafundi bakhamba magesa nendulungu ekulu khulu leyo godu. - Utijhere ubuza imibuzo efana nokuthi: <ul style="list-style-type: none"> o "Ngiziphi iindulungu ezikulu khulu?" o "ngiziphi iindulungu ezincani khulu?" 	<p>indulungu ezikulu nezincani ezigwalwe esandeni / eflurini / ehlabathini</p> <div style="text-align: center;">  </div> <p>ilanga eji-1</p>

Iveke 5	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	
Iinhloko	Amanothi atilahlulako.	Ukulinganisa ubude besikhathi
<p>3.2 Izinto ezibusontathu (3-D)</p>	<p>Amanothi atilahlulako.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Abafundi bahlela ngemihlobo begodu bamadanise izinto ezihlukahlukeneko ukuya ngesayizi.(okukhudiwana , okuncazana) isib.</p> <ul style="list-style-type: none"> - linkunupe ezikulu kwezincani - lingobho ezikulu kwezincani - Amabhoksi amakhulu kwamancani <p>Umsebenzana lo ungadluliselwa ekudlaleni ngaphandle (ukudlala ngesanda nokudlala ngamanzi) lapho abafundi banga madanisa izinto begodu bakhulume ngokuthi ngiyiphi encazana/kudiwana, kulu khulu nencani khulu.</p> <p>Lokhu kungahlanganisa nobukhwari bokubonwako – yenza isithombe ngokusebenzisa iincucwana nezinye iinthombe usebenzise okuthi into ekulu/encani.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke 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 esekuthomeni nofana ngiyiphi ifesi esekugcineni?” “Ngiyiphi ifesi ephakathi?” <div style="text-align: center;">  </div> <ul style="list-style-type: none"> - Ragela phambili uye emaledereni ukwenzela bona abafundi balemuke bona iinthombe zijamele amagama. Akufanelel bona abafundi bafunde amaledere. <div style="text-align: center;">  </div>	<p>Iinsetjenziswa eziphakanyisiweko.</p> <p>Amabhlogo wokwakha neembholo zamasayizi ahlukahlukeneko</p> <p>linkunupe, iingobho, amabhoksi wemithi, amabhoksi wamanyathelo, amakhathoni webisi anaganalitho, iimumathi zemithi ezinganalitho, njll.</p> <div style="text-align: center;">  </div>

IVEKE 6 Isikhathi Sokufundisa esijhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalu ngeveke			
linhloko	Amanothi athadlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<p>Linganisa begodu ubale izinto zangamalanga ngokuthembeka.</p> <p>Ukubala kwangamalanga</p> <ul style="list-style-type: none"> - Zehlako:Ukubala okungakahleleki /ukubala kwegido kusuka ku- 1 - 5 - Cula iingoma nemilolozelo yeenomboro 	lingoma nemilolozelo yeenomboro	Ngamalanga
2.1 Amaphetheni weJiyomethri	<p>Ukukopa begodu ungezelele amaphetheni</p> <ul style="list-style-type: none"> • Kopa iphetheni <p>Okuphathelele nokusikinyeka komzimba:</p> <ul style="list-style-type: none"> - Utijhere utjengisa igido ;lamaIpetheni elenziwa ngamalungu wezitho zomzimba begodu abafundi bafanele bako amaphetheni enziwa ngutijhere isib. Wahla,wahla,gida;wahla,wahla,gida;...wahla,masinya,masinya,wahla njll..... <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Kopa amaphetheni anezinto isib.:</p> <ul style="list-style-type: none"> - Sebenzisa imihlobo yamakari - Sebenzisa ubujamo isib.iindulungu, indulungu, uncantathu,indulungu,..... - Sebenzisa izinto isib. Iphegi ebovu, iphegi ehlaza njengesibahakabhaka, iphege esarulana, iphege ebovu ,..... 	<p>Abafundi</p>  <p>Ubuja mo obuyi Logi Amaphegi wephegi-bhodi</p>	ilanga eli-1
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Tlame amaphetheni okungewabo ngamakarida weenthombe isib. ithuthumbo,ikari,ikari,ithuthumbo,.... - Tlame amaphetheni okungewabo anemibala isib. Bovu,hlaza sasibhakabhaka, bovu, hlazsasibhakabhaka,bovu..... - Ngesikhathi sobukhwari bokutlama abafundi basebenzisa iimpontji ezinobujamo obusikiwe ukugandanga amaphetheni..... 	<p>Nikela abafundi amakarada weenthombe</p> <p>Amakarada wemibala</p> <p>UTijhere angaunta ubujamo eemponjini</p>	

IVEKE 6 Isikhathi Sokufundisa esijhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yemalo ngeveke)			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.3 Ubujamo obubusobubili (2-D)	<p>Khumbula, ubone begodu utjho isikwere ngegama Yethula isikwere</p> <p>Lokha nawuthula isikwere kokuthoma izinto ozisebenzisako kufanele zifane poro ngayo yoke into(zilingane ngobukhulu,zifane ngombala,zifane nangendlela ubunjalo bento buzwakala ngayo esandleni nawuyithintako))Isikwere senziwa ngahlangothi amane alinganako.Lokhu kubizwa ngokuthi sikwere .</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Itlasi loke lenza isikwere. - Abafundi abakhamba phezu kwesikwere esenziwe ngerobho ekhaphetheni batjho ukuthi", Ngikhamba magega nesikwere-ihlangothi linye,amahlangothi ambili,amhlangothi amathathu,amahlangothi amane woke amahlangothi ayafana ?" - Abafundi benza iinkwere ezincani ngenqheema. <p>Sebenzisa izinto eziphathekako ezibusontathu 3-D</p> <ul style="list-style-type: none"> - Utijhere utjengisa umahluko phakathi kwendulungu, begodu nesikwere ngokuphakamisela phezulu isivalo sekotikoti nethayeli esikwere. - Isivalo sizwakala siyindulungu begodu ithayeli inangemacadi namakhona / amahugu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ugwala azungeleze isivalo begodu azungeleze ithayeli - Isivalo sijamela indulungu begodu ithayeli Ijamela isikwere. - Abafundi abavunyelwe ukuthi bagadangise bazungeleze isivalo nethayeli ngamakhrayoni. 	<p>Abafundi Irobho</p> <p>Isivalo sekotikoti ithayela lesikwere</p> <p>Imvalo ezihlukahlukeneko ezizindulungu nezinto ezizinkwere</p> <p>Iphepha eligadangiweko lendaba Amakhrayoni</p>	<p>ilanga eli-1</p>
	<p>Hlela ngeengaba izinto ezibusontathu 3-D nalezo ezinobujamo obubusobubili 2-D nofana iinthombe</p> <p>Hluakanisa abafundi ngenqheema.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Hlela izinto ezihlukahlukeneko ezibusontathu 3-D nezinto ezibusobubili 2-D ezinikelwe ngutijhere ngokuya ngobukhulu nangombala. - Qinisekisa ubujamo ngokudlala imidlalo nemidlalo yamakarada ngesikhathi esitjhaphulukileko sokudlala ngetlasini. 	<p>Amarada anobujamo</p> <p>Izinto ezibusontathu 3-D njengamabhlogo, ,amabhlogo wama lego</p> <p>Ubujamo obubusobubili 2-D njengemidlalo engagandelela ubujamo njenga"kunani ngesikwereni ?</p>	

IVEKE 6 Isikhathi Sokufundisa esijhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembali ngeveke			
linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.2 Izinto ezibusontathu (3-D)	<p>Khumbula,ubone begodu utjho namagama wezinto ezibosobathathu 3-D ezitjhelelelako</p> <ul style="list-style-type: none"> • Yethula izinto ezitjhelelelako <p>Nikela abafundi izinto ezihlukahlukene ezibusontathu 3-D nezinobujamo obubusobubili 2-D njengama bhlogo, amabhoksi, iimbholo, njll.</p> <ul style="list-style-type: none"> - Vumela abafundi bona bazifumanele ngokudlala ukuthi ngiziphi izinto ezingatjhelele begodu ngiziphi izinto ezingagedeka. - Abafundi bangasebenzisa ukutjhelelela okukhona ebaleni lokudlala nofana utijhere angasebenzisa itafula ukwenza umenyuko nofana umehlela ngokubeka amabhlogo amabili ngaphasana kwalo. - Ikhona enye yezinto engatjhelele iye phezulu? - Ngiziphi izinto ezitjhelele ziye phasi? - Khuyini okwenza ukuthi izinto lezi zitjhelele? 	<p>Amabhlogo Iimbholo Amabhoksi imijhelelo / Itafula elinamabhlogo</p>	ilanga eli-1
3.1 Ubujamo, ukujayeza nokubukela	<p>Hiathulula into eyodwa ebusobuthathu 3-D ngokuyihlobanisa enye kwenye</p> <ul style="list-style-type: none"> • Thuthukisa umqondo we ngaphezu kwa / ngaphasi kwa, / ngaphezulu kwe Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Umfundi ngamunye uhlala phezu kwesitulo sakhe. - Abafundi balalela iinlayelo zakatijhere begodu balandele lokha benza imisikinyeko isib. hlala phezu kwesitulo sakho, lala ngaphasi kwesitulo sakho. - Jama phezu kwesitulo sakho. Hlala ngaphasi kwetafula. - Beka izandla zakho phezu kwehloko. - Beka izandla zakho ngaphasi kwemilenze yakho. - Beka umgodlana weembhontjisi ngaphasi kwamakhwapha wakho. - Hlala phezu komgodlana wamabhontjisi. - Bamba iwupsi ngaphasi kwamadololo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <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 njll.. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere unikela abafundi iinthombe ezihlukahlukene lokha umqondo wa phezu kwa, ngaphasi kwe, ngaphezulu zizjengiswa isib. umuntu ohlezi phezu kwepera,umtwan ulele ngaphasi kwengubo njll. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukubona umqondo waphezu, ngaphasi, nangaphezulu kwe- eenthombeni. 	 <p>Isitulo somunye nomunye umfundi</p> <p>Ngaphezu kwetafula</p>  <p>Ngaphasi/ngaphasi kwe</p>	

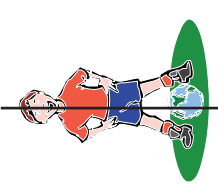


IVEKE 6 Isikhathi Sokufundisa esijhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yemballo ngeveke			
linhloko	Amanothi athadlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
4.1 Isikhathi	<p>Hlathulula 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>Hlanganisa imiqondo le neL.wazi lokuThoma leenhloko zamaKgono wePilo.</p> <p>Okuphathelene nokunyakaziswa komzimba</p> <ul style="list-style-type: none"> - Balemuka ubumnyama ngokuhlala ngaphasi kwetafula nangaphasi kweentulo ezimbeswe ngenqubo. - Yenza kubenzima ngetlasini ngokuvula amarharideyini nangokucima ikesi. - Abafundi bakhuluma ngelemuko labo lokha etlasini labo bekunzima nalokana bekukhanya. - Banikelwa itotjhi yokobana bakhanyise ngaphasi kwengubo. - Khuluma ngemisetjenzana eyenzeke ngesikhathi semini nangesikhathi sebusuku <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ulungisa iphostara yelanga nenyazi begodu anikele abafundi iinthombe ezikhomba bonyana kwenzekani ngesikhathi semini nasebusuku. - Abafundi kufanele babeke iinthombe zabo ngaphasi kwelanga nofana ngaphasi kwenyazi. 	<p>Iintulo neengubo itotjhi</p>  <p>Iphostara yemini nobusuku Iinthombe zemisetjenzana yesikhathi semini nesikhathi sebusuku.</p> 	ilanga eli-1


IVEKE 7 Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembali ngeveke			
linhloko	Amanothi atladlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.3 Ubujamo obubusobubili (2-D)	<p>Khumbula, bona begodu utjho amagama wezinto ezibusontathu 3-D nezobujamo obubusobubili 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 kuqaliswe emininigwaneni efana nokuthi umbala, abantu/iinwana, izinto, ubujamo babantu/beeniwana nezinto. - Ukubona, ukhumbule begodu umetjhiise umehluko wenquntwana zamaphazeli isib. <ul style="list-style-type: none"> o Inquntwana zamakhona. o Inquntwana ezinehlangothi elilodwa elinqophileko o Inquntwana ezinganawo amahlangothi anqophileko o Ukubala inquntwana zamaphazeli. <p>Yakhiwa bunjani iphazeli:</p> <ul style="list-style-type: none"> o Paka zoke inquntwana zamaphazeli ziqale phezulu '. o Ukubona iinquntwana zamakhona begodu uzimejhiise nemibala, izinto njll...phezu kwazo madanisa amakhona wamaphazeli. o Tlama amakhona amane usebenzise zoke inquntwana nales esinehlangothi elinqophileko. o Nangabe abafundi bathola ubudisi, bangatma amaphazeli phezu kwenthombe abanikelwe zona. o Woke amaphazeli kufanele aqedwe phambi kokuthi abekwe. 	Amaphazeli ahlukehlukeneko- okungasenani aneenquntu ezisi- 6	ilanga eji-1

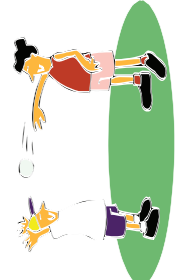
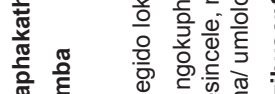
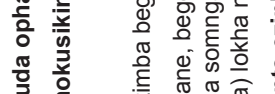


IVEKE 7 Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalu ngeveke			
linhloko	Amanothi atladhlulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.1 Ubujamo, ukujayeza nokubukela	<p>Hlathulula into eyodwa ebusobuthathu 3-D ngokuyihlobanisa nomfundi</p> <ul style="list-style-type: none"> • Indawo/ ubjamo bezinto ezimbili nofana ngaphezulu nawuzihlobanisa nomfundi <ul style="list-style-type: none"> - Ngaphakathi / ngaphandle <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere usebenzisa itheyiphu enamathelako nofana igqups ukwenza imida emibili eflurwini . - Boke abafundi bajama ehlangothini linye, utijhere uyabiza, "ngemlanjeni (Boke abafundi bafanele beqele hlangana nemida emibili, bese uyarhuwelela 'ngaphandle komlambo'. Boke abafundi bafanele beqele ngaphandle ngale kwemida emibili. - Abafundi abangalandeli kuhle inlayelo ngendlela efaneleko bayaphuma emdlalweni bangabe basadlala. 	<p>Umdlalo: ngemlanjeni (hlangana nemida emibili), ngaphandle komlambo (ngaphandle kwemida emibili)</p> <p>2 iinrobho ze gqups</p>	ilanga eji-1
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bajame amagadango ambalwa / kudanyana namathunga - Abaphosele imigodlana yembontjisi ngaphakathi kwethunga <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi bagwala iinthombe ezitjengisa umqondo waka-ngaphakathi nofana ngaphandle. 	<p>Ithunga nofana amathunga</p> <p>Iphepha namakhrayoni</p>	



IVEKE 7 Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembalu ngeveke			
linhloko	Amanothi atlidlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.1 Ubujamo, ukujayeza nokubukela	<p>• Hlathulula into eyodwa ebubuthathu 3-D ngokuyihlobanisa nomfundi: Phezulu/ phasi kwa/ngaphasi kwe</p> <p>Indawo/ ubjamo bezinto ezimbili nofana ngaphezulu nawuzihlobanisa nomfundi Phezulu/phasi- kwa/ngaphasi- kwe</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bona balandele iinlayelo ezinjengalezi:</p> <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 ukhwelele phezu kwetafula yakho - Khasa ngaphasi kwetafula uvale amehlo wakho. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bapake aboncantathu enye phezu kwenye. - Bapake iinkwere ezihlaza sasibhakabhaka esinye phezu kwesinye. - Babeke iindungulu ezibovu ngaphasi kweenkwere ezisarulana. - Beke iindulungu ezisarulana begodu naboncantathu ababovu phasi/ nangaphasi kwenkwere ezihlaza sasibhakabhaka. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utitjhere ulungisa amakarada aneenthombe phezu kwawo begodu namakarada anobujamo obuthize phezu kwawo. - Abafundi bafanele babeke ubujamo bezinto phezu-kwe/phasi-kwe/ngaphasi-kwesithombe njengokubawa kwakatitjhere. - Isib.beka isikwere esihlaza sasibhakabhaka ngaphezu komantji weentshelo. 	<p>Amabhlogo wokwakha /Amabhlogo we-yunifiksi</p> <p>Ubujamo beLogi</p> <p>Iinthombe ezihlukahlukeneke</p>  <p>Amakarada wobujamo</p> 	Ilanga li-1

IVEKE 7 Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembali ngeveke			
linhloko	Amanothi atlidlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
3.4 Isimethri	<p>Qinisekisa ilemuko lomuda wesimethri wokubanda phakathi kuwe (emzimbeni wakho)</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Batjho izitho zomzimba wabo - Vuma nofana ngiyiphi ingoma yomsikinyeko ephathelene nomzimba. <p>Utjitjhere utjengisa abafundi umqondo wesimethri ngokuhanga irobho phambi komfundi.</p> <ul style="list-style-type: none"> - Abafundi bafanele bacabange ukuthi imizimba yabo ihlukaniswe kabili.  <p>Utjitjhere 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, iindlebe, imikhono, imilenze njll. - Yoke into umuntu anayo ngayinye ibekeke emudeni 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 anghanghabeleko wamabhlegana". - Vundlisa imikhono, vundlisa imilenze lokha nabamatjhako. <p>Hlanganisa imisikinyeko le nobuKghwari boKwenza emaKgonweni wePilo.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Gwala iinthombe ezingakapheleli ephetjhaneni begodu ubawe abafundi bonyana baqedelele iinthombe. 	<p>Irobho yinye yokutjengisa Imizimba yabafundi</p> <p>Iinthombe ezingakapheleli</p>  	Ilanga li-1



IVEKE 7 Iskhathi Sokufundisa esitjhukunyisiweko Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yembali ngeveke			
linhloko	Amanothi atladlhulako	linsetjenziswa eziphakanyisiweyo	Ukulinganisa ubude besikhathi
<p>3.1 Ubujamo, ukujayeza nokubukela</p>	<p>Indawo/ ubjamo bezinto ezimbili nofana ngaphezulu nawuzihlobanisa nomfundi</p> <ul style="list-style-type: none"> - Phezulu naphasi <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Batjengise "phezulu" na "phasi" ngoku sikinya imizimba yabo iye phezulu naphasi ngokutayelwa ngutijhere. - Khwela iintebhe uye phezulu amgadango amabili lokha ubala inomboro zeentebhisi. - Yehla iintebhisi uye phasi lokha ubalako. - Khwelela uye "phezulu" " naphasi" eentweni ezingaphandle. - Khwelela uye " phasi" " naphazulu" erobheni yelere nangabe isikolo sinayo. - Qala phezulu naphasi. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere unikela abafundi iinthombe ezihlukahlukeneko lapho umqondo waphezulu naphasi utjengiswa khona. - Isib. Umuntu ukhwelela intaba ,ibhaloni yomoya iya phezulu emoyeni ibuye godu ize phasi, omunye owehla eentebhisini aye phasi njll. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukubona imiqondo ya "phezulu" na "phasi" eentombeni. 	<p>Vuma ingoma , "Iqhegu le"</p> <p>Sebenzisa iintepisi zasesikolweni wenze ijangel jimu (izinto zokukhwelela)</p> <p>Irobho, ukukhwelela ilere</p> <p>Iinthombe ezitjengisa phezulu naphasi isib. iintepisi</p> 	<p>Ilanga li-1</p>

Iveke 8 Isikhathi Sokufundisa esijhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	Iinsetjenziswa eziphatanyisiweyo		Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athadhlulako		Ilanga li-1
3.4 Isimethri	<p>• Ukuvundla umuda ophakathi wangaphakathi okufaka hlangana ukubala Okuphathelene nokusikinyeka komzimba Vumela abafundi:</p> <ul style="list-style-type: none"> - Basonge umzimba begodu beqe ngegido lokha nababalako. - Bajame bacalane, begodu bawahle ngokuphambanisa izandla (isandla sakho sesincele sibethe isandla somngani wakho sesincele, nesandla somngani wakho sokudla sibetha sakho sokudla) lokha nivuma ingoma/ umlozelo weenomboro enegido. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Phosele umngani wakhe ibholo lokha nababalako. - Khambe phezu kwerobho egobeneko lokha bavuma ingoma isib. "indlovu eyodwa encani iyadzimelela" - Rarhelane ibholo omunye komunye. <p>Umsetjenzana ongaphezulu ungahlanganiswa namaKgono wePilo.</p>		<p>Abafundi ingoma zeenomboro nemidunduzelo</p>  <p>Ibholo, irobho</p>
2.1 Amaphetheni weJiyomethri	<p>• UkuTlamba amaphetheni wakho Okuphathelene nokusikinyeka komzimba Vumel a abafundi batlame iphetheni basebenzise:</p> <ul style="list-style-type: none"> - Imizimba yabo isib. umtazana munye powembethe irogo, abasana ababili abambethe amabhrugu. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Sebenzisa izinto ezinobujamo obuhlukeneko ezibovu nezihlaza sasibhakabhaka isib. linkwere ezimbili ezihlaza sasibhakabhaka, aboncantathu ababili ababovu, iinkwere ezimbili ezihlaza sasibhakabhaka.</p> <ul style="list-style-type: none"> - Sebenzisa iphetheni ngesikhathi somsetjenzana wobuKghwari ngoku sebenzisa ipende ebovu nehlaza sasibhakabhaka ngemvadiwana zamabhodlelo. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) usebenzise imibala yesibili Vumela abafundi</p> <ul style="list-style-type: none"> - Ukusebenzisa 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) 		<p>Ilanga li-1</p> <p>Amajamo abovu nahlaza sasibhakabhaka weplastiki</p>  <p>UkuSebenzisa iimvalo zamabhodlelo neepende ehlaza sasibhakabhaka nebornvu</p>  <p>bovu hlaza bovu hlaza bovu hlaza</p> <p>Iphepha le A4 Ipende ehlaza satjani begodu nesalamune nofana omunye nomunye umbala onawo.</p>

Iveke 8 Isikhathi Sokufundisa esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
linhloko	Amanothi athhadhlulako	Iinsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi
<p>3.2</p> <p>Izinto ezibusontathu (3-D)</p>	<p>Ukukhumbula, ukubona nokutjho amagama wezinto zobujamo buka Sobathathu 3-D</p> <ul style="list-style-type: none"> • Qinisekisa izinto ezigedekako <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukudlala ngamabhodlelo wamaplastiki, amakotikoti, iimbholo, ilamune njll. begodu bahlole nekghonakalo yokuthi zingagedeka. <p>Utijjhere ubuza imibuzo:</p> <ul style="list-style-type: none"> - Ngimaphi amabhlogo ewugwaneni yamabhlogo akghona ukgedeka? - Amabhlogo angakwazi ukgedeka ngombana anamahlangothi anqophileko kuphela . - Geda izinto ezihlukeneko begodu uqale bona ngiyiphi egedekako begodu ngiyiphi engakghoni ukgedeka. - Abafundi kufanele babone bonyana izinto ezirondo ziyagedeka. 	<p>Amabhodlelo wamaplastiki</p> <p>Amabhlogo, amabhlogo we Lego</p> <p>Amakotikoti, amakomitji</p> <p>wamaplastiki, amarolo wamaphephawa ngendlwaneni, iinkeresi, ilamune, iimbho lo njll.</p>	<p>ilanga li-1</p>
<p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<ul style="list-style-type: none"> • Thuthukisa umqondo wekomba tjhuba ngokuthula imiqondo elandelako <p>“ngaphambili, /gemuvabegodu phambili/emuva ”</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <p>Ukulandela iinlayelo zikatitjhere (umfundi ubayedwana nofana njengelunga lesiqhema) begodu bakhambe nofana bazibeke endaweni ethize ngetlasini isib.</p> <ul style="list-style-type: none"> - Jama “ ngaphambi” kwetlasi. (thatha iingaphambili letlasi bonyana kulapho umnyango ungakhona) - Jama “ ngemuva” etlasini . - Khamba uye phambili nasemuva. - Khasa uye phambili nasemuva. - Yeqa uye phambili nasemuva. 	<p>Abafundi</p>	<p>ilanga li-1</p>

Iveke 8 Isikhathi Sokufundisa esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	linsetjenziswa eziphatanyisiweyo		Ukulinganisa ubude besikhathi
linhloko	Amanothi athadlhulako	linsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi
<p>3.1 Ubjamo, ukujayeza nokubukela</p>	<p>Utijjhere ugwala iphetheni eflurwini ngetijhogo nofana ehlabathini isib.</p>  <p>nofana</p>  <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Khamba begodu/ nofana ukukhasa emideni yamaphetheni. - Beka isiquntu sephepha elibovu emawugwaneni ukujamiselela amarobodo. <p>Lokha abafundi nebakha emawugwini kufanele bajike ngemizimba yabo yoke ukuze bathole imiqondo yekhombatjhuba.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukwenza indlela ngamabhlogo wokwakha. - Ukusunduza imoderana yokudlala iye phambili nasemuva 'endleleni' yamabhlogo wokwakha. - Ukusunduza imoderana yokudlala ngokujikela ehlangathini linye nangokujikela kwelinye ihlangathi " endleleni" yamabhlogo. 	<p>Ugwala ehlabathini</p> <p>Iphepha elibovu</p> <p>Amabhlogo wokwakha</p>	<p>Ilanga li-1</p>


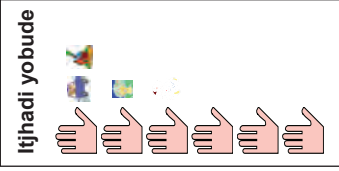
Iveke 8	Isikhathi Sokufundisa esijhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana	Amanothi athadhlulako	linsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi								
linhloko				llangali-1								
5.1 Ukubuthelela nokuhlela izinto ngemihlobo	<ul style="list-style-type: none"> • Yethula umqondo wokuphathwa kwe Datha ngoku (sebenzisa imizimba yabo) ukubuthelela izinto ngetlasini nofana ngebhodolukweni ngokuya ngobujamo/ ngamatshwayo abekiweko isibonelo: Okuphathelene nokusikinyeka komzimba: Hlukanisa abafundi ngeenqhema <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 esiqhemeni ngasinye - Ngalokhu ungazalisa “ igrafu yemizimba” yabesana begodu neyabantazana esiqhemeni ngasinye. 	Abafundi bajama ngamareyi ambili	<table border="1"> <thead> <tr> <th>Girls</th> <th>Boys</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td>3</td> </tr> </tbody> </table>	Girls	Boys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	3	
Girls	Boys											
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<input type="checkbox"/>	<input type="checkbox"/>											
2	3											
5.2 Ukujamiselela ibuthelelo lezinto eihlelekileko	<p>Gwala igrafu ukujengisa idatha</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bangasebenzisa ilwazi elingehla ukuthuthukisa umqondo wegrafu yezinto ezibusontathu 3-D ngokusebenzisa amabhlogo/ ubujamo njll ukujamela umfundi ngamunye. 											
5.3 Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko	<p>Ukufunda begodu nokujamisa igradu</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi benza igradu ngokusebenzisa ihlama yokudlala ukwenza iimbhodlwana ezincani ukujamisa ihlathululo yabo ngomsetjenzana abawenzileko. - Nikela abafundi amaphepha anesithombe somntazana nesomsana zibekwa phezu kwephepha lomunye nomunye umfundi. - Vumela abafundi ukugeda iimbholo ukujamiselela inani/ inomboro yabantazana nabesana enqheemeni zabo. - Abafundi babeka inomboro ethize yeemholo ngaphasi kwesithombe ezifaneleko. 	Ihlama Iphepha A4										

Week 9 Isikhathi Sokufundisa esijhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
linhloko	Amanothi athadhlulako	linsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi
3.2 Izinto ezibusontathu (3-D)	<p>• Ukuhlola izinto ezitjhelelako nezigedekako</p> <p>Utijhere ubamba ibhola ayibhampise eflurini. Uligeda eflurini.</p> <p>Utijhere godu uthatha ibhoksi enze njengombana bekasenza lokha enza ngebhola.</p> <p>Utijhere ubuza abafundi:</p> <ul style="list-style-type: none"> - Ngiziphi izinto ezigedekako? - Kubayini ibhoksi lingadedeki? - Ngiziphi izinto ezitjhelelako? <p>Utijhere ufjengisa abafundi ukuthi ibhoksi linamahlangothi amane(amawugu) ngalokho-ke alikwazi ukugedeka begodu ibhola alinawo amawugu begodu liyakhwazi ukugedeka.</p> <ul style="list-style-type: none"> - Khuthaza abafundi bona bathole izinto ngetlasini ezikwaziko ukugedeka begodu ezitjhelelako. - Buza abafundi bona bangathola izinto ezingagedeka begodu zitjhelele. 	 <p style="text-align: center;">Ibhola</p>  <p style="text-align: center;">Ibhoksi</p>	ilianga li-1

Week 9 Isikhathi Sokufundisa esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphatkanyisiweyo	Ukulinganisa ubude besikhathi
3.3 Ubujamo obubusobubili (2-D)	<p>Ukukhumbula ,ukubona nokutjho amagama wezinto neenthombe ezinobujamo obubusobubili 2-D ngetlasini</p> <ul style="list-style-type: none"> - Iindulungu • Qinisa indulungu <p>Okuphathelene nokunyakazisa umzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuthi basebenzise iminwana yabo ukwenza iindulungu - Ukuthi basebenzise izandla zombili ukwenza iindulungu - Ukuhlala phezu kwemada , benze indulungu lokha babambene ngezandla. - Bakhamba phezu kwendulungu ekulu,eyenziwe ngentambo, phezu komada. - Badlala umdlalo lokha abafundi bahlezi benza indulungu begodu bavume nengoma. <ul style="list-style-type: none"> o Munye wabafundi ujama ngaphandle kwendulungu, agjime begodu ayizungeleze lokha abambe ibholo esandleni sakhe. o Umfundi uyazikhethela ukubeka ibholo ngemuva komunye umfundi kilaba abahlezi benza indulungu o Umfundi okhethiweko kufanele adobhe ibholo engemuva kwakhe azame ukuphosa umfundi loya ngebholo, lokha nakagijima azombeleza indulungu yabafundi agijimela ukuyokuhlala endaweni enganamuntu. o Nangabe ibholo ithinta umfundi obalekako, umfundi loyo kufanele ahlale ngaphakathi kwendulungu, umdlalo wona uragela phambili. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Thola izinto ezironde nofana ezizindulungu ngetlasini - Thola amajamo ajamele indulungu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere utjho amagama wezinto lokha abafundi bajjho/bakhomba bona ngiziphi izinto ezironde/ndulunga isib.ilamune, ihabhula, itafula, ibholo, imabula, incwadi, ibhoksi njll. 	<p>Abafundi</p> <p>Intambo</p> <p>Ibholo leenyawo, ibholo yetenese, ibholo yegolfu, Amahabhula, ilamune, amawupsi, njll.</p> <p>ilamune,ihabhula, itafula, ibholo, umabula, incwadi, ibhoksi,</p>	Ilanga li-1

Week 9 Isikhathi Sokufundisa esijhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi
3.1 Ubuqamo, ukujayeza nokubukela	<p>Ubuqamo bento yinye nofana zimbili lokha uzihlobanisa enye kwenye</p> <ul style="list-style-type: none"> • Imiqondo ethi eduze/hlangana okufaka hlangana nombala <p>Okuphathelene nokusikinyeka komzimba</p> <p>Utijhere ubiza abafundi abathathu</p> <p>Ukhombisa/ utjengisa imiqondo yeduze- kwe, begodu no hlangana –ne ngokuhlela abafundi ngezindlela ezihlukahlukeneko lokha kuthiwa:</p> <ul style="list-style-type: none"> - UKholiwei ujame eduze kuka Stefani - UMMeli ujame hlangana noKholiwe noStefani <p>Umsetjenzana lo ungabuyelelwa nabanye abafundi.</p> <p>Utijhere unikela abafundi amabhlogo wokwaka wemibalabala ehlukehlukeneko begodu abanikele iinlayelo ezifana nalezi:</p> <ul style="list-style-type: none"> - Beka ibhlogo elibovu eduze nebhlogo elisarulana - Beka ibhlogo ehlaza sasibhakabhaka hlangana nebhlogo elibovu nelisarulana. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Ngokusebenzisa imigodlana yemhontjisi enemibala ehlukehlukeneko (bovu, hlaza sasibhakabhaka, sarulana, hlaza satjani) nikela abafundi iinlayelo bona:</p> <ul style="list-style-type: none"> - Beka umigodlana weemhontjisi ohlaza sasibhakabhaka eduze nomgodlana weemhontjisi osarulana. - Beka umgodlana weemhontjisi obovu hlangana nomgodlana weemhontjisi ohlaza sasibhakabhaka nosarulani. <p>Umsetjenzana lo, ungafakwa hlangana kwezamaKghono wePilo.</p>	Amabhlogo wemibalabala	Ilanga li-1

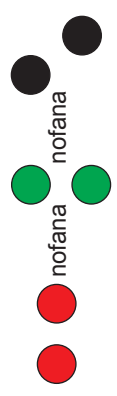
Week 9 Isikhathi Sokufundisa esijhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutitjhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphatanyisiweyo	Ukulinganisa ubude besikhathi
3.2 Izinto ezibusontathu (3-D)	<p>Hlela amabuthulelo adlulako kwamabili wezinto onikelwe zona kusuka kwencani khulu ukuya kwekulu khulu</p> <p>Okuphathelene nokunyakazisa komzimba:</p> <p>Nikela abafundi ihlama yokudlala begodu ubavumele benze iimbholo ngehlama.</p> <ul style="list-style-type: none"> - Eeqhemeni zabo, abafundi bahlela iimbholo ezenziwe ngehlama kusuka kwencani khulu ukuya kwekulu khulu begodu kusuka kwekulu khulu uye kwencani khulu. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Elinye nelinye ilungu lesiqhema kufanele lithole into ngetlasini. - Vumela abafundi bahlele izinto abazitholileko kusuka kwencani khulu ukuya kwekulu khulu eenqhemeni zabo. <p>UTitjhere unikela esinye nesinye isiqhema incwadi yakade yenomboro zemitato.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukudabula amaphepha encwadini yeenomboro zemitato, bazijhwabanise benze iimbhodlwana eenqhemeni zabo. - Abafundi kufanele bamadanise ukuthi ngiyiphi ibholo ekulu khulu begodu ngiyiphi encani. Khulu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke 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>Ihlama yokudlala</p> <p>Nofana ngiziphi yezinto ngetlasini</p> <p>Iincwadi zakade zeenkomba zemitato</p> <p>A4 yephepha elinenthombe</p>	<p>ilianga 1</p>



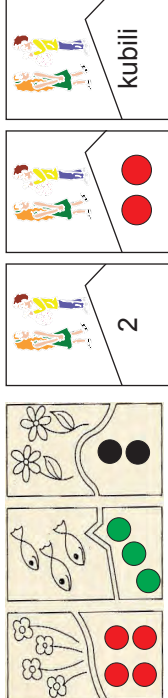
Isikhathi Sokufundisa esitjhukunyisiweko: Umsebenzi wetlasi owodwa ohleliweyo okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana			
Week 9	linhloko	Amanothi athhadhlulako	linsetjenziswa eziphatanyisiweyo
4.2 Ubude	<p>Madanisa begodu uhlele ngokuphathekako izinto ngokusebenzisa ilwazi magama elifaneleko ukuhlathulula “ukuphakama”</p> <ul style="list-style-type: none"> • Ukwethula umqondo “wukuphakama” - Ubude khulu / fitjhani khulu, - yide-khulu / fitjhani khulu) <p>Okuphathelele nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubiza abafundi aba- 4 begodu abawe isizo labafundi ukuthi bamrhelebbe ukuhlela abafundi kusuka komude ukuya ngobkomfitjhani. - Vumela abafundi bazihlele ngokwabo eenqhemeni zabo ukusuka komude ukuya komfitjhani. - Umfundi munye ujama asame ngeboda lokha omunye welunga labo amumeda ubude bakhe ngezandla 		<p>Ukulinganisa ubude besikhathi</p> <p>Ilanga li-1</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Utijhere ubeka izinto ezihlukahlukeneko etafuleni yesinye nesinye isiqhema okufana neenrula, amapensela, amakhrayoni, amaraba njll.</p> <ul style="list-style-type: none"> - Hlela zoke izinto ezide nezinto ezifitjhani ndawonye. - Abafundi kufanele bahlele izinto kusukela kwezide khulu ukuya kwezifitjhani khulu. <p>Itijhadi lobude</p> <ul style="list-style-type: none"> - Utijhere unetjhadi lobude ebodeni eilungiselelwe ukumeda ubude baloyo naloyo mfundi. - Sebenzisa amakarada wamatshwayo wabafundi ukubonisa ubude baloyo mfundi etijhadini lobude. - Utijhere 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 njll.</p> <p>Ubude bukaSipho zizandla ezisi-6</p> <p>Ubude buka Abi zizandla ezi-5</p> <div style="border: 1px solid black; padding: 5px;"> <p>Itijhadi yobude</p>  </div>	

IVEKE YE-10	Sebenzisa iveke ye-10 ukutjheja nokuqinisa imiqondo begodu /nofana iinqabo zokufunda ezitholakeleko
OKUMUMETHWEKO	Indlela yokuhlola
Iinomboro, amapharefjhini noBudlelwano	<p>Ukulinganisa begodu nokubala okungakahleleki ukufika ku-5 (iingoma zeenomboro nemidunduzelo ifaka hiangana ukuthuthukisa umqondo wenomboro)</p> <p>Ukubona iinomboro emajamweni ajayelekileko-isib umnyaka, irejista</p> <p>Ukuzwisisa iinomboro sikhundla (isib. Ngesikhathi somsebenzi wangamalanga wangendwaneni yokuphumela)</p> <p>Ukuzwisisa khunye nakhunye okukhambisanako (itjhadhi lomsizi ngesikhathi seenqabuli)</p> <p>Ukubona iinthombe zeenomboro begodu namakarada wamacatjhazi abandakanya inomboro kunye</p> <p>Ukwazi itshwayo lenomboro 1</p> <p>Ukukhumbula igama lenomboro kunye</p> <p>Ukusebenzisa iinsetjenziswa eziphathekako</p> <p>Ukuhlathulula ukucabanga kwakhe ngamagama nofana ngokugwala nofana izinto eziphathekako</p> <p>Ukubona amaphetheni ebhodulukweni</p> <p>Kopa, ungezelele begodu utlame amaphetheni wakho</p> <p>Ukwazi ngaphambi kwe, ngemuva kwe</p> <p>Ukwazi ngaphezulu, phezu kwe, ngaphasi kwe, ngenzasi</p> <p>Ukwazi ukuthi ngaphakathi, ngaphandle</p> <p>Ukwazi phasi, phezulu</p> <p>Ukuzwisisa imiqondo:ukuya phambili, ukuya emuva, phambili nemuva</p> <p>Ukukhumbula, ukubona nokutjho amagama weemholo</p> <p>Ukukhumbula, ukubona nokutjho amagama wamabhoksi</p> <p>Ukukhumbula, ukubona nokutjho itshwayo lakhe, itshwayo lomngani wakhebegodu negama letiasi</p> <p>Ukwakha okungasenani iphazeli yeentokana ezisi -6</p> <p>Ukutjengisa ikghono lokuhlukanisa hiangana nezinto "ezinqotjhiweko begodu nezinto ezingakanqotjhiwa."</p> <p>Ukubona nokukhumbula indulungu.</p> <p>Ukubona nokukhumbula uncantathu</p> <p>Ukubona nokukhumbula isikwere</p> <p>Ukumadanisa bonyana ngiliphi lamabutholelo amabili wezinto aniklelweko elikhudlwana, ncazana, khulu khulu, ncani khulu</p> <p>Ukuhlela izinto ngama: sayizi/ ubukhulu – ezikulu nezincani</p> <p>Umbala – Imibala esisekelo (obomvu, osarulani, ohlaza sasibhakabhaka</p> <p>Ubujiama – indulungu, uncantathu, nesikwere</p> <p>Izinto ezigedekako</p> <p>Izinto ezitjhelelako</p>
Amaphetheni namaFankjhini	<p>1.6</p> <p>Ukurarulula imiraro</p> <p>2.1</p> <p>amaphetheni weJiyomethri</p>
Isikhala nobujamo (iJiyomethri)	<p>3.1</p> <p>Ubujiama, ukuzijayeza nokubukela</p> <p>3.2</p> <p>Izinto ezibusobuntathu (3-D) begodu</p> <p>3.3</p> <p>amajamo abusobubili (2-D)</p>


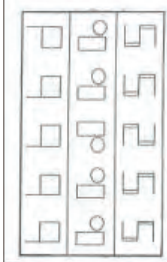


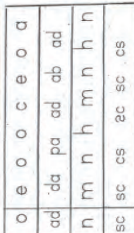
IVEKE YE-10 OKUMUMETHWEKO	Sebenzisa iveke ye-10 ukujijheja nokuqinisa imiqondo begodu /nofana iinqabo zokufunda ezitholakeleko Indlela yokuhlola
Isikhala nobujamo (iJiyomethri)	Iinhloko 3.4 Isimethri Ukubona umuda wesimethri Kuye
Ukumeda	4.1 Isikhathi Ukusebenzisa amagama afana nokuthi imini, ubusuku, khanya begodu nzima, ekuseni, emini , ntambama, ukuhlathulula isikhathi selanga Hlela izehlakalo ezizibuyelelako zepilo yakhe yangamalanga (iHlelo Langamalanga) Ukutjengisa itemuko lamalanga weveke, isikhathi sonyaka begodu nobujamo bezulu Ukwazi itanga lakhe lamabeletho
Ukuphatha idatha	4.2 Ubude 5.1 Ukubuthela nokuhlela izinto 5.2 Ukujamisela ibuthelolelo lezinto ezihleliweko 5.3 Ukucocisana nokuletha umbiko ngezinto ezisebuthelweni elihleliweko. Hlukanisa hlangana kobude, ubudanyana, ubude khulu, fiqhani, fiqjazana, fiqhani khulu(iqjhadi lobude) Ukwazi ukubuthelolela, ukuhlela, ukugwala, ukufunda begodu nokujamiselela (tsenga) izinto ngokuya ngetshwayo elilodwa.

ITHEMU YESI -2 IIMBALO IGREYIDI R			
Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)		
linhloko	Amanothi wokutlhadlhula	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
1.1 Ukubala izinto	<p>• Ukwethula ihiathululo yenomboro uku-2 Zomlomo: Bala izinto zangamalanga ukufika ku-2 Ukubala uye phambili begodu uye emuva ukufika ku-2. Ukubala okungakahleleki 1-7</p> <p>Ukuqinisa imiqondo yo: kunengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-2.</p> <p>Okuphathelene kokusikinyeka komzimba Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Bize abafundi aba-2 ngaphambili. Ba bale - Bale iintulo , iintafula ezi-2,njll - Bona izinto ezikhamba ngaziimbili emzimbeni njengamehlo, iindlebe, izandla, imilenze,iinyawo, amadolo, amahlombe, njll. - Benze igido elenziwa ngezitho zomzimba, wahla izandla kabili, vuma ngehloko kabili,ukubetha ngenyawo kabili,nofana ukweqa kabili - Phakamise imino emi-2, izandla ezi-2, iinyawo ezimbili 	<p>linthombe ezimbili zeenyoni zokubala ingoma - “inyoni ezimbili ezincani zikaDickey”</p> <p>Imizimba yabafundi</p>	ilanga li-1

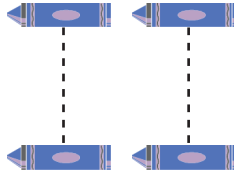

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)		
linhloko	Amanothi wokutlhadlhula	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako 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, njll - Bathuthukise ilemuko lokuthi inomboro ihlala injalo noma ungayijamiselela ngani ngokuvumela abafundi babeke izinto zokubala ezimbili nofana ezinye izinto ngeendlela ezihlukahlukene, isib. <div style="text-align: center;">  <p>nofana nofana</p> </div> <p>Lokha nawubalako, inomboro yezinto ayithikanyezwa bukhulu nofana ubujamo, nofana indawo, nanyana zingezemihlobo efanako, isibonele:</p> <ul style="list-style-type: none"> - Hlela iinkunibhe ezi-2, amapensela ama-2, amawupsi ama-2, abafundi aba-2, njll - Zibale ngendlela ehluahlukileko, isib. Zibale zirhatjhekile, zihlalelene, zisemudeni nofana zipakelene. 	<p>izinto zokubala ezi-2 nofana izinto ezi-2 zomfundi ngamunye</p>	<p>ilanga li-1</p>


Iveke ye-11 Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
<p>Amanothi wokutlhadlhula</p> <p>1.3 Amatshwayo weenomboro namabizo weenomboro</p> <p>Ukwazi itshwayo lenomboro begodu nokukhumbula igama lenomboro elifaka hlangana inomboro u -2</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Metjhisa amakarada weenthombe aneenthombe ezi-2 kiwo namakarada amabili anamachatjhaza amabili kiwo - Tjengisa amafletjhikarada anesithombe senomboro zezinto ezikhethiweko kilo, isib. ipara yamanyathelo, amakhrayoni amabili, njll - Vumela abafundi bafune izinto zenomboro ezifanako ngekumbeni yokufundela. - Ukubona amafletjhikarada aneenomboro zeenthombe ezihlukeneko - Ukubona amafletjhikarada anatshwayo lenomboro u-2 - Ukukhumbula amafletjhikarada ngegama lenomboro - Hlobanisa itshwayo lenomboro u-2 nenani lezinto begodu nenani lamaqatjhazi - Hlobanisa igama lenomboro nekarada letshwayo lenomboro , inani leenthombe begodunenani lamakarada wamaqatjhazi. - Hlanganisa amafletjhikarada wenomboro uku-1 begodu uvumele abafundi bona babone inomboro 1 begodu no 2 - Kwenza amaphazeli weenomboro begodu vumela abafundi bawamethjise, isib. 	<p>Amafletjhikarada weenomboro anezinto ezimbili.</p> <p>Izinto ezingkumbeni yokufundela begodu nebhodulukweni.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 10px;"> <p>Iinthombe zezinto ezi- 2</p>  </div> <p>Iffletjhikarada elineenthombe ezimbili, amaqatjhazi, itshwayo lenomboro.begodu negama lenomboro</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Isi- thombe sento 2</p> </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>2</p> </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>kubili</p> </div> </div>	<p>ilanga li-1</p>
		


Iveke ye-11 Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	Ubude besikhathi Ubude besikhathi	linsetjenziswa eziphakanyisiweko	Amanothi wokutlhadlhula
linhloko 3.2 Izinto ezibusontathu (3-D)	ilanga li-1		<ul style="list-style-type: none"> • Ukuhlathulula, ukuhlela begodu nokumadanisa izinto ezibusontathu (3-D) begodu namajamo abusobubili (2-D) ngokuya; <ul style="list-style-type: none"> - Ngokufanako begodu nokuhlukileko Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Khethe abantazana ababili ngokusebenzisa umdunuzelo wokubala - Abanye abafundi babona bonyana abantazana ababili bafana ngani? - Khethe umsana begodu nomntazana ngokusebenzisa umdunuzelo wokubala - Abanye abafundi babona bonyana umsana nomntazana bahluke ngani - Ngababii umfundi oyedwa "ujama" ngendlela ethize begodu omunye umfundi ufanele akope ukujama komunye ngokunembako - Umfundi munye ujama izandla zakhe azibeke ehloko begodu nangenyawo linye. Omunye lo ukopa "ubujamo" lobo. - Hlela abafundi ngokuya ngobulili, labo abambethe amanyathelo, nalabo abambethe amapatlagwana, begodu nalabo abangakambathi amanyathelo. - Bizela abafundi laba ngaphambili. <ul style="list-style-type: none"> o Abentazana nabesana abambethe amabhruyu, nomntazana ombethe irogo o Boke abantwana abembethe amanyathelo, namunye ongakambathi amanyathelo - Buza imibuzo efana nokuthi: " Ngimuphi umfundi ongakhambeleni nabanye? Ngimuphi umfundi ohlukileko?"

Iveke ye-11	Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)
linhloko	Amanothi wokuthadhula
<p>3.2 Izinto ezibusontathu (3-D)</p>	<p>linsetjenziswa eziphakanyisiweko</p> <p>Zenzele amakarada wakho wemidlalo amadanako njengesibonelweni esingenzasi</p>  <p>Ubujamo obubusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi ababili babhampisa amabhola: ibholo ekulu nebhola encani - Abanye abafundi babona bonyana kungayiphi indlela lapho iimbholo zifana khona begodu ngikuphi ezihluka ngakho. - Umfundi munye ugeda ilamuna, omunye ugeda ibholo. - Abanye abafundi babona bonyana kungayiphi indlela lapho ibholo nelamune zifana khona begodu ngikuphi ezihluka ngakho. - Abafundi batjheja amanyathela wabesana begodu namapatlagwana wabentazana - Abanye abafundi babona bonyana kungaziphi iindlela lapho amanyathelo afana begodu ahluke ngakho. - Abafundi bafunyana izinto ezifanako ezingekumbeni yokufundela. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Nikela amakarada womdlalo amejhako ukuthuthukisa okufanako begodu nokuhlukileko, isib.   <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Ragela phambili emakaradeni abudisana ngokukhamba komnyaka. Abafundi abakafaneli bonyana bafunde amaledere, isib.  
	<p>Ukulinganisa Ubude besikhathi</p> <p>ilanga li-1</p> <p>amakarada akhambelenako wemidlalo</p>


Iveke ye-11 Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
linhloko	Amanothi wokuthadhula	
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p style="text-align: center;">Amanothi wokuthadhula</p> <ul style="list-style-type: none"> • Hlela begodu madanisa ibuthelelo lezinto ngokusebenzisa "kulingana na" nofana "kufana na" <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Thuthukise imiqondo wokufanako begodu nomqondo wokuhlukileko. - Madanisa imino yabo neenzwani zabo. Nanyana zifana ngenani ziqaleka zihlukile. - Madanisa imino, izinzwani namehlo. Ziqaleka zingafani. Sinenani elilinganako lemimo neenzwani zili-10 kodwana sinamehlo amabili kwaphela.. - Madanisa iindlebe, imikhono, imilenze begodu neenyawo. Ziqaleka zihlukile kodwana ziyafana /lingana ngenani, zimbili ngayinye. - Uthitjhera ugwala iindulungu ezimbili phasi nofana wenza iindulungu ezimbili ngentambo phasi. Layela abafundi bonyana bazihlukanise kabili ukuze kubenenani labafundi elilinganako endulungini ngayinye. Bala inani labafundi. Khomba bonyana inqhema ziyalingana . 	ilanga li-1

Iveke ye-11		Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	
linhloko	Amanothi wokutlhadlhula	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Ukusebenzisa izinto eziphathekeko ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Thuthukisa imiqondo yokufanako nokuhlukileko - Beka isede yamatshwayo wabafundi phakathi kwekhaphethe. - Nikela umfundi ngamunye itshwayo lakhe lekarada. Abafundi bazama ukumadanisa amatshwayo wabo nalawo afanako asekhaphetheni. - Beka ibuthelelo lezinto etafuleni begodu uzihlukanise ngokulinganako (yinye yakho, yinye yami) <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Beka izinto ezimbili zemihlobo efanako, isib. Amakhrayoni, ereyini etafuleni. Bawa umfundi oyelele amadanise linye lamakhrayoni wakathijhera nalinye lakhe. (Abafundi bafanele bathathe amakhrayoni amabii ukumadanisa inani lamakhrayoni kathijhera. "Kwanje sinenani elilinganako elifanako lamakhrayoni". 2. Buyelela umsebenzi ofanako ofana nongehla ngezinto ez-4 nezisi-6 ukuze abantwana bazwize imiqondo "yokufanako/yokulinganako" 3. Uthijhera ubeka amabhlogo amabii ngeroyi etafuleni. Unikela abafundi ababii ibhlogo ngamunye. Ubawa abafundi bona bamadanise ibhlogo labo nelakhe. (Abafundi bafanele ngamunye bayokuthatha elinye ibhlogo lokumadanisa amabhlogo amabii katijhera) <p>"Njenganje umuntu ngamunye unamabhlogo ama-2. Sinenani elilinganako lamabhlogo"</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 5px;"></div> </div> <div style="text-align: center; margin-top: 5px; font-size: 8px;"> Onderwyser blokke </div>		<p>ilanga li-1</p>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bonyana bamadanise isithombe begodu namafejhikarada anamaqatjhazi. - Nikela amakarada wemidlalo amadanako ngesikhathi sokudlala ngokutjhapuhuluka ngaphakathi lapho abafundi bahlukanisa khona hlangana nokufanako begodu nokuhlukileko. 		<p>Amabhlogo</p>

Iveke ye-11 Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Ubude besikhathi Ubude besikhathi	linsetjenziswa eziphakanyisiweko	Amanothi wokutlhadlhula	Ubude besikhathi Ubude besikhathi
Iveke ye-11	Ubude besikhathi	linsetjenziswa eziphakanyisiweko	Amanothi wokutlhadlhula	Ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	Ilanga li-1		<p>• Hlela begodu umadanise ibuthelele lezinto ngokusebenzisa “ngaphezu kwa”</p> <p>Zomlomo: Bala izinto zangamalanga ukufikela enomborweni u-2.</p> <p>Qinisa imiqondo “ nengi” begodu mbadlwana”.</p> <p>Wahla izandla kanengi....JAMA</p> <p>Wahla izandla amahlandla ambadlwana.Utjijhera uwahla izandla ukufika enomborweni yesi-2.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Abafundi batjho bonyana ngiiphi lamabuthelele wezinto amabili 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 eminenengi?” - Khepha abafundi aba-3 ngokusebenzisa umdunduzelo wokubala. Babuthelele ngeenqhema zangai-2 begodu nanga-1 <p style="text-align: center;">  </p> <ul style="list-style-type: none"> - Bala bonyana bangaki abafundi esiqhemeni ngasinye. Madanisa iinqhema ezimbili begodu ubuze imibuzo efana nokuthi: “ Ngisiphi isiqhema esinabafundi abanengi?” <p>Ngisiphi isiqhema esinabafundi abanengi kunoyedw?”</p>	


Iveke ye-11 Ubude besikhathi esiphakanyisweko : Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)			
linhloko	Amanothi wokutlhadlhula	linsetjenziswa eziphakanyisiweko	Ukulinganisa Ubude besikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka iinkere ezi-2, izinto zokubala ezi-3 begodu namakhrayoni ama-4 etafuleni . - Buza imibuzo efana nokuthi: “Ngiziphi iinqhema ezinezinto ezinengi. Ngisiphi isiqhema esinokunengi ukudlula seenkere?” Ngisiphi isiqhema esinezinto zokubala ezingaphezulu kweentathu? - Beka izinto ezihlukahlukeneko eziphathekako (amaqephe, amatije, amaprobho, njll) etafuleni. Zihlele ngeenqhema (amaprobho 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. - Ukuhlanganisa: Ilimumathi kufanele zinikelwe abafundi ngesikhathi sokudlala ngamanzi begodu nesokudlala ngesanda ukubanikela ithuba lokusebenza ngokulinga ngemiqondo efana nokuthi kunengi kuna, kuncani kuna, kulingana na. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bamadanise isithombe begodu namafletjhi karada wamaqatjhazi. Thola amakarada anenani elidlula lelo olinikelwe ngutijhera, isib. - Utijhera uthi: Thola ikarada elineenthombe zanamaqatjhazi angaphezu kwama-2 - Mejhisa amakarada anezinto nofana izinto zokubala ezinenani elilinganako (pakela into yokubala phezulu kweqatjhazi nofana isithombe) 	<p>Nanyana ngiziphi izinto ezingekumbeni yokufundela</p>	<p>Ilanga li-1</p>
		<p>Iinthombe namafletjhi karada anamaqatjhazi</p> <p>Izinto zokubala</p>	

Iveke ye-12	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)		
linhloko	Amanothi Wokuthadhula	Ilinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukukhumbula begodu nokubona itshwayo lenomboro begodu negama lenomboro efaka hlangana inomboro ku - 2</p> <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:” kunengi” begodu “mbadlwana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-2.</p>	<p>lingoma nemidunduzelo yeenomboro</p>	<p>llanga li-1,</p>
	<p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babhampise ibholo kanye, ngamanye amagama ihlandla li-1 - Babhampise ibholo kabili, ngamanye amagama amahlandla ama-2 - Bagwale inomboro ukubili phasi begodu vumela abafundi bakhambe inomboro ukubili. - Bagwale itshwayo ukubili esandeni, emoyeni, emadini, njll. - Benze inomboro uku-2 ngehlama yokudlala. - Bathole abangani aba-2 abambethe amanyathelo. 	<p>Amabholo ihlama yokudlala</p>	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Dobhe into yinye yokubala . - Dobhe izinto ezimbili zokubala. 	<p>Izinto zokubala</p>	

Iveke ye-12	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalon ngeveke)		
linhloko	Amanothi Wokuthadhula	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babone ifetjhiharada yesithombe begodu bawahlobanise nenani elifanako lezinto. - Babone amafetjhiharada ameregwe ngamaqajhazi amabili begodu bawahlobanise nenani elifanako lezinto. - Ukubona amafetjhiharada wamatshwayo weenomboro begodu namafetjhiharada wamagama weenomboro begodu bawahlobanisa nenani elifanako lezinto zokubala. - Babone itshwayo lenomboro ku - 2 eenthombeni ezinikelwe ngutijhera. - Kukuphi lapho okhunye la ungabona khona inomboro ku-2 ngekumbeni - Hlukanisa itlasi ngeenqhema. Banikele ithuba lokudlala ngamadomino weenomboro eenqhemeni zabo. 	<p>Amafetjhiharada aneentomb e ezimbili, amaqajhazi, itshwayo lenomborobegodu negama lenomboro.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isi- thombe sento 2</p> </div> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>2</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>two</p> </div> </div> </div> <p>Izinto zokubaka</p> <p>Isithombe lapho kubonakala khona itshwayo lenomboro uku-2</p>	<p>Ilanga li-1,</p>

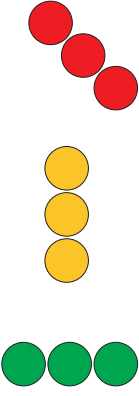
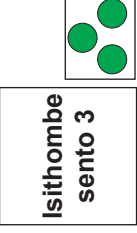
Iveke ye-12 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
linhloko	Amanothi Wokuthadhula	
1.7 Ukuhlanganisa nokukhupha	<p>• Ukurulula begodu nokuhlathulula iinsombululo zemiraro yamagama ngomlomo (iindatjana zeembalalo) eziphathelene nenomboro ku- 2</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>limbonelo:</p> <p>Utijhera ubizela umfundi mu-1 ngaphambili. Abafundi bayambala. Utijhera ubiza omunye o-1 begodu abuze bonyana: Bangaki abafundi nababoke? Ku-1 na ku-1 → 2.(Utijhera uthi: ku-1 na ku-1 kwenza ku- 2)</p> <ol style="list-style-type: none"> 1. Utijhera ubeka isitulo si-1. Ngeza ngasi-1 ngaphezulu. Zingaki iintulo nazizoke? Ku- 1 na ku 1 → ku-2. 2. Utijhera uphakamisela imino emi-2 phezulu. Begodu uthi: "Bala imino yami. Lokha nangifihla umuno munye, mingaki imino oyibonako? ku-2 khupha ku-1 → 1 3. Utijhera uphakamisela imino emi-2 phezulu. Begodu uthi: "Bala imino yami. Nangingakhuphi namunye umuno, mingaki imino oyibonako? ku-2 khupha i-0 → 2 4. Kunomntwana munye ekhaya. Munye uza ukuzokudlala. Bangaki abantwana nasele baboke na? 5. Kunabantwana ababili etafuleni. Umntwana ngamunye ufuna isitulo sakhe. Ziintulo ezingaki ezifunekako na? <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Isibonelo: (Sebenzisa izinto zokubala)</p> <ol style="list-style-type: none"> 1. Lokha unekuke linye begodu umma wakho akunikela elinye, uzokuba namakuke amangaki? 2. Utijhera unezinto zokubala ezimbili esandleni sinye begodu akanazo kesinye isandla. Unezinto zokubala ezingaki sele zizoke na? 3. UKosabo uneemholo ezi-2, begodu ibholo yi-1 eyeqayeqa ikhambe. Zingaki iimbholo uKosabo asele nazo na? 4. Lokha unamabhlogo ama-2 begodu upha umngani wakho ibhlogo li-1, Mangaki amabhlogo enizokuba nawo umuntu ngamunye na? 	<p>lingoma nemidunduzelo yeenomboro</p> <p>Izinto zokubala(nawunganawo amakuke)</p> <p>Izinto zokubala iimbholo</p> <p>Amabhlogo</p>



Iiveke ye-12 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)			
Iinhloko	Amanothi Wokuthadhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Hlela begodu umadanisa ibuthelelo lezinto ngokusebenzisa “kuncani kuna”</p> <p>Zomlomo: Bala izinto zangamalanga ukufika enombonweni ku- 2. Ukuqinisa imiqondo yo: kunengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi.... JAMA. Ukuwahla izandla amahlandla ambadlwana. 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: Iinhloko namahlombe, amadolo neemzwani” ukuvuma igama elinye nelinye ihlandla lokuthoma. - Ehlandleni elilandelako awulivumi igama lokugcina, isib. “Iinhloko namahlombe, amadolo na, amadolo naamadolo na...” - Vuma ingoma, ungalivumi godu elinye igama lokugcina, isib. Iinhloko namahlombe, na....., nana.....” - Utijhera ukhomba bonyana njalo nabavumako kususwa linye igama bekufike lapho okungasana gama elivunywako. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Utijhera wenza iintambo ezine zemincamo. Faka imincamo emi-3 entanjeni yokuthoma, imincamo emi-2 entanjeni yesibili, umncamo munye entanjeni yesithathu begodu imincamo emi-3 entanjeni yesine. Vumela abafundi bonyana babone bonyana:</p> <ul style="list-style-type: none"> - Ngijiphi intambo enomncamo omncani khulu? - Ngijiphi intambo yomncamo ena-1 ngaphezu kwentambo enemincamo emi-2? - Ngijiphi intambo yomncamo ena-1 ngaphasi kwentambo enemincamo emi-3? 	<p>Iingoma nemidunduzelo yeenomboro</p> <p>Umvumo: “ Iinhlo amahlombe, amadolo neemzwani”</p> <p>Iintambo ezine ezinenani lemincamo elihlukahlukeneko .</p>	Ilanga li-1

Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)			
Iiveke ye-12	Amanothi Wokuthadhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
linhloko			Ilanga li-1
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bamadanise iinthombe namafetjhi karada 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.	
	<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>Utijhera wenza iintambo ezimbili zemincamo. Faka imincamo emi-3 entanjani yokuthoma, imincamo emi-2 entanjani yesibili,</p> <p>Vumela abafundi babone bonyana:</p> <ul style="list-style-type: none"> - Ngijiphi intambo enemincamo emincani khulu? - Ngijiphi intambo enemincamo emininengi? - Ngijiphi intambo yemincamo enemincamo engaphezu kwemi-2? - Ngijiphi intambo yemincamo enemincamo engaphasi kwemi-3? <p>Ukuhlanganisa nobuKghwari obuBonakalako lapho abafundi baphothela khona amastro, amatjhipsi weplastiki, baquntula amajamo asikiweko anentunja evuliweko phakathi, amakari, njll.</p>	lingoma nemidunduzelo yeenomboro	Intambo ezimbili ezinenani lemincamo ehlukahlukeneko

Iiveke ye-12 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)			
Iinhloko	Amanothi Wokuthadhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Beka isiqhema sezinto phezu kwetafula begodu zihlukanise ngokuya nge:</p> <ul style="list-style-type: none"> - linqhema eziilinganako (yinye ngeyakho, yinye ngeyami) - linqhema ezingalinganiko (madanisa ubone bonyana ngisisphi isiqhema esi nezinto ezinengi khulu/ ezincani khulu begodu ngiziphi ezifanako). - Nakuneenqhema ezimbili ezingafaniko, ngikuphi okufanele sikwenze bonyana zilingane/ zifane? 	<p>Iintambo ezimbili ezinenani lemincamo ehlukehlukeneko</p>	<p>Ilanga li-1</p>
<p>3.2</p> <p>Izinto ezibusontathu (3-D)</p>	<ul style="list-style-type: none"> • Ukuhlathulula, ukuhlela, nokumadanisa izinto ezibusontathu 3-D namajamo abusobubili 2D <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Ukusejenziswa kwezinto ezibusontathu abaphathekako</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bahlele izinto ezihlukehlukeneko ngokuya ngobukhulu/isayizi - Bahlele begodu bamadanise amabhlogo wokwakha ahlukehlukeneko ngokuya ngobukhulu/ isayizi - (khulu begodu nencani) - Bahlele amabhlogo ngokuya ngamajamo afanako 	<p>Izinto ezihlukehlukeneko ngetiasini, ezincani nezikulu isib. Iimbhola, abonompopi, imoderana yokudlala, amabhlogo weLogi, njll.</p>	<p>Ilanga li-1.</p>
<p>3.3</p> <p>Ubujamo obubusobubili (2-D)</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlukanisa abafundi ngeenqhema ezihlanu. Nikela isiqhema ngasinye amajamo amanengi ahlukehlukeneko.</p> <ul style="list-style-type: none"> - Vumela abafundi bahlele amajamo ngokuya: <ul style="list-style-type: none"> o ngombala o amajamo (nanyana abafundi bangawazi amajamo). o Ubukhulu/isayizi - Sebenzisa imidlalo yamakarada ethuthukisa imibala, ubukhulu begodu namajamo. 	<p>Amabhlogo wokwakha begodu neembhola zamasayizi ahlukehlukeneko</p> <p>Amajamo wama Logi nofana amanye amajamo amibalabala onawo/ akhona.</p>	

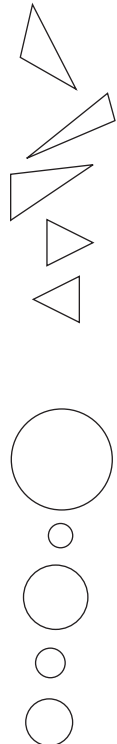
Iveke 13	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	
Iinhloko	Amanothi wokuthadhlhula	Ilinsetjenziswa eziphakanyisiweko
1.1 Ukubala izinto	<p>• Ukwethula ihlathululo yenomboro ku-3 Zomlomo: Ukubala izinto zangamalanga ukufika enomboro ku-3 Ukubala uye phambili begodu uye emuva ukufika enomborweni ku-3. Ukubala okungakahleleki 1-7 Ukuqinisa imiqondo yokuthi:” kunengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla amadlwana. Utijhera uwahla izandla bekube ka-3.</p>	<p>Iingoma nemidunduzelo yeenomboro.</p>
	<p>Okuphathelene 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 “Ngubani umuntu wesithathu ereyini na?” Hlukanisa abafundi ngeenqhema ezina ±5. <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Dabule amakhasi amathathu encwadini endala yeenomboro zomtato. - Tshwabanisa amakhasi amathathu uwenze abe ziimbhodiwana ezintathu ezibotjhwe zaqina ngokukg honakalako. Ukungezelela umuda wangaphakathi ohlukanisa amahlangothi womuntu abafundi abasebenzise isandla sabo esinamandla. Umfundi angahlala phezu kwesandla sakhe esinganamandla. - Vula iimbolo begodu uzitshwabanise godu. - Bala iimbolo ngemva kobana zoke zozintathu sele zitshwabanisiwe. - Ngesikhathi ubala, phosela iimbolo zontathu emanjini obekwe phakathi nesiqhema. <p>Umsebenzi lo ungahlanganiswa nesiFundo sokuziThabulula emakGhonweni wePilo.</p>	<p>Abafundi ngokwabo. Izinto zokubala</p> <p>Iincwadi ezindala ezinerhelo lamagama wabantu kanye neenomboro zabo zomtato Umanji</p>

Iveke 13 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)			
linhloko	Amanothi wokuthadhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>1.1 Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Ukukhomba izinto ezi-3 ngekumbeni yokufundela - Ukuphakamisela phezulu imino emi-3 - Ukubeka izinto ezintathu etafuleni. Umfundi ngamunye uza etafuleni begodu ubala into ngayinye. Umfundi uthinta into ngayinye nakayibalako. Buyelela ngezinye izinto. - Bathuthukise ilemuko lokuthi inomboro ihlala injalo noma ungayijamiselela ngento enjani, ngokuvumela abafundi babeke izinto zokubala ezimbili nofana ezinye izinto ngeendlela ezihlukahlukene, isib. 	<p>Izinto zokubala nofana izinto nje</p>	<p>Ilanga li 1</p>
	<p>- Lokha nawubalako, inomboro yezinto ayithikanyezwa bukhulu nofana ubujamo, nofana indawo, nanyana zingezemihlobo efanako: Isibonelo:</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezi-3, amapensela ama-3, amahupsi ama-3, abafundi aba-3, njll - Zibale ngezindlela ezihlukileko, isib. Zibale zirhatjhekile, zihlalelene, ngemida nofana ngehobhu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Tjengisa isithombe se “poto yesintu enemilenze emithathu” - Bala imilenze. - Vumela abafundi bacabange ngezinye izinto ezinemilenze emithathu. - Tjengisa isithombe sekarada elinezinto ezi-3. Abafundi babala iinomboro zezinto zokubala ezikhambelanako nesithombe sekarada. - Yenza okufanako ngamakarada wamaqatjhazi - Abafundi bamadanisa ikarada lamaqatjhazi namakarada weenthombe 	<p>Amaflejhikarada weenthombe Amaflejhikarada wamaqatjhazi Izinto zokubala</p> 	

Iveke 13	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	
linhloko	Amanothi wokutlhadlhula	Isilinganiso sobude besikhathi
<p>1.3</p> <p>Amatshwayo weenomboro namabizo weenomboro</p>	<p>Amanothi wokutlhadlhula</p> <ul style="list-style-type: none"> • Ukwazi amatshwayo weenomboro begodu nokukhumbula amagama weenomboro ezifaka hlangua 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 “mbadlwana” Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-3.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Nikela umfundi ngamunye amakhyubhu weyunifiksi ama-3 - Utijera ubatjengisa iqatjhazi, isithombe, itshwayo nofana ikarada legama lenomboro okufaka hlangua ephathelene iinomboro ku-1 ukuya ku-3. - Abafundi babala inomboro enqotjiweko / enikelweko begodu babeka inomboro efanako yamakhyubhu weyunifiksi eminweni yabo. 	<p>Amakhyubsi wamayunifiksi</p> <p>Ikarada lenomboro efaka hlangua inomboro 1 ukuya ku-3</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Isithombe sento 3</p>  </div> <p>Amaflethjkarada ahlukahlukeneko anenani elihlukahlukeneko kelinnye.</p> <p>Amaflethjkarada anenomboro ku-3</p> <p>Amaflethjkarada ameregwe ngamaqatjhazi ama-3</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Isithombe sento 3</p>  </div>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Balemuke:</p> <ul style="list-style-type: none"> - Ukubona amaflethjkarada anenani elihlukileko leethombe kilo - Ukulemuka iflethjkarada elinethwayo lenomboro 3 - Ukuhlobanisa itshwayo lenomboro ku-3 nenani lezinto begodu nenani lamaqatjhazi. - Ukuhlobanisa igama lenomboro nekarada letshwayo lenomboro begodu nenani lamakarada wamaqatjhazi - Nikela umfundi ngamunye ikarada lenomboro efaka hlangua iinomboro ku-1 ukuya ku -3. Utijhera uphakamisela phezulu ikarada elineqatjhazi nofana ikarada lesithombe. Abafundi baphakamisela phezulu ikarada lenomboro elimadana nenekarada lesithombe. 	

Iveke 13 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Amanothi wokutlhadhlula	Ilinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>linhloko</p> <p>1.7 Ukuhlanganisa nokukhupha</p>	<p>Ukurarulula imiraro yokuhlanganisa begodu nokukhupha ngomlomo eneensombululo ukufika ku ku-3</p> <p>Zomlomo: Bala izinto zangamalanga ukufika enomborweni ku- 3 Ukubala ukuya phambili begodu uye emuva ukufika ku ku-3</p> <p>Okuphathelene nokusikinyeka komzimba limbonelo:</p> <ol style="list-style-type: none"> 1. Utijhera ubizela abafundi aba-2 ngaphambili. Abafundi bayababala. Utijhera ubiza omunye oye-1 begodu ubuza bonyana: "Bangaki abafundi nababoke?" 2 na 1 → 3. (Utijhera uthi: 2 na 1 kwenza - 3) <p>Utijhera ubeka iintulo ezi-3. Akangezi ngezinye. Zingaki iintulo nasele zizoke? Ku-3 na 0 → 3. Utijhera 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)</p> <ol style="list-style-type: none"> 2. Utijhera ubizela abafundi aba-3 ngaphambili. Babaleni. Ubuyisele abafundi ababili emuva. Bangaki abafundi abaseleko? Ku -3 ukhupha ku-2 → 1 <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Nikela umfundi ngamnye izinto zokubala ezi-3. Lokha utijhere "acoca indatjana", abafundi bapaka izinto zokubala.</p> <p>Isibonelo</p> <ol style="list-style-type: none"> 1. UAna unamalamune ama-2begodu uMsongelwa umnikela elinye eli-1. UAna sekanamalamune amangaki nje? Ku -2 na ku-1 → 3. (Utijhere uthi: ku -2 na ku-1 kukunikela ku-3) 2. Kunegatja li-1 lomuthi emthini begodu amanye amagatja ama-2 ayamila. Mangaki amagatja asemthini kwanje? Ku-1 na ku-2 → 3. <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Ifene inamabhanana ama-3 idla li-1. Isele namabhanana amangaki? ku-3 ukhupha ku-1 → 2. 2. Kunamabhabhula ama-2 emthini wamahabhula. Li-1 lamahabhula liwela phasi. Mangaki amahabhula asele emthini? ku-2 ukhupha ku-1 → 1 	<p>lingoma begodu nemidunduzelo yeenomboro</p> <p>lintulo</p> <p>Izinto zokubala ezi-3 umfundi ngamunye</p>	<p>llanga li-1</p>

Iveke 13 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Ilinhloko	Amanothi wokutlhadlhula	Ilinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
2.1 Amaphetheni weJiyomethri		<p>Ukuzakhela amaphetheni azibuyelelako ngokusebenzisa izinto ezi- 2.</p> <p>Okuphathelene nokusikinyeke komzimba</p> <p>Abafundi bahlala benzenduilungu. Bavuma amaphetheni wamagama limbonelo:</p> <p><i>Ilanga, isibhakabhaka , ilanga, isibhakabhaka</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 kwesibhakabhaka, hlaza kwesibhakabhaka, bomvu, hlaza kwesibhakabhaka, hlaza kwesibhakabhaka, njll</i></p> <p><i>Waka, waka, e, e, waka, waka, e, e.</i></p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Buthelela izinto ezi-3 ezifanako ngetlasini, isib. Amakhrayoni ama-3 - Buthelela ezinye godu izinto ezi-3 ezifanako ngetlasini, isib.amabhlogo weLego ama-3 - Abafundi bazitlamela amaphetheni wabo ngokusebenzisa izinto ezimbili, isib. - ikhrayoni linye, ibhlogo leLego linye, ikhrayoni linye.... - Amakhrayoni amabili, ibhlogo leLego linye, amakhrayoni amabili, ibhlogo leLego linye..... - Vumela abafundi bona batlame amaphetheni ngeendlela ezihlukahlukeneko - Batjintjisanane ngezinto zabo nomngani begodu babuyelele umsebenzi loyo. 	Amakhrayoni Nanyana ngziphi izinto	Ilanga li-1

Iveke 13 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Isilinganiso sobude besikhathi
linhloko	Amanothi wokuthadhula	linsetjenziswa eziphakanyisiweko
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Ukukhumbula, ukubona begodu nokubiza amajamo abusobubili 2-D ngetlasini ukufaka hlangana neenthombe</p> <ul style="list-style-type: none"> - uncantathu • Ukuqinisa ilwazi elizuzwe evekeni yesi 4 lokukhumbula, ukubona begodu nokubiza ngegama -uncantathu <p>Okuphathelene nokusikinyeke komzimba</p> <p>Gwala, nofana usebenzise irobho ukutiama umuda magega nobujamo obukhulu bakancantathu.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bazombeze ijamo ngokuqala amatshwayo kancantathu <p>Lokha nabakhambako, vumela abafundi bathi: “Ngikhamba magega noncantathu. Linye, mabili, mathathu amahlangothi, nofana linye, mabili, mathathu amahugu (ama-engele).</p> <ul style="list-style-type: none"> - Utijhera ukhomba bonyana uncantathu “unamahugu” ama 3 begodu unamahlangothi amathathu. - Gwala uncantathu emoyani begodu / nofana esandeni - Yakha uncantathu ngebumba. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (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 imihlobo ehlukahlukeneko ngamasayizi yeendulungu naboncantathu “emgodlaneni ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuzithinta bonyana ubambe ini.” Ukubona/ ukuthola uncantathu hlangua namanye amajamo. 	<p>Ilanga li-1</p> <p>Umdaka nofana iderhe yokudlala</p> <p>Into enguncantathu engekumbeni yokufundela begodu nebhodukulweni</p> <p>Yenza amakarada wakho abe nemihlobo emi-5 ehlukahlukeneko yeendulungu, aboncantathu begodu neenkwere kiwo.</p>

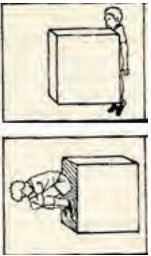
Iveke 13	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)			
Iinhloko	Amanothi wokuthadhlhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi	
3.3 Ubujamo obubusobubili (2-D)	Ukuhlela izinto ezibusontathu 3-D begodu namajamo abusobubili 2D - Hlela izinto ezihlukahlukene ngokuya ngobujamo begodu nangombala.	Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Vumela abafundi: <ul style="list-style-type: none"> - Ukubona ubujamo bukancantathu eenthonjeni - Gwala uncantathu esiquntwini sephepha. - Kopa uncantathu ekaradeni onikelwe lona. - Gwala irengi uzungezelele zoke indulungu ephepheni lokusebenzela. - Yenza iinthombe ngokusebenzisa aboncantathu ngesikhathi sobuKghwari obuBonakalako. - Dlala umdlalo wamakarada ongezelela othuthukisa ukuqiniswa kwamajamo. 	Iithombe okungabonwa kizo uncantathu Imidlalo yamakarada ethuthukisa ukukhumbula amajamo njengokuthi “Kunani ngesikwereni” Amajamo weLogi, njll.	Ilanga li-1

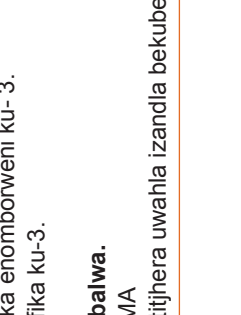
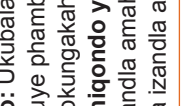
Iveke 14 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	Amanothi wokuthadlhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
1.1 Ukubala izinto	<p>Amanothi wokuthadlhula</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi elizuziweko elifaka hlangana inomboro ku-3 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 3. Ukubala uye phambili begodu uye emuva ukufika ku-3.</p> <p>Ukubala okungakahleleki 1-7</p> <p>Ukuqinisa imiqondo elandelako:” nengi” begodu “mbadlwana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla amadlwana. Utijhera uwahla izandla bekube ka-3.</p>	<p>lingoma nemidunduzelo yeenomboro.</p>	<p>Ilanga li-1</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Bathole izinto ezi-3 ezibomvu 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. Umdaka</p>	

Iveke 14 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalon ngeveke)	Amanothi wokuthadhlhula	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>linhloko</p> <p>1.7 Ukuhlanganisa nokukhupha</p>	<p>Ukurarulula nokuhiathulula ngomlomo iinsombululo zemiraro yamagama (iindatjana zeembala) ezifaka hlalanga inomboro ku-3</p> <p>Zomlomo: Bala izinto zangamalanga ukufika enomborweni ku- 3 Ukubala uye phambili begodu uye emuva ukufika ku -3.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Utijhera ubizela abafundi aba-2 emadini bese ubiza omunye umfundi godu. Bangaki abafundi utijhera ababizele emadini? Utijhera uthi: ku-2 na ku-1 kwenza ku-3 2. Kunabantwana abathathu. Umntwana ngamunye ufuna amakhrayoni wakhe. Mangaki amakhrayoni esiwathlogako? 3. Abafundi abathathu bajame ndawonye. Munye wabo uphuma ngekamurweni. Bangaki abafundi abasele ngekamurweni. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Itijhera ubeka izinto zokubala ezi-3 etafuleni. Ususa izinto zokubala ezimbili. Zingaki izinto zokubala ezisele etafuleni? Utijhera uthi ku-3 ukhupha ku-1 kukunikela ku-2. 2. UPhethi unabokatsu aba-2 begodu uthole omunye ukatsu o-1 kuBusi. Bangaki abakatsu bakaPhethi nasele baboke? Ku-1 naku-2 → 3. Utijhera uthi ku-1 naku-2 kukunikela 3 3. Lokha ukatsu o-1 anomisila mu-1, abokatsu abathathu bazokuba nemisila emingaki neyihlangeneko? Ku-1 naku- 1 naku- 1 → 3 	<p>Abafundi</p> <p>Izinto zokubala</p>	<p>Ilanga li-1</p>


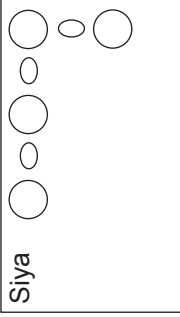
Iveke 14 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMbalalo ngeveke)	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>linhloko</p> <p>2.1</p> <p>Amaphetheni weJiyomethri</p> <p>Amanothi wokuthadlhula</p> <p>• Ukuqedelela iphetheni onikelwe yona ngezinto ezi-2</p> <p>Okuphathelene 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 ngokusebenzisa imizimba yabo, isib. Bajame omunye hlanu komunye batjintjaneizandla zibe sehloko, izandla zibe seenyongeni, izandla zibe sehloko, <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bakope iphetheni yento ethileko, isib. Umncamo, umncamo, iithi, umncamo, umncani, ilithi..... 	<p>Nanyana ngiziphi izinto</p> <p>Iinthombe zeenkhangiso</p> <p>Iphepha le-A4 namakhrayoni</p>	<p>Ilanga li-1</p>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhera unikela abafundi iinthombe ezihlukahlukeneko zezinto ezifanako ezisikelwe safuthi. (Sika iinthombe ngesikhathi semsebenzi wobukghwari obuBonakalako.) - Utijhera uthoma iphetheni begodu abafundi bafanele bakopa iphetheni leyo, isib. isithombe sekofi, setiye, setjhekela - Vumela abafundi baqedelele iphetheni ngokugwala: - Ithuthumbo, ikari, ithuthumbo - Indulungo ehlaza kwesibhakabhaka, indulungo ebovu, indulungo ehlaza kwesibhakabhakanjll. 	

Iveke 14 linhloko	Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	Isilinganiso sobude besikhathi
linhloko	Amanothi wokuthadlhula	linsetjenziswa eziphakanyisiweko
3.2 Izinto ezibusontathu (3-D)	<p>• Ukuhlela begodu nokumadanisa izinto ezibusontathu 3-D begodu namajamo abusobubili 2-D ngokuya ngamatshwayo athileko.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Hlukanisa abafundi ngeenqhema ezi-5</p> <ul style="list-style-type: none"> - Utijhera ubuthelela izinto ezeneleko ukwenzela bona isiqhema ngasinye sikhona ukuzihlela ngokuya okungasenani ngamatshwayo amabili (kungaba kunengi). - Nikela isiqhema ngasinye izinto ezinamatshwayo amabili bonyana siwahlele. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bahlele izinto ngokuya ngezinto ezifanako nezihlukileko. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Gcina abafundi esiqhemeni esifanako.</p> <ul style="list-style-type: none"> - Madanisa begodu uhlela iinthombe ezihlukahlukene ezibuthelelewe ngutijhera, isib. Iinthombe zemihloboho yezambatho, ukudla, ifenitjhera, iinthuthi, njll - Vumela abafundi baqedelele incwadi yokusebenzela emadanisa iinthombe ezimbili, isib. Isibha sokuhlamba amazinyo begodu nebhatjhi yamazinyo, ivasilabhi begodu nesibha. 	<p>Izinto ezifana na:</p> <ul style="list-style-type: none"> Iimpahla ezihlukahlukene Iinthelo ezihlukahlukene Iimbandana zemaplasini zamaplastiki ezihlukahlukene Amajamo wejyomethri ahlukahlukene Amabhlogo wokwakha ahlukahlukene Amabhlogo weLego ahlukahlukene Izinto ezihlukahlukene zemvelo njengamakari, izinti / amatjhi, amatje, njll. Iinkunubhe ezihlukahlukene, njll. Iimvalo zamabhodlelo zemibala ehlukahlukene Amakhrayoni ahlukahlukene Buthelela iinthombe kibomagezini namaflaya. Zisike uzinamathisele emakaradeni

Iveke 14 Ubude besiKhathi esiPhakanyisiweko: Umsebenzi wetlasi owodwa ohleliweko okhokhehlwa ngutijhera (indulungu) ya ya± amaminithi ama-30 ngelanga (± 5 imisetjenzana yeeMballo ngeveke)	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>Iinhloko</p> <p>3.1 Ubujamo, ukujayeza nokubukela</p>	<p>Amanothi wokuthadhlhula</p> <p>• Ubujamo bezinto ezi 3-D ezimbili nofana ngaphezulu lokha nawuzihlobanisa nomfundi</p> <ul style="list-style-type: none"> - Ukuqinisa imiqondo elandelako: “phezulu kwa/ ngaphasi kwa” begodu “phezu kwa” <p>Okuphathelene nokusikinyeka komzimba Umfundi ngamunye uhlala esitulweni.</p> <ul style="list-style-type: none"> - Abafundi batjengisa uphezu nongaphasi ngokulandela iinlayelo zikatijhera, isib. Hlala phezu kwebhoksi, lala ngaphasi kwebhoksi nofana kwetafula. - Hlala ngaphasi kwetafula. Zirhunyenze ngendlela ongakghona ngayo ngaphasi kwetafula. - Jama phezu kwesitulo sakho begodu uzilulele phezulu 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. - Khetha abafundi abahlanu ngokusebenzisa umdanduzelo wenomboro - Hlebela umfundi ngamunye isilayelo. <ul style="list-style-type: none"> o Hlala ubeke izandla zakho ngaphasi kwemilenze o Jama ubeke izandla zakho enyongeni o Jama ubeke izandla zakho ngemva kwakho o Hlala ubeke izandla zakho emahlombe o Jama ubeke izandla zakho zivundle ngaphambi kwakho <p>Abafundi bajama ngaphambili lokha isiqhema soke nasihlala emadini. Buza abafundi bonyana:</p> <ul style="list-style-type: none"> - Umfundi wokuthoma wenzani? (<i>Uhlezi</i>) - Zikuphi izandla zakhe? (<i>Izandla zakhe zingaphasi kwemilenze yakhe</i>) - Buyelela ngabanye abafundi ngokusebenzisa: lesibili, lesithathu, lesine begodu nelokugcina. - Khetha isiqhema esitjha esizokwenza iinlayelo ezifanako. - Khuphela abafundi ngaphandle begodu bavumele batjengise imiqondo “phezu kwa”, “ngaphasi kwa” begodu nongaphezulu ngokuthi bazisungulele bona ngokwabo. 	<p>Abafundi Ibhoksi</p>  <p>phezu kwe ngaphasi</p> <p>Ilanga li-1</p>

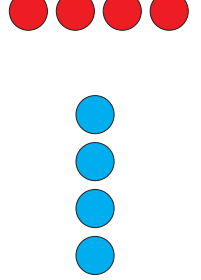
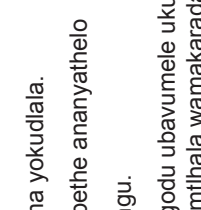
IVEKE YAMA-15	Isikhathi esiphakanyisiweko sokuthintana Umsebenzi weklasi owodwa ohleliweko okhokhelwa ngutijhere (indulungu) imizuzu ema- 30 ngelanga (± 5 imisebenzi yeembalo ngeveke.)	Amanothi athladhulako	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
linhloko				llanga eli-1
1.1 Ukubala izinto	<p>• Ukuqinisa ilwazi elizuziweko elifaka hlangana iinomboro 1, 2 naku-3 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 3. Ukubala uye phambili begodu uye emuva ukufika ku-3. Ukubala okungakahleleki 1-7</p> <p>Qinisa imiqondo yokunengi begodu nokumbalwa. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-3.</p> <p>Okuphathelene nokusikinyeka komzimba Khuthaza abafundi ukuthola:</p> <ul style="list-style-type: none"> - Isitho si-1 somzimba esingasikinyeka ukuya phezulu naphasi, siye ehlangothini linye nangekelinye ngokwaso.isib. ilimu. - Izitho zomzimba ezi-2 ezisetjenziselwa ukweqa isib. Imilenze. 	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi bathuthukise imiqondo yeenomboro ngoku:</p> <ul style="list-style-type: none"> - Sebenzisa amabhlogo ama-3 ukwakha umbhothjongo. - Thola izinto ezi-3 ngeklasini ezinombala obovu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Utijhere ugwala isithombe esibulula.</p> <ul style="list-style-type: none"> - Utijhere ubuza umbuzo ophathelene nenani lezinto ezisesithombeni isib. Mangaki amafesdere owabonako njll. 	<p>Umdunduzelo weenomboro neengoma</p> <p>Imizimba yabafundi Ukuvuma nokulingisa ingoma isib.. ‘ Bebabathathu embhedeni begodu..... Imidunduzelo yokubala, isib kunye kubili, Bopha inyathelo lami.</p> <p>Amabhlogo Izinto ezibovu</p> 	
1.2 Ukubala uyephambili nemuva	<p>• Sebenzisa inomboro 1, 2 naku 3 ebujameni obujayelekileko. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku-3. Ukubala uye phambili begodu uye emuva ukufika ku-3 Qinisa imiqondo yo"kunengi" kunye no"kumbalwa". Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-3.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Fune iinthombe ezineenomboro ku-1, 2 naku 3 kibomagazini begodu nakumaflaya begodu uzinamathisele ephapheni (Hlanganisa nobuKghwari obuBonakalako) - Mejhisa inani lezinto nenani lamaqhatjhazi akumafejhikarada. - Khomba ikarada elineqatjhazi. Abafundi balahlela inani elilinganako lemigodla yamabhontjisi ngaphakathi kwebhoksi. - Dlala umdlalo webhodi. "Yeenyoka kunye namalere" begodu namadomino. 	<p>lingoma nemidunduzelo yeenomboro</p> <p>Amamagazini, iinkhangiso. Amafejhi karada anamaqatjhazi.</p> 	<p>llanga li-1</p> <p>Imigodla yeembhontjisi "linyoka kunye namalere" Amadomino.</p>	

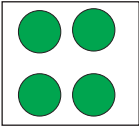
IVEKE YAMA-15 Isikhathi esiphakanyisiweko sokuthintana Umsebenzi weklasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) imizuzu ema- 30 ngelanga (± 5 imisebenzi yeembalu ngeveke.)		Isilinganiso sobude besikhathi
linhloko	Amanothi athladhulako	linsetjenziswa eziphakanyisiweko
<p>Tjheja: iinomboro zisizombelezile lapho sikhona:</p> <ul style="list-style-type: none"> - Indlu enye nanye inenomboro - Soke sineenomboro ezihlukeneko zomtato. - Sibona iinomboro emafesdereni weentolo. - Sibona iinomboro emikhqiqizweni ehlukeneko nasithengako. - Sibona iinomboro eenkoloyini. 	<p>• Hlela begodu umadana izinto ezibuthelweleko ngokusebenzisa “kunengi kuna”, ”kuncani kuna” begodu “nokulingana na” ukufika enomborweni ku-3 Okuphathelene nokusikinyeka komzimba. Bizela abafundi aba-3ngaphambili. Bavumele bahlale ngendulungu.</p> <ul style="list-style-type: none"> - Vumela abafundi ababili bajame/basikime . Bangaki abahleziko? Babale. Bangaki abajamileko? Babale. Ngiliphi inani elinengi/elinengi khulu / . Ngiliphi inani elincani/elincani khulu - Vumela abafundi abathathu bajame. Babale. Ngiliphi inani elinengi /elinengi khulu. Vumela omunye godu ajame. Babale. Kghani inani labafundi abahleziko lidlula inani labafundi abajamileko? - Buyelela ngeenomboro ukusuka keyoku-1 ukufika keyesi-3. - Bala abantazana. Bala abesana. Ngabe inani labesana lidlula labentazana? <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Hlukanisa abafundi ngeenqhema ezi 5 Nikela esinye nesinye isiqhema isiquntu sentambo/iwulu ±5 yezinto. Abafundi bakha isidleke ngewulu.</p> <ul style="list-style-type: none"> - Utitjhere uhlebela isiqhema ngasinye asibawa bona sakhe iinqhema zezinto ezi-3 namkha ezi-2 namkha si-1 “eendlekeni” zabo. - Abafundi kufanele babone bona ngisiphi isiqhema esinezinto ezidlula ke-1. - Ngisiphi isiqhema esinezinto ezincani kunezii-3? - Ngisiphi isiqhema esinenani elilinganako lezinto? 	<p>Ilanga li-1</p> <p>Intambo Izinto ezi-5 esiqhemeni ngasinye</p>

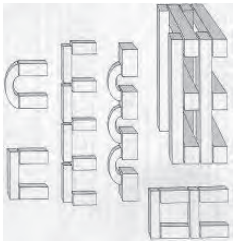
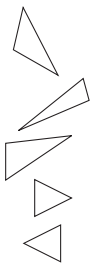

IVEKE YAMA-15	Isikhathi esiphakanyisiweko sokuthintana Umsebenzi weklasi owodwa ohleliweko okhokhelwa ngutitjhere (indulungu) imizuzu ema- 30 ngelanga (± 5 imisebenzi yeembalo ngeveke.)	Isilinganiso sobude besikhathi
linhloko	linsetjenziswa eziphakanyisiweko	Isilinganiso sobude besikhathi
<p>2.1 Amaphetheni weJiyomethri</p>	<p style="text-align: center;">Amanothi athladhulako</p> <ul style="list-style-type: none"> • Kopulula begodu uzalise/uqedelele iphetheni enikelweko ukuya ngemibala, obovu, ohlaza kwesibhakabhaka, osarulani. <p>Okuphathelene nokusikinyeka komzimba.</p> <ul style="list-style-type: none"> - Utitjhere ulingisa iphetheni ethileko. Uyayibuyelela godu agcine igido isib. <ul style="list-style-type: none"> o Wahla, thwahla (imino), wahla, thwahla o Thwahla, wahla, gida, thwahla, wahla, gida. o Wahla, thwahla, thwahla, wahla, thwahla, thwahla. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Utitjhere unikela omunye nomunye umfundi izinto zokubala nofana iimvalo zamabhodlhelo ezi-3 ezibovu, nezi 3 ezihlaza kwesibhakabhaka begodu nezi 3 ezisarulani.</p> <p>Vumela abafundi ba:</p> <ul style="list-style-type: none"> - Kope iphetheni enikelweko ephetheni katiitjhere isib. bovu, bovu, hlaza kwesibhakabhaka, sarulani, sarulani.(Buyelela amahlanta ambadlwana ngephetheni ehlukeleko) - Qedelela / Zalisa iphetheni enikelweko isib.ehlaza kwesibhakabhaka, esarulani ebovu..... (Buyelela amahlanta ambadlwana ngephetheni ehlukeleko.) - Vumela abafundi bahlukanise izinto zokubala ukuya ngemibala emithathu ehlukeneko. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Nikela umfundi omunye nomunye isiquntwana sephepha. - Vumela abafundi bona bazalise/ baqedelele amaphetheni wezinto zobujamo obubusobubili njengomkhawulo. - Zalisa / qedelela isithombe ngesikhathi sobuKghwari obuBonakalako ngokugwala isithombe phakathi. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Karabo</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Siya</p>  </div> </div>	<p>Ilanga li-1</p> <p>Umfundi omunye nomunye umukela izinto zokubala namkha iimvalo zamabhodlela zi-3 ezibovu ,zi-3 ezihlaza kwesibhakabhaka, begodu nazi-3 ezisarulana.</p> <p>Omunye nomunye umfundi iphepha le A4. Amakhrayoni.</p>

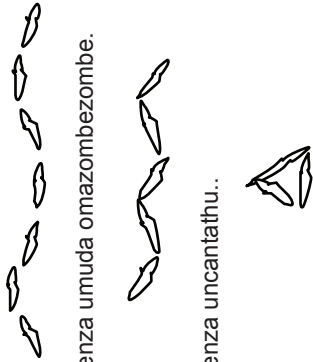
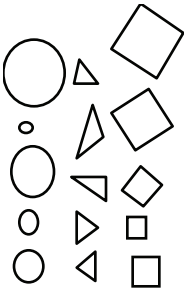
IVEKE YAMA-15	Isikhathi esiphakanyisiweko sokuthintana Umsebenzi weklasi owodwa ohleliweko okhokhelwa ngutijhere (indulungu) imizuzu ema- 30 ngelanga (± 5 imisebenzi yeembalo ngeveke.)	Isilinganiso sobude besikhathi
linhloko	Amanothi athadlulako	linsetjenziswa eziphakanyisiweko
4.2 Ubude	<p>Madanisa begodu uhlele ngokuphathekako izinto ngokusebenzisa ilwazi magama elifaneleko ukuhlathulula ubude</p> <ul style="list-style-type: none"> - ede, efitjhani, - edanyana, efitjhazana - ede khulu, efitjhani khulu. <p>Okuphathelele 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 iklasi/isiqhema ukwakha enye neny into efitjhani kunomngani wabo namkha ede kunomngani wabo. 	<p>Amabhlogo wokwakha.</p>
	<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 imihlobo yamamatheryali:</p> <ul style="list-style-type: none"> - Ukusuka kede khulu ukufika kefitjhani khulu. - Ukusuka kefitjhani khulu ukuya kede khulu. - Vumela abafundi bamadanise ubude bezinto ezihlukeneko. <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. - Vumela abafundi bamadanise ubude obuhlukeneko ngokuqala bona ngiyiphi intanjana / umtletle omude namkha omfitjhani isib. Umtletle wokulinganisa ihloko mude kunomtletle wokulinganisa isihlakala sami. - Vumela abafundi bathole bona iilinganiso zabo bekungezinembako na 	<p>Intambo Irobho Imitletlana yamamatheryali. Amakhrayoni wobude obuhlukeneko.</p> <p>Iwula namkha intambo Abafundi</p>

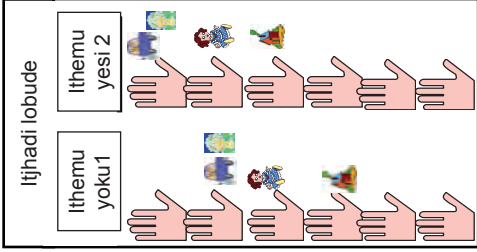
IVEKE YE-16 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)			
linhloko	Amanothi athladlhulako	Iinsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
1.1 Ukubala izinto	<p>• 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> <p>Qinisa imiqondo “yokunengi” begodu “nokumbalwa”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhira uwahla izandla bekube ka-4. Okuphathelene nokusikinyeka komzimba. Vumela abafundi uku/ u: - Sikinya ihloko zabo amahlandla ama-4. - Kwenza inomboro ku-4 ngokusebenzisa imizimba yabo. Abafundi bayakhetha bona bangaki abantwana ababafunako/ ababathlogako. - Abafundi bavala amehlo wabo.Utjijhere uqoqoda itafula amahlandla ama-4. Bavula amehlo wabo begodu batjho nokobana bezwe kuqoqodwa kangaki. Buyelela ngeenomboro uku-1 ukufika ku-4.</p>	lingoma nemidunduzelo yokubala Imizimba yabafundi	Ilanga li-1

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)		Isilinganiso sesikhathi
Iinhloko	Amanothi athladhulako	Iinsetjenziswa eziphakanyisiwekonyulwako	Ilanga li-1
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi uku/ u:</p> <ul style="list-style-type: none"> - Kwenza inomboro -4 ngehlama yokudlala. - Thola abangani abane abambethe ananyathelo - Thola izinto ezi-4 eziyindulungu. - Bopha amehlo wabafundi begodu ubavumele ukubona inomboro ku-1 ukufika keye-4 ngokuzwa/ngokugadangisa umthala wamakarada weenomboro ezimakhwakhwa. - Bathuthukise ilemuko lokuthi inomboro ihlala injalo noma ungayijamiselela ngento enjani, ngokuvumela abafundi babeke izinto zokubala ezine nofana ezinye izinto ngeendlela ezihluhlukeneko, isib. 	<p>Iiderhe yokudlala.</p> <p>Izinto ezindulungu.</p> <p>Yenza isede yamakarada weenomboro amakhwakhwa ngokusika ukhiphe inomboro kusani phepha begodu azinamathisele phezu kweentokana zamabhodi. Lokha nawunamathisele amakarada lawo, abafundi bangawasebenzisa ukwakha inomboro ngebumba phezu kwekarada.</p> <p>Izinto ezi-4 zokubala namkha izinto ezi-4 zinikelwa umfundi ngamunye</p> <p>Amamagazini, amaflaya, iinkhangiso</p> <p>Iphepha le A4 kunye nesinamathiseleli.</p> 	
	<ul style="list-style-type: none"> - Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonelo: - Hlela iinkunye ezi-4, amapensela ama-4, amahula wupsi ama-4, abafundi aba-4 njll. - Zibale ngendlela ehlukahlukeneko ehlelekileko Isib. zibale zirhatjhekile, zoke zisemaduzana, emudeni namkha zipakelene. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Funa iinthombe ezi-4 begodu banamathisele iinthombe ephepheeni. - Metjhiise inani lezinto nenani lamaqatjhazi aphezu kwefleji karada. - Ukubona ifleji karada elinamaqatjhazi amane. 		

IVEKE YE-16 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	Amanothi athladlhulako	Iinsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p> <ul style="list-style-type: none"> • Sebenzisa inomboro ku-4 ebujameni obujayelekileko. <ul style="list-style-type: none"> - Inomboro ku-4 ikwenza ucabange ngani? <ul style="list-style-type: none"> 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. Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) <ul style="list-style-type: none"> - Banikele ithuba lokudlala umdlalo wamakarada weenomboro akhona ngetlasini lakho. Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) <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 ino-4 , wahla amahlandla ama-4. - Thola umngani ngetlasini onenomboro yendlu efana neyakho. (Abafundi babuza abangani babo inomboro zezindlu zemakhabo.) - Ngubani inomboro yakhe ingaphezulu kwaka ku-4? - Tjengisa abafundi ifleji karada elinamaqatjhazi amane. - Ukubona ifleji karada elineenthombe ezine kilo. 	<p>limphande zabafundi zemakhaya</p> <p>Abafundi</p> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 10px auto;">4</div> <p>Umdlalo omunye nomunye okhona wamakarada weenomboro</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Isithombe sento 4 </div>  </div> <p>Amafleji karada aneenthombe ezi-4 namaqatjhazi ama-4.</p>	<p>Ilanga li-1</p>	

IVEKE YE-16 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)			
linhloko	Amanothi athladlhulako	Iinsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
3.2 Izinto ezibusontathu (3-D)	<p>Ukuhlola ikghonakalo /okungenzeka ngamabhlogo wokwakha. Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Sebenzisa nanyana ngimaphi amabhlogo amane ukwakha umakhiwo. - Yakha isakhiwo esinamabhlogo ama-3 ukuya phezulu begodu namabhlogo ama-5 avundlako. - Sebenzisa amabhlogo amanengi ngokuthanda kwabo ukwakha isitimela - Ukubona bona ngubani owakhe isitimela eside khulu. - Yakha umbhojthongo ophakemeko (ojame rwe) - Yakha umakhiwo osipara isib.indlela namkha indlu (ethabaleleko) - Ukubona bona ngubani owakhe umbhojthongo ophakeme khulu. - Nikela amabhlogo wokwakha ngesikhathi sokudlala ngokutijhaphuluka ngendlini ukwenzela bona abafundi baragele phambili ukuhlola amabhlogo wokwakha. 	<p>Amabhlogo wokwakha isib.</p> 	Ilanga li-1
3.3 Ubuja mo obubusobubili (2-D)	<p>Ukuthuthukisa ikghono lokuhlukanisa hlanguana namajamo ebhodulukweni, ngokungatjheji isayizi, nofana isayizi ye-engeli.</p> <ul style="list-style-type: none"> - Ukungatjhugululi ijamo. (ubuja mo buhlale bunjalo) <p>Okuphathelene nokusikinyeka komzimba. Vumela abafundi ukuba ngeenqhema zangaba-3:</p> <ul style="list-style-type: none"> - Babhambalale phasi benze uncantathu ngemizimba yabo. Yitjho ebatundini bona nanyana uncantathu wesinye nesinye isiqhema iqaleka ihlukile , ijamo lakancantathu lihlaia linjalo. - Utijjhere ugwala eflurwini/ phasi aboncantathu abahlukeneko isib.  <ul style="list-style-type: none"> - Abafundi bakhamba magega namahlangothi wejamo begodu nelemuko lama-engeli ahluhalukeneko ngemizimba yabo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Sebenzisa iingojwana ezili-7 begodu uzibeke emudeni ojame rwe. 	<p>Ilanga li-1</p> <p>Khetha kwaphela munye umsebenzi ophathelene nesikinyo lomzimba, okuphathekako kunye nekupheze kuphatheke.</p> <p>Abafundi</p> <p>Iingojwana ezili-7 umfundi ngamunye</p>	









IVEKE YE-16 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)			
linhloko	Amanothi athladlhulako	Iinsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
3.3 Ubujamo obubusobubili (2-D)	<ul style="list-style-type: none"> - Sebenzisa iingojuwana ukwenza umuda otjigamileko. - Sebenzisa iingojuwana ukwenza umuda omazombezombe. - Sebenzisa iingojuwana ukwenza uncantathu.. - Yitjho bona aboncantathu babafundi abafani khulu kodwana woke amabumbeko kusese ngewakancantathu. 	<p>Amakarada aneendulungu, aboncantathu, begodu nenkwere ezi-5 ezihlukeneko phezu kwawo.</p>	
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Utijhere ugwala iindulungu, aboncantathu begodu neenkwere ezi-5 phezu kweflesjhi karada isib.</p>  <p>Utijhere uhlukanisa abafundi ngeenqhema. Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Ukukhumbula amafletjhi karada waboncantathu hlangu namanye amabumbeko. 		

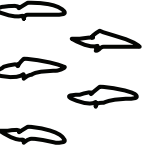

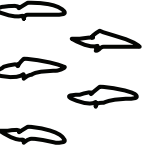

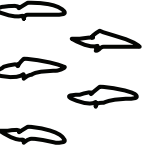

IVEKE YE-16	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke.)	Amanothi athladlhulako	Ilinsetjenziswa eziphakanyisiwekonyulwako	Isilinganiso sesikhathi
linhloko	4.2 Ubude	<p>Ukumadanisa begodu uhlele izinto gokuphathekako usebenzise ilwazimagama elifaneleko ukuhlathulula ubude.</p> <ul style="list-style-type: none"> - ubude, ubufijihani, - okudanyana, okufijihazana, - okude khulu, okufijihani khulu, - fijihani, fijihazana, fijihani khulu. - Okude, okudanyana, okude khulu. <p>• Qinisa imiqondo yobude.</p> <p>Okuphathelele nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Hlola ubude ngokumadanisa izinto enye nanye. - Ukubona bona ngiyiphi into ede khulu begodu nento efijihani khulu. - Madanisa ubude babafundi ababili begodu ubone bona ngimuphi umfundi omfijihani begodu ngimuphi omude. - Madanisa ubude babafundi abangaphezu kw ababili begodu ubuze imibuzo efana nokuthi: "Ngimuphi umfundi omfijihani khulu, begodu ngimuphi umfundi omude khulu". - Utijhere umeda abafundi godu ngokusebenzisa ifihadi lobude elisethemini yokuthoma. - Utijhere uzokutjiya amarekhodo wethemu egadungileko (izandla ezinamatshwayo / iinthombe zabafundi.) ukuze bakhone ukumadanisa iilinganiso 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 besandla sinye. o Ubude baka Abby buhleli bunjalo. 	<p>Amapenselela, irobho, iintambo amapheksi, njll.</p> <p>Ubude besandla Itjhadi lobude</p> 	Ilanga li-1

Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweko
1.1 Ukubala izinto	<p>• Qinisa ilwazi elizuziweko lehlathululo yenomboro ku-4 Zomlomo:Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4. Qinisa imiqondo “yokunengi” kunye “nokumbalwa”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhara uwahla izandla bekube ka-4.</p> <p>Okuphathelene nokusikinyeka komzimba. Vumela abafundi uku: - Gadangisa umthlala wenomboro ku-4 emoyeni ngokusebenzisa umuno.. - Yuma ingoma isib . ‘Amabhodlelo ahlaza amane alenga ebodeni.....’ - Jika mazombe amahlandla ama-4.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi ukuthuthukisa umqondo wenomboro ngoku: - Gwala inomboro ku-4 esandeni. - Thola izinto ezi-4 zobujamo obubusontathu 3-D ezingagedeka. - Ukwakha amaphazeli ngeentokana ezi-4.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) - Utijhara ukhetha amafletji karada amane wamagama. Utijhara umeruzisa igama begodu emva kwalokho isithombe sethoyisi namkha isilwana. - Umfundi ekumeruziswe igama lakhe wenza ijhanda elifana nelenziwe yithoyisi. - Buyelela kufika kumeruziswa womane amagama. - Buza bonyana magama waqbfundi amangaki engiwameruzisileko? Ubone iinthombe zamathoyisi/iinlwana ezingaki?</p>	<p>Ilanga li-1</p> <p>lingoma nemidunduzelo yeenomboro.</p> <p>Ithreyi esipara yokubhaga/ibhoksi elinehlabathi Izinto zobujamo obubusontathu obungagedeka. Amaphazeli weentokana ezi-4.</p> <p>Ikarada elinesithombe sethoyisi Amakarada anesithombe sesilwana.</p>

Iveke ye-17 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalu ngeveke			
linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Ukwazi amatshwayo weenomboro begodu nokukhumbula igama lenomboro ku-4 Zomlomo:Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4.</p> <p>Qinisa imiqondo “yokunengi” kunye “nokumbalwa”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-4. Okuphathelene nokusikinyeka komzimba.</p> <ul style="list-style-type: none"> - Tiola inomboro kune emoyeni, phasi begodu nemgogodlhwani womnganakho. - Phakamisa imino emine. - Utijhere ubetha isigubhu, isigubhu nasithulako, abafundi babumba iinqhema zangabane. 	lingoma nemidunduzelo yeenomboro	Ilanga li-1
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Tjengisa abafundi iflejhikarada elinetsiwayo lenomboro ku-4. - Ukubona igama lenomboro eiflejhikaradeni lenomboro. - Hlobanisa igama lenomboro nenani elifanako lenomboro yezinto. 	Iflejhikarada elinetsiwayo lenomboro Iflejhikarada elinegama lenomboro kune. zinto ezibusontathu	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">4</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">kune</div> </div>

Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
linhloko	Amanothi athadhlulako	linsetjenziswa eziphakanyisiweko
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Ukurarulula begodu uhlathulule iinsombululo zemiraro yeembalo zamagama ngomlomo (iimbalo zendatjana)ezifaka hlangana inomboro ku-4.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>limbonelo:</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 ezihlaza kwesibhakabhaka begodu unendulungu ezi-2 ezibovu, zingaki iindulungu onazo nasele zizoke? 3. USipho unamakhrayoni ama-4 begodu UJoyi unekhrayoni eli-1. Ngubani onamakhrayoni amanengi? 4. Lokha uJodi anabonompopi aba-4 begodu alahlekelwe ngunompopi mu-1, uzakusala nabonompopi abangaki? <p>Hlukanisa abafundi ngeenqhema.</p> <ul style="list-style-type: none"> - Nikela isiqhema ngasinye iwobhu lezinto isib. Amapensela, amakhrayoni, amakopi, amajamo. Vumela abafundi babelane ilunga ngalinye esiqhemeni izinto ebazimukelleko (kunye nakunye okukhambelanako). - Buza imibuzo efana nalo: " Zikhona ezinye izinto eziseleko na? - (Utijhere kufanele aqinisekise bona kunezinto ezinengi kunenani labafundi esiqhemeni.(Susa izinto ukufjengisa godu ukwabelana ngokulinganako) 	 <p>Amabhlogo</p> <p>Amakhrayoni</p> <p>Iindulungu ezihlaza kwesibhakabhaka begodu nezibovu</p> <p>Abonompopi</p> <p>Izinto ezaneleko (yinye umfundi ngamunye)ezifana namapensela, amakhrayoni, amakopi, amajamo</p>
	Ilinganiso sesikhathi	Ilinganiso sesikhathi

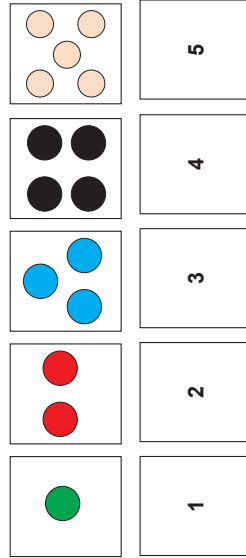
Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi athadhulako	linsetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Hlela begodu umadanisa izinto ezibutheleleweko ngokusebenzisa “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni yesi-4</p> <p>Hlukanisa abafundi ngeenqhema.</p> <ul style="list-style-type: none"> - Utijhere unikela isiqhema ngasinye izinto zokubala ezi-4 begodu neentokana ezimbili zewula. <p>Vumela iinqhema uku/ u:</p> <ul style="list-style-type: none"> - Ukwakha iindulungu ezimbili (amasede) ngewulu. - Ngokulandela imiyalo katijhere, babeka izinto zokubala esedeni ngayinye. - Amalunga wesiqhema ayatjheja bona ngiyiphi isede enezinto zokubala ezinengi kunenye. (ezinengi kuna). - Ngiyiphi indulungu enezinto zokubala ezimbalwa kunye? (ezincani kuna) - Ngiyiphi indulungu enenani lezinto zokubala ezilingana nenye ? (okulingana na) <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlela isede yamarada weenthombe ngendlela ehlekileko.isib.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sento yi-1 </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sezinto ezi-2 </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sezinto ezi-3 </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sezinto ezi-4 </div> </div> <p>Hlela isede yamarada wamaqatjhazi ngendlela ehlekileko.isib.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"></div> </div>	<p>I</p> <p>wula/intambo</p> <p>Izinto zokubala ezi-4</p>	<p>Ilanga li-1</p>

Iveke ye-17	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			Isilinganiso sesikhathi						
linhloko	Amanothi athadhlulako		linsetjenziswa eziphakanyisiweko	llanga li-1						
<p>5.1</p> <p>Ukubuthelela nokuhlela izinto ngemihlobo</p>	<p>• Thuthukisa indlela yokuphatha idatha.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi babuthelele iingojoywana ezili -9. - Hlela iingojoywana ngokuya ngobuncani begodu nobukhulu besayizi 		<p>Abafundi benza ibuthelele labo leengojoywana</p>							
<p>5.2</p> <p>Ukujamiselela ibuthelelo lezinto elihlelekileko</p>	<p>Gwala igrafu ukubonisa idatha</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Yenza igrafu yeenthombe ngeengojoywana. - Abafundi bapaka iingojoywana phezu kwegrafu yeenthombe ngokuya ngesayizi .okutjho .ukuthi ubuncani nobukhulu. 		<p>Incwadi yokusebenzela yegrifu yeenthombe. Utitjhere uzokutlamela umfundi ngamunye iphepha le-A4 elinamakholomu afaneleko.</p>							
<p>5.3</p> <p>Coca bewubike ngokuhlelwa kwezinto ezibutheleleweko</p>	<p>Ukufunda begodu urhumutjhe igrafu.</p> <ul style="list-style-type: none"> - Khuluma ngemiphumela ngokubuza imibuzo isib. Zingaki iingojoywana ezincani ezikhona lapha? Zingaki iingojoywana ezikulu ?Ngiziphi ezinengi khulu/ezincani khulu ? 		<table border="1"> <thead> <tr> <th>lingojwana ezincani</th> <th>lingojwana ezikulu</th> </tr> </thead> <tbody> <tr> <td>  </td> <td>  </td> </tr> <tr> <td>5</td> <td>3</td> </tr> </tbody> </table>	lingojwana ezincani	lingojwana ezikulu			5	3	
lingojwana ezincani	lingojwana ezikulu									
										
5	3									

Iveke ye- 18 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).				
linhloko	Amanothi athladlhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi	
1.1 Ukubala izinto	<p>Qinisa ilwazi elizuziweko okufaka hiangana iinomboro 1, 2, 3, na ku-4. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4. Ukubala okungakahleleki 1-7</p> <p>Qinisa imiqondo “yokunengji” kunye “nokumbalwa”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-4.</p> <p>Okuphathelene nokusikinyeka komzimba. Vumela abafundi Uku /u: Let the learners: - Gadangise umthlal wenomboro ku-1 emoyeni ngokusebenzisa imino yabo. - Abafundi bathinte iinhloko zabo kabili. - Lotjhisana/ bambane ngezandla nabafundi aba-4 abahlukeneko. - Bopha amehlo wabafundi begodu bavumele bathole iinomboro ku-1 ukufika ku ku-4 ngokuzwelela /ngokulandela umthlala wamakarada weenomboro amakhgwakghwa.</p>	<p>lingoma nemidunduzelo yeenomboro.</p> <p>Ithreyi/ibhoksi elinesanda</p> <p>Isede yamakarada weenomboro amakhgwakghwa/aphathekako.</p>	<p>Ilanga li-1</p>	
1.11 Imali	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi uku: - Gwala inomboro ku-1 esandeni - Thola izinto ezi-3 ezifanako. - Yeqe yeqa endaweni yinye amahlandla ama-2. (kabili) - Yakha amaphazeli aneentokana ezi-4 ukuya ngaphezulu .</p> <p>Ukukhumbula begodu nokubona iinhlamvu zemali yeSewula Afrika Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) - Yenza abafundi balemuke iinlwana ezihlukeneko begodu neenthombe zeentjalo phezu kwehlamvu elinye nelinye lemali. - Imali ingasetjenziswa ehugwini yamaKghono wePilo lapho abafundi bangadlala isitolo. Ngokudlala abafundi bavezwa eenhlamvini ezihlukahlukeneko zemali</p>	<p>Izinto Abafundi Amaphazeli weenquntu ezi-4</p> <p>Iinhlamvu zemali, 5c, 10c, 20c, 50c, R1,00, R2,00 begodu ne R5,00 (Imali yokudlala namkha imali yamambala)</p>	<p>Ilanga li-1</p>	













Iveke ye- 18	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemballo ngeveke).		
linhloko	Amanothi athladlhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.7 Ukuhlanganisa nokukhupha</p>	<p>• Ukurarulula ngomlomo imiraro yokuhlanganisa nokukhupha ngeensombululo ukufika ku-4 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4. Ukubala okungakahleleki 1-7 Qinisa imiqondo “yokunengi” kunye “nokumbalwa”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-4.</p>	<p>lingoma nemidunduzelo yeenomboro.</p>	<p>llanga li-1</p>
	<p>Okuphathelene nokusikinyeka komzimba limbonelo: 1. Utijhere ubizela umfundi mu-1 ngaphambili ngetlasini. Ubiza godu abanye abafundi aba-3. Bangaki abafundi utijhere ababizileko sebakoke? 2. Utijhere upaka izinto ezi-3 zokubala. Utijhere ungeza ngenye godu. Zingaki izinto zokubala eziphezu kwetafula? 3. Abafundi bajama ngaphambili ngetlasini. Utijhere ubawa umfundi oyedwa ukuthi ahlale phasi. Bangaki abafundi abajime ngaphambili kwetlasi kwanje? 4. UBusi unamapensela ama-4. Unikela UJastini amapensela ama-2. Mangaki amapensela uBusi asele nawo?</p>	<p>Abafundi Izinto zokubala Amapensela Ukusebenzisa iinsetjenziswa ezihlukeneko ukunikela umbono wokuthi angasetjenziswa njani amaqhinga ahlukeneko.</p>	

Iveke ye- 18 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).			
linhloko	Amanothi athadhlulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Ukuhlela begodu umadanisa izinto ezibuthelweko ngokusebenzisa “kunengi kuna”, ”kuncani kuna” begodu “nokulingana na” ukufika enombonweni ku-4</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere unikela ilunga elinye nelinye lesiqhema inani elithileko lamakhrayoni. - Amalunga wesiqhema kufanele athole bona ngimuphi umfundi onamakhrayoni amanengi ukudlula abanye abafundi. - Ngimuphi umfundi onamakhrayoni ambalwa kunabanye abafundi? - Ngibaphi abafundi abanemani eilinganako lamakhrayoni? <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Hlela isede yamakarada weenomboro afaka hlangana inomboro ku-1 ukufika ku ku-5 ngendlela ehlekileko.isib. 	<p>Amakhrayoni</p> <p>Iqatjhazi begodu namakarada wamatsiwayo weenomboro.</p>	<p>Ilanga li-1</p>



Iveke ye- 18	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemalo ngeveke).		
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>2.1 Amaphetheni weJiyomethri</p>	<p>Amanothi athadhlulako</p> <ul style="list-style-type: none"> • Ukukopulula begodu nokuzalisa/ ukuqedelela iphetheni onikelwe yona yeenhlamvu zemali. <p>Kopulula iphetheni onikelwe yona.</p> <ul style="list-style-type: none"> - Utijhere uhlela iphetheni ngokusebenzisa "imali yokudlala" isib. 5c, 5c, 10c, 10c, 10c, 20c, 20c, 20c <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Kopulula amaphetheni ambadlwana enziwe ngutijhere. <p>Zalisa / qedelela iphetheni onikelwe yona.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Zalisa / qedelela amaphetheni ambadlwana enziwe ngutijhere isib. <ul style="list-style-type: none"> o 5c, 5c, 10c, 10c,..... o 5c, 10c,..... o 10c, ,20c.....njll. 	<p>Imali yokudlala namkha imali yamambala (5c, 10c, 20c)</p>	<p>Ilanga li-1</p>


Iveke ye-19 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).			
linhloko	Amanothi wokuthadhlhula	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Amanothi wokuthadhlhula</p> <ul style="list-style-type: none"> • Qinisa ilwazi elizuziweko okufaka hlangana iinomboro 1, 2, 3, na ku-4. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 4. Ukubala uye phambili begodu uye emuva ukufika ku-4. Ukubala okungakahleleki 1-7.</p> <p>Qinisa imiqondo “yokunengji” kunye “nokumbalwa”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhela uwahla izandla bekube ka-4.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Utijhela uphakamisa ikarad elinethwayo 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 inqhema za(aphakamise inomboro yesi-2). - Buyelela umsejenzana ngamakarada afaka hlangana inomboro 1-4. 	<p>lingoma nemidunduzeloyeenomboro</p> <p>Amakarada wamatshwayo weenomboro afaka hlangana inomboro yoku-1-4</p> <p>Isib.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> <p>3</p> </div>	<p>Ilanga li-1</p>
<p>1.16</p> <p>Iimbalo zehloko</p>	<p>Iimbalo zehloko</p> <p>Utijhela uphakamisa ikarada elinenomboro ku-3 begodu abuze abafundi:</p> <ul style="list-style-type: none"> - Ngijiphi inomboro le ? - Ngijiphi inomboro eza ngaphambi kwenomboro ku-3? - Ngijiphi inomboro eza ngemva kwenomboro ku-3? - Buyelela ngeenomboro 1-4 - Ungangibonisa ikarada lesithombe elinenani elilingana nenani lamaqatjhazi asekaradeni leli? 	<p>Isele yeenthombe kunye namakarada wamaqatjhazi afaka hlangana inomboro yoku-1-4</p>	

Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).										
linhloko	Amanothi wokuthadhlhula	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi								
<p>1.16</p> <p>Iimbalo zehloko</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere uwahla ngengido begodu kabuthaka ukujamisela inomboro. Abafundi kufanele bakhuphe imincamo yenani lelo bayitjengise utijhere .isib. imincamo emi-4. - Vumela abafundi ukubeka umncamo 1,2,3, namkha mi-4 ngaphambi kwabo. - Bawa abafundi batjengise bona mingaki imincamo abanayo ngokumadana inani lemincamo yabo nenani elifana nelefetjiharada isib.imincamo emi-4 namatshwayo weenomboro ama-4 - Bavumele bathole umfundi onenani elilinganako/elifanako lemincamo <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (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.? - Ngijiphi inomboro ejanyelwe maqatjhazi la? - Ngijiphi inomboro eza ngemva kwenomboro le? - Ukugwala inani lamaqatjhazi elifanako emaphepheni wabo. 	<p>Imincamo emi-4 umfundi ngamunye.</p> <p>Amafetjiharada weenomboro 1,2,3 naku- 4</p> <p>Amafetjiharada anamaqatjhazi.</p> <table border="1"> <tr> <td></td> <td>1</td> <td></td> <td>2</td> </tr> <tr> <td></td> <td>3</td> <td></td> <td>4</td> </tr> </table>		1		2		3		4	Ilanga li-1
	1		2								
	3		4								

Iveke ye-19	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).		
Iinhloko	Amanothi wokuthadhlula	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Ukukurulula ngomlomo imiraro yokuhlanganisa nokukhupha (indatjana zeembalo) ngeensombululo ukufika ku-4</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Biza abafundi aba-3 beze ngaphambili. Babale - Biza mu-1 godu umfundi. '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>Hlukanisa abafundi ngeenqhema.</p> <p>Buza imibuzo efana:</p> <ul style="list-style-type: none"> - Zingaki iimpumulo ozibonako esiqhemeni sakho? - Mingaki imilomo? - Mingaki imizimba? - Hlangana nabafundi ababili, Mangaki amehlo abanawo? - Hlangana nabafundi ababili, Mingaki imilenze abanayo? <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Ubaba kaLindiwe unekoloyi. Inamavilo amangaki ikoloyi kababa kaLindiwe? 2. Nangabe li-1 lamavilo liparalele begodu likhithiwe ekoloyini. Mangaki amavilo aseleko? 3. Isikhukhukazi sinamadzinyani ama-4. Mabili wamadzinyani ayalahleka. Mangaki amadzinyani esasele nesikhukhukazi? 4. Isikhukhukazi sithola amadzinyani amabili abekalahlekile. Sele amangaki amadzinyani esele sinawo kwanje? 	<p>Izinto zokubala.</p> <p>Sebenzisa iinsiza ezihlukeneko ukunikela imibono yokusejenziswa kwamachinga ahlukeneko.</p> <p>Izinto zokubala.</p>	<p>Ilanga li-1</p>

Iveke ye-19 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke).			
Iinhloko	Amanothi wokuthadhlula	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Amanothi wokuthadhlula</p> <ul style="list-style-type: none"> • Hlela begodu umadanisa izinto ezibutheleleweko ngokusebenzisa “kunengi kuna”, “kuncani kuna” begodu “nokulingana na” ukufika enomborweni yesi-4 Okuphathelene nokusikinyeka komzimba. <ul style="list-style-type: none"> - Utijhere ubeka izinto ezihlukeneko phezu kwetafula isibonelo, amakhrayoni ama-2, amabhlogo afanako ama-4, amabhlege ama-3, iincwadi ezi-2. <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Bala inani lamakhrayoni begodu nelamabhlege. Ngabe kunamakhrayoni amanengi namkha amabhlege amanengi? - Bala inani lamabhlogo nenani leencwadi. Ngabe kunamabhlogo ambadlwana kuneencwadi? - Bala iincwadi begodu namakhrayoni. Ngabe kunenani elilinganako lezinto namkha awa? 	Amakhrayoni, amabhlogo, amabhlege, iincwadi.	1 day
3.3 Ubujamo obubusobubili (2-D)	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi ukuhlala phezu komada begodu nikela umfundi ngamunye inani elithileko lezinto zokubala. - Abafundi kufanele babe nezinto zokubala ezihlukeneko. - Vumela abafundi ukubeka izinto zokubala ngaphambi kwabo. Utijhere ubuza abafundi bona: <ul style="list-style-type: none"> o Ngubani onezinto zokubala ezinengi? o Ngubani onezinto zokubala ezimbalwa ? o Ngibaphi abafundi abanezinto zokubala ezilinganako? <p>Ukukhumbula, 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. - Utijhere ugwala imida emva kwemigwalo yabafundi. - Umfundi usika isithombe sakhe phezu kwemida enikelweko. - Umfundi uzalisa /wakha yakhe iphazeli. 	Izinto zokubala. Utijhera unikela umfundi ngamunye izinto zokubala ukufika ke-4.	1 day
		Imigwalo yabafundi	

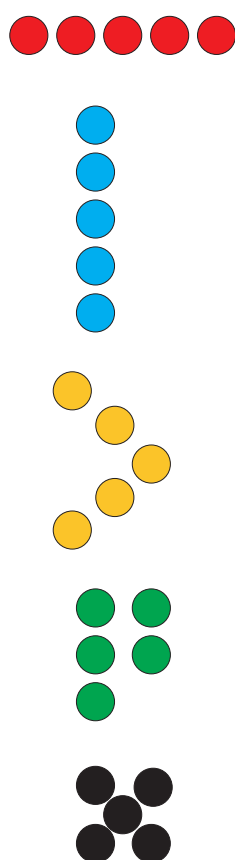


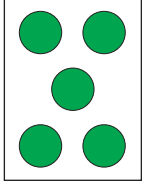
Iveke ye-19 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalu ngeveke).			
linhloko	Amanothi wokutlhadlhula	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
4.1 Isikhathi	<p>• Ukuthuthukiswa ilemuko lokwazi okwenzeka hlangana nesikhathi sokudla kwantambama nesikhathi sokulala. (Hlanganisa neLwazi lokuThoma leenhlokwana zamaKghono wePilo.)</p> <p>Vumelani abafundi uku:</p> <ul style="list-style-type: none"> - Khuluma ngalokho abakwenza emva kokudla kwantambama. - Khuluma ngalokho abakwenza emakhaya ngemva kwesikhathi sokudla kwantambama. <p>Utijhere ubuza abafundi:</p> <ul style="list-style-type: none"> - Niza esikolweni ekuseni namkha ntambama?" - Nangabe uPeter uza esikolweni ngemva kokulala kwesimbi, ingabe uPeter uladelwe namkha ufike ngesikhathi? - Likuphi ilanga ebusuku? 	<p>Iinthombe ezitjengisa lokho okwenzeka ukusukela esikhathini sokudla kwantambama nesikhathi sokulala.</p> 	1 day
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi bagwala isithombe ukutjengisa esinye nesinye isehlakalo sangemva kwamadina. - Nikela amaphazeli atjengisa ukulamana kwezehlakalo begodu/namkha nemisetjenzana. 	Iphepha namakhrayoni.	

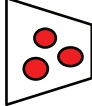
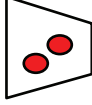
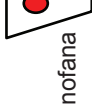
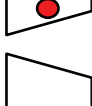
Iveke 20	Sebenzisa iimveke ezili 20 ukutjheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko
Okumumethweko	Isilinganiso sokuhlola
Iinomboro, ama-Opharethijuni Nobudlelwana	<p>Linganisa begodu ubale ngokungakahleleki kufika ku li- 7 (lingoma zeenomboro nemidunduzelo ezifaka hiangana ukuthuthukisa umqondo weenomboro)</p> <p>Bala uye emuva naphambili (1-4)</p> <p>Ukuzwisisa umqondo wokuthi “okunengi nokuyidlanzana” (ngokuwahla)</p> <p>Ukukhumbula iinomboro ebujamweni obujayelekileko isib.inomboro yendlu, irejistara 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>Ukuzwisisa kunye nakunye okukhambelanako (Ijtjhad i yomrhelelbi ngesikhathi seenqabuli)</p> <p>Ukuhlukanisa phakathi kwaka kunengi , kuncani nokuthi kuyalingana.okunengi nokumbalwa ukufika ku ku 4</p> <p>Ukukhumbula iinhlavu ezihlukahlukeneko zemali ye Sewula Afrika</p> <p>Ukusebenzisa izinto eziphathekako</p> <p>Ukuhlathulula ukucabanga kwakhe ngamagama begodu nangokugwala nofana izinto eziphathekako .</p> <p>Ukusombulula imiraro yokuhlenganisa nokukhupha ngomlomo ukufika ku ku - 4</p>
Amaphetheni namaFanktjhini	<p>1.1 Ukubala izinto</p> <p>1.6 Ukurarulula imiraro</p> <p>1.7 / 1.13 Ukuhlenganisa nokususa/ukukhupha</p> <p>2.1 Amaphetheni weJiyomethri</p>

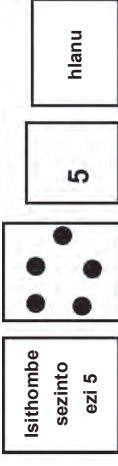
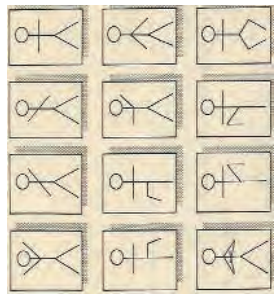
Iveke 20		Sebenzisa iimveke ezili 20 ukutjheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko	
Okumumethweko	Isihloko	Isilinganiso sokuhlola	
Isikhala noBujamo (Jiyomethri)	3.1 Ubjamo, ukuzijayeza nokubukela	Ukuzwisisa ubujamo bezinto ezimbili nofana ngaphezulu lokha nawuzihlobanisa nomfundi Phezu kwe, ngaphasi kwe	
	3.2 Ubjamo obubusobubili (2-D)	Ukwakha okungaseani iphazeli yeentokana ezili-12.	
	3.3 Izinto ezibusobuntathu (3-D)	Ukutjengisa ikghono lokuhlukanisa hlangana nezinto “ezinqotjhiweko begodu nezinto ezingakanqotjiswa.”	
		Ukukhumbula, ukubona nokutjho uncantathu.	
Ukumeda	4.1 Isikhathi	Ukuzwisisa ukungatjhguguluki kobujamo bakancantathu (ukubulunga ubujamo)	
		Ukumadanisa bonyana ngiliphi lamabuthethelelo amabili wezinto anikelweko elide, elidanyana, elifitjhani/elifitjhani khulu	
		Ukuhlela izinto ngama sayizi/ ubukhulu – okude	
		Imibala – (obomvu, osarulani, ohlaza sasibhakabhakabegodu nohlaza satjani)	
Ukuphatha Idatha	4.2 Ubude	Amajamo	
		Ukuhlela ngamabhlogo wokwakha.	
		Ukubona umuda wesimethri Kuye nebhodulukweni	
		Ukukghona ukuvundla umuda ophakathi	
Ukuphatha Idatha	5.1 Ukubuthethelela nokuhlela izinto	Ukuzwisisa amalanga weveke, iinkathi zonyaka begodu neitjhadi lobijamo bezulu(lingoma nemidunduzelo – buyelela uhlole godu.	
		Ukwazi ilanga lakhe lamabeletho	
		Ukuhlukanisa hlangana kokude khulu, okufitjhani khulu, okudanyana, okufitjhazana (itjhadi lobude).	
Ukuphatha Idatha	5.2 Ukujamisela ibuthethelelo lezinto ezihleliweko	Kghona ukubuthethelela, ukuhlela ngamananeke ukugwala, ukufunda nokujamisela, (tsenga) izinto ukuya ngakhunye okuphawulekako .	
	5.3 Ukucocisana nokuletha umbiko ngezinto ezisebuthelweni elihleliweko.		

ITHEMU 3 IIMBALO IGREYDI R			
Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemalo ngeveke)	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
linhloko	Amanothi atlhadlhulako		Ilanga li-1
1.1	<ul style="list-style-type: none"> Yethula ihlathululo yenomboro ku-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 iinomboro sikhundla:</p> <p>Utijhere upaka izinto ezintathu ngereyi. Ukhomba into ngayinye lokha nakayibalako kunye, <i>kubili kuthathu</i>.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-5.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma zeenomboro nemidunduzelo</p> <p>Imidunduzelo neengoma zokubala isib. “ limfene ezincancani ezihlanu zeqa yeqa phezu kombhede”</p> <p>Izinto ezi -3</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 ngetlasini abasele baneminyaka emi 5. 		

Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeembalu ngeveke)		
Iinhloko	Amanothi athladhulako	Ilinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.16</p> <p>Iimbalo zehlolo</p>	<p>Iimbalo zehlolo</p> <ul style="list-style-type: none"> - Utijhere uwahla izandla zakhe ngegido nakabuthaka ukujamiselela inomboro isib. 5. Abafundi kufanele bakhuphe izinto zokubala ezilinganako (ezi 5) bamujengise. - Abafundi bapakela izinto zokubala ezi 5 ereyini begodu bazibale. - Utijhere uyabuza: - Ngijphi inomboro eza phambili kwenomboro yesi 5? - Ngijphi inomboro eza emva ko-4 njll? - Lokha nawunamahabhula ama 5 begodu ukhupha mabili. Mangaki amahabhula aseleko? - Ngibonisa imino emi 5. - Zingaki iinzwani onazo enyaweni li-1? 	<p>Izinto zokubala ngesimumathini</p>	<p>Ilanga li-1</p>
<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Abafundi bathuthukisa umqondo wenomboro ngoku:</p> <ul style="list-style-type: none"> - Ukwenza inomboro yku- 5 ngehlama yokudlala. - Ukupaka amakari ama -5. - Ukubala izinto nokuzihlanganisa nezinto zokubala. - Ukuthuthukisa itemuko lokutijhejwa kwenomboro ngokuvumela abafundi : - Pake izinto zokubala ezihlanu nofana nanyana ngiziphi izinto ngeendlela ezihlukeneko isib. 		<p>Ibumba nofana ihlama yokudlala Amakari</p>	<p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonelo:</p> <ul style="list-style-type: none"> - Hlela iinkunupe ezi-5, amapensela ama-5, amahula wupsi ama-4, abafundi aba-5 njll. - Zibale ngendlela ehlukahlukeneko ehlelekileko Isibonelo: <p>Zibale zisabalele, zifihdelene, zirhemile nofana zipakiwe.</p>

Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalu ngeveke)			
Iveke 21	linhloko	Amanothi athladhlulako	Iinsetjenziswa eziphakanyisiweko
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Amanothi athladhlulako</p> <p>• Ukuthuthukisa umkhumbulo begodu ukhuthaze abafundi ukubamba ngehloko inomboro yasekhaya, inomboro yesiphande nenomboro yomrhala.</p> <p>Dlala imidlalo enjenge:</p> <ul style="list-style-type: none"> - Utijhere utjho inomboro yendlu, inomboro yesiphande nofana inomboro yomrhala yomfundi. Inomboro nofana isiphande somfundi nasibizwako kufuze umfundi loyo aphendule.. - Lokha nakazalisa ijejista yokubakhona nofana yokungabikhona komfundi esikoleni utijhere angabuza imibuzo enjengokuthi: "umfundi wenomboro yomrhala ethi 435-6256 ukhona namhlanje?" "umfundi ohlala eMandela Drive 123 ukhona namhlanje?" - Abafundi basebenzisa itshwayo lenomboro amafetjhi karada ukupaka inomboro yendlu nofana inomboro yomrhala ngokulandelana nalokha kungaphumeleli. - linkulumo zokulingisa emrheleni wokudlalisa. Abafundi badosela omunye oqakathekile umrhala. . <p>Hlanganisa nobuKghwari bokwenza (umdlalo) emaKghonweni wePilo</p>	<p>Iinsetjenziswa eziphakanyisiweko</p> <p>Inomboro yomrhala kufanele kube yinomboro yokuthintana yombelethi nofana yomthogomeli begodu kungaba yinomboro yakamalledinini.</p> <p>Amathswayo weenomboro, amafetjhi karada nofana amathswayo weenomboro amakhulu enziwe ngekhadibhodi.</p> <p>Umrhala wokudlalisa</p>
		<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Utijhere ubonisa abafundi:</p> <ul style="list-style-type: none"> - Imihlobo ehlukeneko yeenrhatjhi lapho angafumana khona inomboro ku- 5 isib. Amakarada wamalanga wamabeletho, amaphephandaba, amamagazini, amaflaya njll. - Ifletjhi karada elinamaqatjhazi ama 5 nefletjhi karada elineenthombe ezi 5. - Vumela abafundi bonyana bahlobanise amafetjhi karada weenthombe namafeletjhi karada wamaqatjhazi begodu nenani elifafanako lezinto zokubala nofana izinto. - Yenza amaphazele weenomboro ezifaka hlangana inomboro ku- 5. Isib. 	<p>Amakarada wamalanga wamabeletho nobu</p> <p>amaphephandaba, amamagazini</p> <p>amafetjhi karada anamaqatjhazi ama 5.</p> <p>Amafetjhi karada aneenthombe ezi 5.</p> <p>Izinto</p> <p>Izinto zokubala</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isithombe sezinto ezi 5</p> </div>  </div>

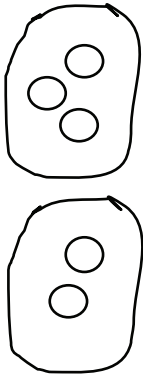
Iveke 21 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeemibalo ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>linhloko</p> <p>1.3 Amatshwayo weenomboro namabizo weenomboro</p> <p>Amanothi atihadhulako</p> <ul style="list-style-type: none"> • Ukwazi itshwayo lenomboro nokukhumbula ibizo lenomboro efaka hiangana inomboro ku- 5. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 5. Ukubala uye phambili begodu uye emuva ukufika ku-5. Ukubala okungakahleleki 1-10.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Vumela itlasi loke bonyana bahlale benze indulungu. - Nombora abafundi ukuya ngephetheni. 1, 2, 3, 4, 5. 1, 2, 3, 4, 5. - Buza imibuzo enjenga, "ngubani olandelako ozokuba sebumweni besi-5? Ngubani ozokuba sebumweni besi-4 obulandelako?" - Uwurarulule njani umraro? - (Abafundi bararulula umraro ngendlela ephathekako ukwenza ibonelo phambili lenomboro elandelako ngokubala baye phambili) <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Sebenzisa amakarada weenomboro amakghwakhwa afaka hiangana inomboro yo-1 ukufika ku-5. - Abafundi bavala amehlo wabo begodu bezwe inomboro yesihlanu hiangana namanye amatshwayo weenomboro basebenzisa imino yabo. <p>Nikela umfundi ngamunye izinto zokubala ezi 5 neenkopi zeplastiki ezimbili nofana neemumathi zamaqanda ezimbili.</p> <ul style="list-style-type: none"> - Buza abafundi bonyana: "ziindlela ezihlukileko ezingaki ongahele ngazo izinto zokubala ezihlanu ngemabhaskedini amabili?" <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <p style="text-align: center;">nofana njll.</p>	<p>lingoma zenomboro nemidunduzelo</p> <p>Amakarada weenomboro enziwe ngomathreyeli ongarako onenomboro ku- 5.</p>	<p>Ilanga li 1</p>

Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeemballo ngeveke)			
Iiveke 21	Amanothi athladlulako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
linhloko			Ilanga li 1
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Bona iflethji karada elineenthombe ezi -5. - Bona iflethji karada elinamaqatjhazi ama -5. - Bona itshwayo lenomboro ku- 5 likhangiswe nanyana kukuphi ngetlasini. - Bona itshwayo lenomboro efilethji karadeni. - Khumbula ibozo lenomboro efilethji karadeni. - Hlobanisa inani lezinto zokubala negama lenomborobegodu netshwayo lenomboro ngokupakela into yokubala esithombeni ngasinye nasekaradeni leqatjhazi. 	<p>Amaflethji karada aneenthombe, amaqatjhazi, itshwayo lenomboro nebizo lenomboro Izinto zokubala ezi 5</p> 	
3.4 Isimethri	<ul style="list-style-type: none"> • Ukuqinisa umuda wesimethri kuwe ngokwenza imisikinyeko ekhuthaza ukweqa umuda ophakathi wangaphakathi. <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Diala umdlalo wokulandela umrholi lapho abafundi bakopa khona ubujamo etjhadini. - Diala "umdlalo wokulandela umrholi" lapho utijhere atjengisa khona ubujamo nabafundi bamkopela khona. (faka izenzo lapho abafundi beqa umuda ophakathi wangaphakathi isib. Thinta idolo langakwesokudla ngesandla sangesinceleni) - Diala " umdlalo wokulandela umrholi" lapho abafundi batjengisa khona ubujamo abaseleko bayamkopela. - Utijhere utjengisa abafundi "ukweqa uphakamise izandla neenyawo ngesikhathi sinye" begodu abafundi bakhuthazwa bonyana benze umsikinyeko ofanako. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Beka imigodlalana yeembhontjisi ngesinceleni, ngesidleni, ngaphambili nasemuva komzimba wakhe. - Sebenzisa isandla sakho sangesinceleni ukubeka umgodlalana weembhontjisi ngehlangothini lomzimba wakhe langesidleni.. - Ukuzilula ukweqa umuda ophakathi wangaphakathi. - Buyelela wenze lokhu ngesandla sangesidleni. <p>Hlanganisa umsebenzi lo nomsetjenzana wesiFundo Sokuzithabulula umzimba esifundwenu samaKghono wePiLo</p>		<p>Ilanga li 1</p> <p>Ngemva kwalokho ngendlela eragako bgesikhathi sokudlala okutjaphulukileko nemisejenzana ethuthukisa ukukhula komzimba.</p>




























Iveke 21	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Iinhloko	Amanothi athadhlulako	Ilinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
4.2 Ubude	<p>• Ukulinganisa nokumeda ubude bezinto ezihlukeneko usebenzisa iinyawo, izandla, isiquntu sentambo, isigojwana njll.</p> <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Madanisa ubude beenyawo nezandla zabo. - Abafundi balinganisa bonyana ngiyiphi into ede begodu ngiyiphi efitjhani ngokuzimeda ngeenyawo nofana ngezandla zabo isib. Itafula nofana ingcenywe ehlephukileko yethumbu kusuka ekhaya. - Linganisa bona ngiyiphi into ede khulu nofana efitjhani khulu? Isib. Indledlana yenyawo nofana ireyi leentina. - Vumela abafundi bonyana bafunisele bonyana ngiyiphi ezakuba yidanyana isib. Itlasi nofana itlasi lesitafu yokusebenzela/yokuphumula. - Buza imibuzo enjengokuthi: “Ngiyiphi edenyana / ede khulu, ipensela nofana isiquntu sentambo?”njll. 	<p>Izinto ezinobude obuhlukeneko ezingameciwa ngesandla nofana inyawo isib.</p> <p>Irula, itafula, umnyango, ireyi leentina, ipala linye lamapala webhola okufakwa kilo amagondelo webhola, itlasi, ibulungelo leencwadi njll.</p>	Ilanga li-1

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	
linhloko	Amanothi athadhlulako	Ilinsetjenziswa eziphakanyisiweko
<p>1.1</p> <p>Ukubala izinto</p>	<p>• Ukuqinisa ilwazi elifunyenwe elifaka hiangana inomboro 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 umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijhera 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 ukufunyana inomboro yesi -5 ngoku.:</p> <ul style="list-style-type: none"> - Tjengisa imino emi -5 emoyeni. - Thola izinto ezi -5 ezibomvu, hlaza kwesibhakabhaka, sarulana, iihlaza kotjani. - Thola izinto ezi -5 ezifana nendulungu, isikwere, uncantathu. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi ukuthuthukisa umqondo wenomboro ngoku:</p> <ul style="list-style-type: none"> - Thatha iincwadi ezi-5 ehugwaneni yeencwadi. - Ukwakha umbhojthongo ngamakhubhu ama -5 angenelelanako nofana amabhlogo wokwakha. 	<p>Ilinganiso sesikhathi</p> <p>Ilanga li 1</p> <p>lingoma zeenomboro nemidunduzelo</p> <p>Isib. Imidunduzelo neengoma ezibalako isib.</p> <p>“1,2,3,4,5 “ngakhe ngabamba ifesi ephilako”</p> <p>Izinto zokubala</p> <p>Iincwadi</p> <p>Amabhlogo wokwakha nofana amakhubhu angenelelanako</p>

Iveke 22 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
<p>1.7 Ukuhlanganisa nokukhupha</p>	<p>Amanothi athadhlulako</p> <ul style="list-style-type: none"> • Ukurarulula imiraro yamagama ngomlomo (iimbalo zendatjana) begodu uhlathulule iinsombululo zakho zemiraro ezifaka hlangana inomboro ku- 5. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Bizela abafundi aba -5 ngaphambili. Aba iintulo ezi -5 ngokulinganako hlangana kwabo bobahlanu. - Susa isitulo sinye. Kwanje hlukanisa iintulo hlangana kwabahlanu. Umfundi munye uzothoga isitulo. - Thoma ku -5. Bala uye emuva. Thoma ku ku 3. Bala ufike ku ku-5. Thoma ku ku -1. Bala ufike ku ku-4. njll. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) limbonelo :</p> <ol style="list-style-type: none"> 1. Tjengisa umuno mu -1 ngesandlelani sinye nemino emi-4 ngakwesinye isandla. Mingaki imino sele iyoke? 2. USama unamakuke ama-4. UMpho umnikela li -1 godu. USama unamakuke amangaki nasele awoke. 3. UTomasi unamatje ama -5 begodu unikela uMenzi woma-5 amatje. UMia unamatje 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) 	<p>Iinsetjenziswa eziphakanyisiweko</p> <p>Izinto zokubala Amamabula Ingoma</p>	<p>Isilinganiso sesikhathi</p> <p>Ilanga li 1</p>

Iveke 22	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	
Iinhloko	Amanothi athadhlulako	Isilinganiso sesikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>• Madanisa bonyana ngiliphi lamabuthelo amabili onikelwe wona elinengi kuna, ncani kuna, lingana na, ukufika enomborweni 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 umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla amahlandla amanengi. JAMA</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijihera 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> <ul style="list-style-type: none"> - Utijihere ubeka izinto ezihlukeneko etafuleni isibonelo amakopi ama -2, amabhlogo afanako ama -5, amakorokoti ama -4, iincwadi ezi -2. <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bale inani lamakopi namakorokoti. Kunamakopi amanengi nofana amakorikoti amanengi? - Bala inani lamabhlogo neencwadi. Kunamabhlogo ambadlwana kuneencwadi? - Bala iincwadi namakopi. Kunezinto ezilinganako ngenani nofana awa? 	<p>Ilinga li 1</p>
	<p>lingoma zeenomboro nemidunduzelo</p> <p>Amakopi ama 2, amabhlogo afanako ama 5, amakorokoti ama 4, iincwadi ezi 2</p>	<p>Umfundi ngamunye uthola iingcye ezimbili zevolo.</p> <p>Izinto zokubala ezisi 6 umfundi ngamunye.</p>  <p>Imincamo</p> <p>Amarada weenthombe namakarada wamaqatjhazi afaka hlangana iinomboro ukusuka ku ku-1 ukufika ku ku- 5.</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bahlala phezu komada benze “iindlwana zeenyoni” ezimbili ngevolo. - Utijihere unikela iinyalelo isib. Abafundi babeka izinto zokubala ezi -2 ngendlwaneni yinye yenyoni nazi -3 ngendlwaneni enye yenyoni. Ngijiphi indlwana yenyoni enazinengi? Ngijiphi enezimbadlwana? - Utijihere ubizela abafundi aba -5 phambili. Ufaka inomboro yemincamo engafani esandleni ngasinye somfundi. - Ngisiphi isandla esineminengi ngakiso? - Ngisiphi esinemincani ngakiso? <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijihere ubabonisa amakarada amabili anenani elihlukeneko zamaqatjhazi neenthombe kiwo. - Vumela abafundi ukumadanisa amakarada aneenthombe namaqatjhazi begodu babone umqondo “wokunengi kuna”, okuncani/okumbadlwana kuna nokulingana na. 	

Iveke 22 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi athadhlulako	Iinsetjenziswa eziphakanyisiweko	Isilinganiso sesikhathi
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<p>Amanothi athadhlulako</p> <p>• Ukuqinisekisa ukukupulula iphetheni enikelweko Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Ukusebenza ngeenqhema begodu nokukupulula iphetheni onikelwe yona. isib. mfundi, situlo, mfundi, situlo. - Abafundi ababili, isitulo sinye, abafundi ababili, isitulo sinye. - Gida ngenyawo linye, gida ngelinye inyawo, yeqela phambili, yeqela emva. - Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) - Utijhere wenza iphetheni asebenzisa izinto zokubala neemvalo zamabhodlela isib. Into yokubala, into yokubala, isivalo sebhodlela, into yokubala, into yokubala, into yokubala, isivalo sebhodlela. Abafundi bakopa iphetheni. - Khamba kabuthaka, kabuthaka, msinyana, msinyana. (utijhere ukhuluma akhamba). Abafundi bakopa iphetheni. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Hlukanisa abafundi ngeenqhema ezihlanu. Nikela isiqhema ngasinye iinthombe ukwenza amaphetheni ngazo. - Abafundi bakha iphetheni yesithombe sabo basebenzisa iinthombe abazinikelweko isib. <ul style="list-style-type: none"> o Ilamune. I-abhula, i-abhula, ilamune. o Iviyaviyani, iviyaviyani, inyosi, inyosi. <p>Umsetjenzana lo ungahlanganiswa nobuKghwari ObuBonakalako emaKghonweni wePilo.</p>	<p>Abafundi Iintulo</p> <p>Izinto zokubala Iimvalo zamabhodlela</p> <p>Iinthombe nanyana ngiziphi ezikhona isib. Iinkhangiso</p> <p>Dublikheyitha/yenza godu iinthombe ukuqinisekisa bonyana unazinengi.</p>	<p>Ilanga li 1</p>

Iveke 22 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	Isilinganiso sesikhathi									
linsetjenziswa eziphakanyisiweko	Isikwere esiseflurwini/phasi									
<p>Amanothi athadhlulako</p> <p>Ukukhumbula, ubone begodu utjho ubujamo bakasobabili (2-D) etlasini neenthombeni</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi elitholwe ngeveke yesi -6 efaka hlangana isikwere. Hlanganisa nesifundo sokuThabulula umzimba esifunweni samaKghono WePilo. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Gwala isikwere etatawini lokudlalela uvumele abafundi beqayeqe magega nesikwere. Vumela abafundi bajjho bonyana: "ngeqayeqa magega nesikwere – ihlangothi elilodwa, amahlangothi amabili, amahlangothi amathathu, amahlangothi amane – amahlangothi woke ayafana" - Vumela abafundi balale bahlabane ngeenhloko neenzwani etjanini/phasi/emadeni ukwenza isikwere esikhulu. - Vumela iinqhema zabafundi ukulala phasi emadeni benze isikwere esincani. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umdlalo: utijhere ugwala igridi etatawini lokudlalela. - Beka amajamo wamambala. Isib. Ubujamo beLogi, nofana iinthombe zobujamo ebhlogweni ngayinye. - Utijhere ubiza ubujamo. - Abafundi baphosela umgodlana weembhontjisi ebhlogweni elikhambisana nobujamo obubiziweko. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Abafundi kufuze bahlukanise hlangana namasayizi ohlukeneko nemibala yeenkwere utijhere azilungisileko.</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bona iinkwere ngokuya ngobukhulu obuhlukeneko ngokutjho bonyana ngiziphi iinkwere ezikulu khulu, ngiziphi ezincani khulu begodu ngiziphi iinkwere ezinobukhulu obulingeneko. - Bona imibala yeenkwere ezihlukeneko. <p>Hlela izinto ngokuya ngobujamo, isayizi nombala.</p> <ul style="list-style-type: none"> - Hlela izinto ezihlukeneko ngokuya ngombala nangobujamo. 	<p>llanga li 1</p> <table border="1"> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Umgodlana weembhontjisi</p> <p>Iinkwere ezi 2 ezikulu zamakhadhoksi sinye esihlaza kwesibhakabhaka nasinye esihlaza kotjani.</p> <p>Iinkwere ezi 2 ezipheze zaba zincani sinye esihlaza kwesibhakabhaka nasinye esihlaza kotjani (okulingeneko)</p> <p>Iinkwere ezi 2 zamakhadhoksi amancani khulu, linye elihlaza kwesibhakabhaka nenye elihlaza satjani.</p>									
										
										
										

Iveke 23	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalu ngeveke)		
linhloko	Amanothi atladlululako	Ilinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.1 Ukubala izinto</p>	<p>• Ukuqinisa ilwazi elitholiweko elifaka hiangana iinomboro ku-1 ukuya kuku-5 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 5. Ukubala uye phambili begodu uye emuva ukufika ku-5. Ukubala okungakahleleki 1-10. Ukuqinisa umqondo woku “nengi nokuncani”. Wahla izandla amahlandla amanengi. JAMA Ukuwahla izandla amahlandla ambadlwana. Utijhere uwahla izandla bekube ka-5. Buza umbuzo wokobana: “Ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu?”</p> <p>Okuphathelene nokusikinyeka komzimba Asidlale umdlalo:</p> <ul style="list-style-type: none"> - Utijhere udlala isililiswa isib. Isigubhu. - Abafundi bayakhambakhamba. - Lokha isigubhu nasilisa ukulila, utijhere ubiza inomboro ehlangana kwaku 1 naku 5. - Abafundi bazihlela ngeenqhema ezincani isib. Utijhere ubiza inomboro yesi -3 begodu abafundi bazihlela ngeenqhema zanga -3. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere ubeka izinto ngewobhu phezu kwetafula. Vumela abafundi ukulinganisa bonyana zizinto ezingaki ezisewobhini. - Zibale nawuqeda. 	<p>lingoma zeenomboro nemidunduzelo</p>	<p>Ilanga li 1</p> <p>khetha imisejenzana embadlwana kuphela</p> <p>Isigubhu</p>



Iveke 23 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)									
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi						
1.6 Amaqhingana wokurarulula imiraro	<p>Asidlale umdlalo: Utijhere wakha ilere yenomboro phasi nofana ehlabathini. Inomboro eselerini yenomboro ijamele inomboro yendlu umfundi ahlala kiyo.</p> <p>Utijhere ukhetha abafundi asebenzisa umdunduzelo wokubala begodu anikela iinyalelo ezinjenge:</p> <ul style="list-style-type: none"> - Ngaso soke isikhathi jama phezu kwelize nofana uthome elizeni. Yitjho bonyana ilize litjho bonyana “akunalitho” nokuthi ukubala kuhle kuthoma ku ku 1. - Ngaso soke isikhathi bala ukhambakhamba. - Utijhere uthi ebafundini. “Usendlini yenomboro 2, ngimuphi umuzi oza emva kwenomboro yesi 2?” - Iinyalelo eziragela phambili kungaba: “dlulela endlini yenomboro yesi 3. Buyela emzini wenomboro yesi 2. Dlula uye phambili emzini wenomboro yesi 4.” - Utijhere uthi: “ngisendlini yenomboro yesi 3, ngiyiphi indlu umuzi eza ngemva kwakwami?” - Iya emzini wenomboro yesi 4. Khamba uye phambili ngenomboro yi 1. Khamba inomboro ezi 2 uye emuva. - Jama hlangana nendlu yenomboro yesi 3 neyesi 5. 	<table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> </table> <p>Umdunduzelo wokubala 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	
0	1	2	3	4	5				
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro.	<ul style="list-style-type: none"> • Sebenzisa inomboro ku- 5 ebujameni obujayelekile Ukuze uthuthukise ukukhumbula, khuthaza abafundi uku: <ul style="list-style-type: none"> - Funda ngehloko inomboro yomrhala yababelethi babo. - Funda ngehloko iimphande zemakhabo. - Inomboro yomrhala/ umaliledinini kufanele bonyana ibuyeleliwe ngesikhathi sokulawula irejista yangamalanga. 	<p>Inomboro yomrhala yakamma nofana yakababa nesiphande sekhaya</p>	Ilanga li 1						
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 esibonelweni sakatijhere. Unikela iinlayelo ezilandelako. - Yakha umbhojijhongo onokuphakama okulingana nowami. - Yakha umbhojijhongo ongaphasi kowami (omfijhazana) kunowami. - Yakha umbhojijhongo ophakama phakamileko (omudanyana) kunowami. - Vumela abafundi ukwakha yabo imakhiwo ngokukopela isibonelo esinikelweko. 	<p>Amabhlogo wokwakha/amabhlogo weLego Nanyana ngisiphi isetjenziswa sokwakha</p>							

Iveke 23 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
3.1 Ubujamo, ukujayeza nokubukela	<p>Landela ikombatjhuba ukuzikhambisa nafa ukuzibeka ebujameni obuthile (ikombatjhuba)</p> <ul style="list-style-type: none"> • Thuthukisa umqondo wekombatjhuba ngokwethula imiqondo yomibili yoku “phambili begodu nemuva”⁷ <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Njengesingeniso, qinisa ilwazi elifunyenwe evekeni yobu- 8. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Gwala indulungu ekulu, uncantathu nofana iskwere esiquntwini sephepha usibeke phasi/ emadeni. - Vumela abafundi bonyana ba: - Tjhove ikoloyana yokudlalisa magega nemida begodu uvumele umfundi atjho bonyana ikoloyi ikhambeka iya ngakilphi itjhuba (phambili nemuva, esinceleni nangesidlelani usebenzisa umkhono wakho ukwenza itshwayo langesinceleni nangesidleni) <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi ukulemuka umqondo waphambili/emuva ngokukhomba ikombatjhuba eenthombeni isib. Ikombatjhuba ekhanjwa yikoloyi, ikombatjhuba ekhanjwa mumuntu. 	<p>Ubujamo obukhulu obugwalwe esiquntwini sephepha.</p> <p>Ikoloyi yokudlalisa</p> <p>Iinthombe ezibonisa ngokukhanyako ikombatjhuba. Isib.ikombatjhuba ekhanjwa yikoloyi, ikombatjhuba ekhanjwa mumuntu.</p>	<p>Ilanga li 1</p>

Iveke 23 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	Ukulinganisa ubude besikhathi
Iinhloko	Ilinsetjenziswa eziphakanyisiweko
<p>Amanothi atladlululako</p> <p>Umadanise ahlele izinto eziphathekako asebenzisa ilwazimagama ukuhlathulula ubude</p> <ul style="list-style-type: none"> <li>• Ukulinganisa ubude bezinto ezihlukeneko <li>Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> <li>- Abafundi bazihlela ngokwabo ukusuka komfijhane khulu ukuya komude khulu. Mamanisa ubude babo nobude babangani babo. <li>- Badlala umdlalo othi "landela umrholi" omude khulu wenza umsikinyeko lokha abanye absemUva kwakhe bamlingisela. Jikisa ireyi loke ukwenzela bona omfijhane khulu abe mrholi kwanje. <li>- Vumela abafundi ukumadanisa izandla neenyawo zabo ukubona bonyana ngezakabani ezide khulu/ezifijhane khulu. <p>Linganisa begodu umede:</p> <ul style="list-style-type: none"> <li>- Abafundi balinganisa bonyana ngiyiphi into ede begodu ngiyiphi efijhane. Learners estimate which object is long and which one is short e.g. the length of the table or the piece of string. <li>- Linganisa bonyana ngiyiphi into ede khulu nofana efijhane khulu isib. Ipensela nofana ikhrayoni yamafutha. <li>- Vumela abafundi bafunisele bonyana ngiziphi izinto ezingaba zidenyana isib. Amathunjana wokusela ama-2 alaliswe alandelana nofana iindrajana zokubamba imali/amaphepha ezilaliswe zalandelana. <li>- Buza umbuzo onjengokuthi: "Ngiyiphi edenyana/ede khulu, ipensela nofana isiquntu sentambo? Njll. <li>- Ngisiphi isitulo esikude khulu kunedeski yakatijhere? <li>- Zingaki iimpensela ezingalingana ngehangathini elide ledeski yakatijhere? <li>- Uthatha amagadango amangaki ukufika emnyango? <li>- Mangaki amabhoksi womilo, azaliswe ngehlabathi, azazalisa ibhoksi leli? <li>- Zingaki iinkopi zamaqanda ezizele amanzi ezingazalisa irhalasi leli? <li>- Naba abafundi abane neentulo ezine. <li>- Ziintulo ezinengi kangangani esizithogako? 	<p>Amalanga ama 2</p> <p>nofana</p> <p>Khetha imisetjenzana embadlwana kuphela</p> <p>Izinto ezinobude obuhlukeneko njenge: Amapensela, amakhrayoni wamafutha, iinquntu zentambo (yinye yakhona etshophekileko) itafula, iincwadi, amathunjana wokusela, iindrajana zokubamba imali /amaphepha (ebhinciweko yavuleka netshophekileko) njll.</p>

Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko
<p>1.1 Ukubala izinto</p>	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukwethula ihiathululo 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”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi 6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bala ufike enomborweni yesi-6 lokha nawukhwela iintebhisi. - Bala uye emuva lokha nawehlako. - Gwala inomboro yesi -6 ehlabathini ukhambe/weqayeqe/weqe ngenyawo linye magega nayo. - Wahla izandla amahlandla asi-6. - Khumbula inomboro ku-1 ukufika enomborweni yesi-6 ngesede yamatshwayo weenomboro. - Ukupakulula isiphande sekhabo nofana inomboro yomrhala ngamakarada amakhulu weishwayo lenomboro. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Yenza isede yakho ekulu yamatshwayo weenomboro, abantwana abangakghona ukuziphatha. Bangafunda inomboro yeminyaka yabo, inomboro yefede/yomuzi, inomboro yomrhala nofana umalaledinini wababelethi nokhunye okunengi.</p> <p>Isede yenomboro efanako ingasetjenziswa ukukhumbula inomboro nokupakela inomboro ngokulandelana.</p>

Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Iinhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Bala izinto ngetlasini. Vumela abafundi bonyana ba:</p> <p>Buza imibuzo enjengo:</p> <ul style="list-style-type: none"> - Ngijiphi inomoro ezangemuva kwenomoro yesithathu, ngijiphi inomoro eza ngemuva kwenomoro yesi 5 njll. - Utijhere ubeka izinto ngewobhu phezu kwetafula. Vumela abafundi ukulinganisa bonyana zizinto ezingaki ezingewobhini. Ngemuva kwalokho uzibale. - Ukuthuthukisa ilemuko lokutijhejwa kwenomoro ngokuvumela abafundi ba: <ul style="list-style-type: none"> pake izinto zokubala ezisithandathu nofana nanyana ngiziphi izinto ngeendlela ezihlukeneko isib 	<p>Izinto etlasi nasebhodulukweni</p> <p>Sebenzisa imihlobohlobo yeensiza ukunikela umqondo wokobana ungawasebenzisa burjani amaqhinga ahlukehlukeneko.</p> <p>Amabhlogo wokwakha asi 6 umfundi ngamunye</p>	<p>Ilanga li 1</p>

Iveke 24 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukwazi itshwayo lenomboro begodu nokubona igama lenomboro efaka hlangana inomboro si- 6 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si- 6. Ukubala uye phambili begodu uye emuva ukufika ku-6.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi - 6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene 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 baqagele bonyana bafundi abangaki abazotihogeka ukwenza inomboro yesi - 6 ngemizimba yabo. Bakhe inomboro yesi - 6 ngemizimba yabo.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka iwobhu lezinto phezu kwetafula. Dlala ngeenomboro ukusuka kwe -1 ukuya kweyesi - 6 isib. - Vumela abafundi bafunisele bonyana zizinto ezingaki ezikhona: - Bala izinto. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Izinto ezisi 6</p>	<p>Ilanga li 1</p>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Bona emvangweni wamafeji karada lawo aneenthombe ezisi - 6 kiwo begodu bawahlobanise nenani elifanako lezinto zokubala. - Bonisa amafetji karada aneenthombe ezisi 6 begodu uwahlobanise nenani elifanako lamatshwayo weenomboro begodu nange nani elifanako lezinto zokubala. - Bonisa amafetji karada anamaqatjhazi asi 6 begodu uwahlobanise nenani elifanako lamatshwayo weenomboro begodu nenani elifanako lezinto zokubala. - Ukubona emihlobeni yamafeji karada ahluhlukeneko lawo anegama lenomboro sithandathu kiwo begodu bawahlobanise netshwayo lenomboro nenani elifanako lezinto zokubala. 	<p>Iinthombe begodu namafejnikarada wamaqatjhazi afaka hlangana inomboro si-6.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isithombe sezinto ezisi 6</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>6</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isithandathu</p> </div> </div> <p>Izinto zokubala nofana izinto ezibusontathu</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isithombe sezinto ezisi 6</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>6</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Isithandathu</p> </div> </div>	

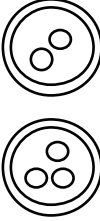
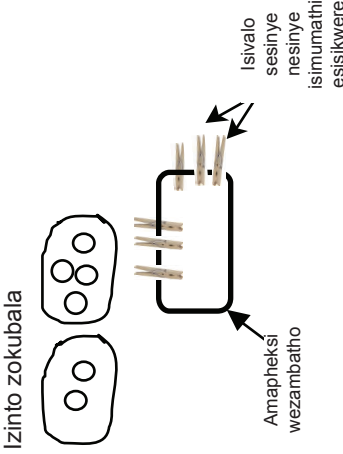
Iveke 24	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)		
Iinhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.13</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Ukurarulula imiraro yokuhlanganisa nokukhupha ngomlomo neensombululo ezifika kusi-6.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni si- 6. Ukubala uye phambili begodu uye emuva ukufika kusi-6.</p> <p>Buza umbuzo wokobana ngimaphi amahlamla 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 ngaphambili. Abafundi bayababala. 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 eniyibonako? 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>lingoma zenomboro nemidunduzelo</p> <p>Abafundi Iintulo</p>	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi ukukhupha izinto zokubala ezisi - 6 begodu benze okulandelako:</p> <ul style="list-style-type: none"> • Utijhere unikela umfundi ngamunye izinto zokubala ezisi-6. • Utijhere unikela iinyalelo begodu abafundi bayaphendula isib. Khupha izinto zokubala ezi - 2, faka ezinye 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>Imincamo nofana izinto zokubala.</p>	

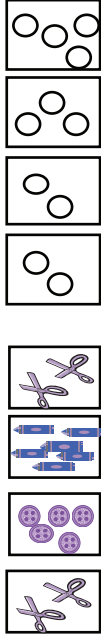
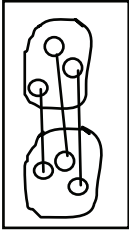
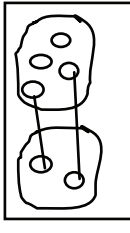

Iveke 24 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.13 Ukuhlanganisa nokukhupha	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukurarulula imiraro yamagama ngomlomo efaka 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 nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi 6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) limbonelo:</p> <ol style="list-style-type: none"> 1. UMpho unamakokisi ama-4 . UPeter umngezelelela ngama- 2 phezulu. UMpho sekanamakokisi amangaki nasele awoke? 2. UNobuhle unabonopopi aba -3 begodu uMartha unaba 2. Ngubani onabonopopi abanengi? UNobuhle unabonopopi abanengi ngabangaki ukudlula uMartha? 3. Kuneenyoni ezi -5 phezu kwedrada. Ezi-2 ziyaphapha. Kusele iinyoni ezingaki? 4. UPatrick uneenkoloyi zokudlala ezisi -6. UTiny unazi -4. UTiny uneenkoloyi zokudlala ezingaphas ngazingaki kunezakaPatrick? 5. Umntwana munye unepumulo yinye. Abantwana abathathu bana..... 6. Umntwana munye uneenyawo ezimbili. Abantwana abathathu bana 7. Umntwana munye unemikhono emibili. Abantwana ababili bana 8. Umntwana munye unomlomo munye. Abantwana abathathu bana 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Izinto zokubala</p> <p>Sebenzisa imihloboho yeensiza ukunikela umcabango wokuthi ungawasebenzisa bunjani amaqingha ahlukeneko.</p>	<p>Ilanga li 1</p>
3.2 Izinto ezibusontathu (3-D)	<ul style="list-style-type: none"> • Ukwakha umakhiwo obusobuthathu 3-D ngokuwususele emutlameni nofana ikarada lesithombe Vumela abafundi bonyana ba: - Khe umakhiwo ngomtlamo nofana ngesithombe. - Rubela/luke umncamo ngokuya ngokulandelana esithombeni esinikelweko. 	<p>“Ubuja mo beLogi” amabhlogo wekghono. Nofana ngiziphi iintlabagelo zokwakha. Imincamo, iintambo zamanyathelo. Imihloboho yamakarada agwaliweko atjengisa ukulandelana kwemincamo.</p>	

Iveke 25 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>linhloko</p> <p>1.1</p> <p>Ukubala izinto</p> <p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi elifunyenwe evekeni yama 24 elifaka hlangua inomboro yesi 6 . <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni ku- 6.</p> <p>Ukubala uye phambili begodu uye emuva ukufika ku-6.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi 6.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	<p>lingoma zeenomoro nemidunduzelo</p> <p>Isede yamakhadhoksi amakhulu wamakrada wetswayo lenomboro. Ungawapenda phezu kweenquntu ezidege zeplastiki nofana zekhadibhoksi.</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 5px;">1</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">3</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">4</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">5</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">6</div> </div>	<p>Ilanga li 1</p>
<p>Okuphathelene nokusikinyeka komzimba</p> <p>Asidlale umdlalo:</p> <p>Utijhere ubeka ubujamo obukhulu benomoro yekhadibhoksi nofana amakarada afaka hlangua inomboro ku- 1 ukuya esi- 6 ngokulandela naphasi eflurwini..</p> <p>Utijhere unikela abantwana umyalelo njengokuthi:</p> <ul style="list-style-type: none"> - Hlala phezu kwenomoro si- 6. - Beka izwani wakho enomborweni yesi -3. - Gijima uzombeze inomboro yesi -2 kathathu. - Yeqa yeqa phezu kwenomoro ku- 1. - Ngokukhamba kwesikhathi utijhere angaphadlala amakarada wetswayo lenomboro anikele iyalelo ezifana nezangehla. 	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Abafundi aba:</p> <ul style="list-style-type: none"> - Bala izinto etlasini okufaka hlangua inomboro 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 wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.3 Amatshwayo weenomboro namabizo weenomboro	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukukhumbula nokubona itshwayo lenomboro negama lenomboro elifaka hiangana 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 nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi -6. Buza umbuzo wokobana ngimaphi amawahlo bekamanengi khulu/bekamncani khulu.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Bonisa abafundi ifletjhi karada elinamaqatjhazi asithandathu begodu ulihlobanise nenani elilinganako lezinto zokubala. - Dlala umdlalo wokukhomba itshwayo lenomboro enqotjiweko hiangana nezinye begodu uyihlobanise nenani elifanako lezinto zokubala. - Dlala umdlalo wokukhomba igama lenomboro enqotjiweko hiangana nezinye begodu uyihlobanise nenani elifanako lezinto zokubala. - Dlala umdlalo ngokuhlobanisa inani lezinto zokubala negama lenomboro, itshwayo lenomboro namakarada wenomboro. - Gadangisa umthlala wenomboro si -6 ngekhrayoni. 	<p>Iinsetjenziswa eziphakanyisiweko</p> <p>Iingoma zenomboro nemidunduzelo</p>	<p>Ukulinganisa ubude besikhathi</p> <p>Ilanga li 1</p>


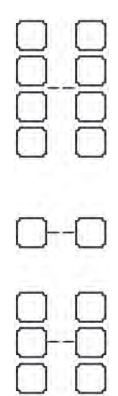



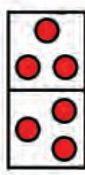
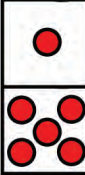
Iveke 25 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukuhlela nokumadanisa ibuthelelo 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 nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi 6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	<p>lingoma zenomboro nemidunduzelo</p> <p>linga li 1</p> <p>Khetha imisetjenzana embadlwana kuphela</p>	
	<p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubeka amawupsi amabili phasi. - Ubiza abufundi aba-3 ukuzojama “ngendlwaneni yenyoni yinye” begodu nabafundi aba -2 ukuzojama “ngendlwaneni enye yenyoni” . . . - Niyiphi “indlwana yenyoni” enabafundi abanengi ngakiyo? 	<p>amawupsi ama 2</p> 	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bahlala phezu kwemada benze indlwana zeenyoni ezimbili ngewulu. - Utijhere unikela iinlayelo isib. Abafundi babeka izinto zokubala ezi -2 “ngendlwaneni yinye yenyoni” begodu nazi -4 “ngendlwaneni yenyoni” enye. Ngijiphi “indlwana yenyoni” enezinto zokubala ezinengi? Ngijiphi “indlwana enezincanyana (ezimbadlwana)?” Ngijiphi “indlwana” enezineng/ezinengi khulu?” - Buyelela usebenzisa inomboro ukufika kwezisi- 6. - Utijhere usebenzisa isivalo sesimumathi se-ayisikhrimu. Uneka amapeksi ama 3 ehlangothini elingaphezulu lesivalo begodu nama 3 ehlangothini langesidleni lesivalo. Ngijiphi inomboro yamapeksi enengi kunenye, nofana ziyalingana? <p>Abafundi bangenza umsebenzi lo ngeenqhema, esinye nesinye isiqhema nesivalo saso namapeksi wezambatho.</p>	<p>lingcanye ezi 2 zewulu zomunye nomunye umfundi</p> <p>Izinto zokubala</p> 	

Iveke 25 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ubonisa amakarada anenomboro ehlukeleko yamaqatjhazi neenthombe.  <ul style="list-style-type: none"> - Vumela abafundi bamadanise amakarada aneenthombe begodu namaqatjhazi kiwo, begodu babone umqondo "wokunengi kuna", "wokuncani kuna", "wokulinganako." - Abafundi bagwala iindlwana zeenyoni esiquntwini sephepha. Lokha nabatjelwako bapakela izinto zokubala endlwaneni yenyoni ngayinye begodu bahlobanise izinto zokubala endlwaneni ngayinye nekhrayoni. Bathuthukisa umqondo onjengokwabelana ngokulinganako isib.  <ul style="list-style-type: none"> - Yenza ukubuthela kweenomboro ezizeleko neependulo ezifaka hlangana neensaleta isib. 	<p>Isithombe namakarada wamaqatjhazi</p> <p>Iphepha le-A4 namakhrayoni wamafutha izinto zokubala</p>	
<p>3.3</p> <p>Ubujamo obubusobubili (2-D)</p>	<p>Ukukhumbula, ukubona nokujho ubujamo bukasobabili etlasini nangeenthombeni</p> <ul style="list-style-type: none"> • Ukwenza nokuzalisa amaphazeli wakho ama -5 <p>Abafundi ba:</p> <ul style="list-style-type: none"> - Gwala isithombe ephepheni le A4. - Utijhere ugwala imida ngemuva komgwalo womfundi. - Umfundi uqunta isithombe sakhe emudeni onikelweko. - Umfundi uzalisa iphazeli yakhe 	<p>Amakhrayoni iphepha le-A4 Amakhrayoni linkero Imvilobhunofana isikhwama sokuzenzela sokubeka iphazeli (bhinca iphepha le-A4 unamathelise amahlangothi)</p>	<p>Ilanga li 1</p> 


Iveke 25	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)														
Iinhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi												
<p>5.1</p> <p>Ukubuthethelela nokuhlela izinto ngemihlobo</p>	<p>Inani lamaledere egameni lomfundi</p> <p>Ukurarulula imiraro: Buza abafundi umbuzo: Kghani amagama anamaledere asithandathu anedumo na/manengi khulu na?" Singathola bunjani? Ngiliphi ilwazi ekufanele siliibuthethelele?</p> <p>Ukubuthethelela idatha</p> <ul style="list-style-type: none"> - Abafundi babala inomboro yamaledere emagameni wabo elebulini yamagam wabo enziwe ngutijhere. - Utijhere uphakamisa ikarada lenomboro elikhambisana nenomboro yamaledere egameni lomfundi begodu abuze: Ngubani onamaledere ama-4 egameni lakhe atjho aphakamise itshwayo lenomboro ku-4? Buyelela ngazo zoke iinomboro. 		Amaledere ama 5												
<p>5.2</p> <p>Ukujamiselela ibuthethelelo lezinto elihlelekileko</p>	<p>Gwala igrafu</p> <ul style="list-style-type: none"> - Utijhere ugwala igrafu elandelako lokha nakaphakamisa iinomboro: 	<table border="1"> <thead> <tr> <th>Amaledere ama 3</th> <th>Amaledere ama 4</th> <th>Amaledere ama 5</th> <th>Amaledere asi 6</th> </tr> </thead> <tbody> <tr> <td>Ann Sam</td> <td>Kady Mark Maja</td> <td>David Aidon Sarah Caleb Naila</td> <td>Sophie Jessie</td> </tr> <tr> <td>2</td> <td>3</td> <td>5</td> <td>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	
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												
<p>5.3</p> <p>Coca bewubike ngokuhlelwa kwezinto ezibuthethelelweko</p>	<p>Ukufunda nokurhumutjha igrafu</p> <ul style="list-style-type: none"> - Ngiyphi inomboro yamaledere evela kanengi egameni? - Magama amangaki anamaledere amanengi kunama 5? - Magama amangaki anamaledere angaphasi kwama 5? 														

Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>linhloko</p> <p>1.1</p> <p>Ukubala izinto</p>	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi elifunyenweko elifaka hlangana iinomboro ku- 1 ukufika kweyesi -6 <p>Zomlomo: ukubala izinto zangamalanga.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana 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> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Ukwakha amatshwayo weenomboro ngemizimba yabo. - Ukuphakamisa inani lemimo ngeenyalelo zakatijhere. - Ukwakha amatshwayo weenomboro ngeenquntu zeentambo nofana ihlama yokudlala. - Ukuzwa ubujamo beenomboro zekhadbhoksi ngeengodleni ufanise inomboro ngayinye. - Tlola amatshwayo weenomboro ku-1 ukufika kweyesi -6 phasi nofana emoyeni njll. 	<p>llanga li 1</p> <p>Imidunduzelo yeenomboro neengoma</p> <p>Amasede amabili wamakhadibhoksi wobujamo beenomboro ngeengodleni ophethe izinto okufanel afunisele ngokuzwa/ngokuthinta bona ubambe ini.</p>


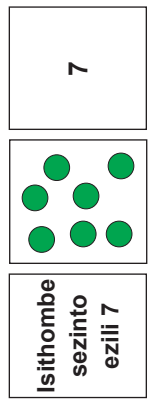
Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>linhloko</p> <p>1.1</p> <p>Ukubala izinto</p>	<p>Amanothi atladlululako</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bale izinto etlasini ezifaka hlangana iinomboro ezisuka ku-1 ukufika kusi- 6. - Bale izinto zokubala ukufika enomborweni yesi- 6. - Beke amakhyubhu weyunifiksi ambadlwana nofana izinto zokubala zemibalabala ngereyi phezu kwetafula. - Abafundi bamadanisa amakhyubhu ngokufaka umbala basebenzisa amanye amakhyubhu weyunifiksi nofana izinto zokubala. Isibonelo: <div style="text-align: center;">  </div> <ul style="list-style-type: none"> - Yenza iinqheema zobude ezihlukeneko. Abafundi bamadanisa ngokuya ngobungako/ngobunengi. <div style="text-align: center;">  </div>	<p>Ilanga li 1</p> <p>Izinto etlasini.</p> <p>Izinto zokubala zemibala nofana amakhyubhu wamayunifiksi</p>
<p>1.3</p> <p>Amatshwayo weenomboro namabizo weenomboro</p>	<p>• Ukwazi amatshwayo weenomboro nokukhumbula amagama weenomboro afaka hlangana inomboro ku-1 ukuya kusi- 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 nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi -6.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Asidlale umdlalo:</p> <ul style="list-style-type: none"> - Utijhere utlole igama lenomboro ehlangothini elinye lekarada atolele itshwayo lenomboro ngakelinye ihlangothini lekarada lona lelo, elifaka hlangana iinomboro ku- 1 ukuya kusi- 6 (yenza amasede ambadlwana). - Abafundi “bafunda” igama lenomboro begodu bafuniselele itshwayo lenomboro. - Baphendulela ikarada bazilungise bona ngokwabo. 	<p>Ilanga li 1</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;">Ingaphambili lekarada</div> <div style="border: 1px solid black; padding: 5px;">Ingaphandle lekarada</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px;">isithan-dathuu</div> <div style="border: 1px solid black; padding: 5px;">6</div> </div> <p>Amakarada afaka hlangana iinomboro ezisuka ku- 1 ukufika kweyesi -6 negama lenomboro ehlangothini elinye netshwayo lenomboro kelinye ihlangothi. (yenza amasende ambadlwana ukuze umfundi ngamunye athole ikarada ngalinye).</p>

Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukurarulula imiraro yamagama ngomlomo (iimbalo zeendatjana) ebujaameni obuthize begodu ahlathulule iinsombululo zakhe emirarweni efaka hiangana inomoro 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 nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi 6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ol style="list-style-type: none"> 1. Nikela umfundi ngamunye isiquntu sephepha le-A4 elinomuda ogwalwe wajama rwe nezinto zokubala ezisi 6 isib. <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> □ </div> </div> 2. Vumela abafundi baphose izinto zokubala ngokuyelela esiquntwini sephepha begodu bahlathulule bonyana ziwe bunjani isib. <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px;">  </div> <div style="border: 1px solid black; padding: 5px;">  </div> </div> <p style="text-align: center;">Ku-4 na ku-2 → 6 (4 na 2 kukunikela 6)</p> <p style="text-align: center;">Ku-3 na ku-3 → 6</p> 3. Buyelela godu ngeenomboro ku- 1 ukuya ku ku-5. <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px;">  </div> </div> <p style="text-align: center;">Ku-5 na ku-1 → 6</p> 4. Ukurarulula umraro: Hlathulula iinsombululo zakho zemiraro. 5. Yenza njalo nangemiraro yokukhupha 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Izinto zokubala ezisi 6 zomfundi ngamunye</p> <p>Iphepha le-A4 elinomuda ojame rwe phakathi.</p>	<p>Ilanga li 1</p>

Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ukulinganisa ubude besikhathi
<p>linsetjenziswa eziphakanyisiweko</p> <p>Amanothi atladlululako</p> <p> <ul style="list-style-type: none"> • Yethula umqondo wokumeda umthamo ngokumadanisa bonyana iimumathi ezihlukahlukeneko zithatha okungangani isib. - “okuzeleko/okunganalitho” - “okunengi kuna/okuncani kuna” - okunengi/okuncani </p> <p>Yethula umthamo ebfundini ngokubabuza bonyana ngisiphi isimumathi esithwala okunengi. Esikhathini esinengi abafundi bamadanisa ubude kunomthamo.</p> <p>Isibonelo, lokha nababuzwa bonyana khuyini okumumatha okunengi, simumathi eside nofana isimumathi esifijhani, abafundi abanengi bazokheha isimumathi eside nalokha isimumathi esifijhani ngokweqiniso siphatha okusaketjezi okunengi.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>“Okunengi kuna/okuncani kuna”</p> <p>- Sebenzisa isimumathi sinye njengesimedo esihlelekileko isib. Ikopi leyogadi.</p> <p>- Nikela abafundi iimumathi zemihlobohlobo.</p> <p>Vumela abafundi bonyana ba:</p> <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> <p>Nikela abafundi isigobho nethunga elinesanda ukunghwathela isanda ngekopini.</p> <p>Vumela abafundi ba:</p> <p> <ul style="list-style-type: none"> - Bale bonyana ziingobho ezingaki zesanda azithogako ukuzalisa ikopi. Umsebenzi wokulinga ungenziwa ube budisi khulu ngokunikela ngaphezu kwesimumathi esisodwa isib. Ikopi, Irhalasi yeplastiki nejege encani. - Buyelela umsebenzi usebenzise amakopi. </p>	<p>Ilanga li 1</p> <p>Khetha umsetjenzana munye nofana emibili kuphela</p> <p>Amanzi (ngesikhathi sokudlala ngamanzi) nesanda (ngesikhathi sokudlala ngesanda endaweni yokudlala ngesanda) iindawo ezilungele ukuthuthukisa umthamo.</p> <p>Iimumathi zemuhlobohlobo zobujamo nobukhulu obuhlukeneko.</p> <p>Ikopi leyogadi</p> <p>Ithunga elinesanda</p> <p>Ibhigiri</p> <p>Ilebhula letiye</p>



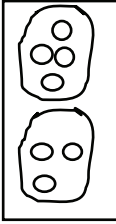
Iveke 26 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Iinsejenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>linhloko</p> <p>3.1 Ubujamo, ukujayeza nokubukela</p> <p>Amanothi atladlululako</p> <p>Ukuhiathulula into eyodwa nofana ngaphezulu ezibosobathathu ezinetjhebiswano enye kwenye</p> <ul style="list-style-type: none"> • Ubujamo bezinto ezimbili nofana ngaphezulu lokha nawuzihlobanisa enye kwenye. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Umsebenzi wephegibhodi</p> <p>Vumela umfundi bonyana athome ngokusebenzisa isandla sakhe 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 nendawo</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukwenza ubujamo phezu kwephegibhodi ngamapegsi anombala. - Utijhere utlama iphetheni elula ngamapegsi ephegibhodini yakhe begodu abafundi bakopa iphetheni yakhe ephegibhodini yakhe. - Abafundi bakopa iphetheni ekaradeni elinephetheni egwalwe kilo. 	<p>Iphigibhodi yomfundi nomfundi nofana basebenze ngeenqhema.</p> <p>Amakarada anephetheni egwalwe kiyo.</p>  <p>Iphigibhodi yomfundi nomfundi nofana basebenze ngeenqhema.</p> <p>Ikarada elinephetheni egwalwe kiyo.</p>	<p>Ilanga li 1</p>

Iveke 27	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>• Thula ihlathululo yenomboro li-7</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7.</p> <p>Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Qinisa ukubala ngeenomboro sikhundla:</p> <p>Utijhere upakela izinto ezi-3 ngeroyi. Ukhomba into ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine.</i></p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-7.</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 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 nabehta iintebhisi, beqela ngaphakathi nangaphandle kwamawupsi. - Gadanga ngeenyawo ngokulandela amagido alandelanako. 	<p>Imidunduzelo yeenomboro neengoma</p> <p>Amabholo wamaphephandaba Amathunga</p>	<p>Ilanga li 1</p>

Iveke 27 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.1 Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Utijhere ubeka iwobhu lamabhlogo wokwakha ekabeni yetlasi. Unikela iinlayelo ezinjengo:</p> <ul style="list-style-type: none"> - Thatha amabhlogo ama -3 ewobhini. - Thatha amabhlogo ama -4 ewobhini begodu ubuyisele mabili njll. - Utijhere ubeka izinto ewobhini phezu kwetafula. Vumela abafundi balinganise bonyana zizinto ezingaki ezingewobhini. Zibale emva kwalokho. - Ukuthuthukisa ilemuko lokutjhejwa kwenomboro ngokuvumela abafundi ba pake izinto zokubala ezilikhomba nofana nanyana ngiziphi izinto ngeendlela ezihlukeneko isib  <p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonelo:</p> <ul style="list-style-type: none"> - Hlela iinkinobho ezili-7, iimpensela ezili-7, amawupsi ali-7, abafundi abali -7 njll. - Zibale zihleleke ngeendlela ezihlukehlukeneko isib. Zibale zirhatjhekile, zitjhidelene, zingomuda nofana ziyiwobhu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Asidlale umdlalo:</p> <ul style="list-style-type: none"> - Utijhere ugwala nofana anamathelise iinthombe ehlangothini elinye lekarada begodu agwale inani elifanako lamaqatjhazi kwelinye ihlangothi lekarada okufaka hlangana iinomboro ukusuka kweyoku-1 ukuya kweye-7 (yenza amasede ambalwa) - Unikela umfundi ngamunye isede yinye yekarada. - Abafundi babala ina I leenthombe ekaradeni. - Jikisa ikarada begodu ubale inani lamaqatjhazi. - Utijhere uphakamisa ikarada lakhe linye elinamaqatjhazi. - Abafundi bamadanisa ikarada labo ngenani lamaqatjhazi wakhe. - Utijhere uphakamisa isede yakhe yamakarada anetshwayo lenomboro. - Abafundi bamadanisa ikarada wabo netshwayo lakhe lenomboro. - Umfundi onekarada elifaneleko angasikima begodu abalele phezulu inani leenthombe. 	<p>Amabhlogo wokwakha nofana amabhlogo weLego.</p>	<p>Ilanga li 1</p>
		<p>Amasede ambadlwana wesithombe, iqatjhazi begodu nefletjkarada letshwayo lenomboro efaka hlangana iinomboro ezisuka ku-1 ukufika kuli-7</p> 	


Iveke 27 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)											
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi								
1.13 Ukuhlanganisa nokukhupha	<p>Ukurarulula imiraro yokuhlanganisa nokukhupha ngomlomo neensombululo ezifika kuli-7.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7. Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi-7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	lingoma zeenomboro nemidunduzelo	llanga li 1								
1.6 Amaqhingana wokurarulula imiraro	<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. Utijhere uyabuza bonyana: - Ngijyphi inomboro eza hlangana kweye 4 neyesi 6? Abafundi balemuka ukusebenzisa ileri yenomboro. - Ngiziphi inomboro eziza hlangana kweyesi 2 neyesi 5? - Sebenzisa imiqondo yakho ukuvumela abafundi balemuke ihlathululo lenomboro ye-7 ngokuphathelene nemizimba yabo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Nikela umfundi ngamunye imincamo nofana izinto zokubala ezili-7. 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 (utijhere 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, kusele zingaki? 	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table> <p style="text-align: center;">Imincamo nofana izinto zokubala</p> <p style="text-align: center;">Izinto zokubala</p>	0	1	2	3	4	5	6	7	
0	1	2	3	4	5	6	7				

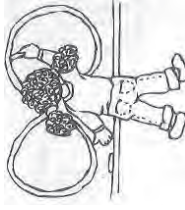
Iveke 27 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.11 Imali	<ul style="list-style-type: none"> • Ukukhumbula nokubona imali yamaphepha yeSewula Afrika <ul style="list-style-type: none"> - Sebenzisa imali yamaphepha isib. R10, R20, R50, R100, R200 - Yenza abafundi balemuke iinthonbe zeembandana ezihlukeneko emalini yamaphepha. - Lingisa ngemali ehugwini “yendlu”. 	limbonelo zamambala zemali yamaphepha e- R10, R20 nama R50 (nofana usebenzise imali yokudlala)	Ilanga li 1
1.9 Ukubuthelela nokwabelana okurholela ekuhlukaniseni	<ul style="list-style-type: none"> • Ukurarulula nokuhlathulula iinsombululo zemiraro yamagama ngomlomo ebujaameni 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. Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”. Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi-6. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/ mancani khulu.</p>	lingoma zeenomboro nemidunduzelo	Ilanga li 1 Khetha kunye nofana okubili kuphela kokuphathelelene nokusikinyeka komzimba Imisejenzana ephathekako nepheze iphatheke

Iveke 27 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)	Ilinhloko	Amanothi atladlululako	Ilinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.9 Ukubuthethelela nokwabelana okurholela ekuhlukaniseni	<p>Okuphathelene nokusikinyeka komzimba</p> <p>Yenza amasede usebenzisa abafundi:</p> <p>limbonelo:</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 ekhonkhridini nofana esandini. Abafundi benza iziqhema isib. Abafundi aba 4 ngaphakathi kobujamo. 3. Ngesikhathi sejayezo leenqabuli utijhere uthi: “ningakhamba ngesiqhema sangabane ukuyohlamba izandla “kunokuthi” “Abafundi abane bangakhamba bayokuhlamba izandla zabo”. 4. Khetha abafundi abali -7 usebenzisa umdunduzelo wokubala. 5. Abafundi abali -7 abazenze anga baziinyoni benze “umuthi wokudlalisa” ngokusebenzisa iintlabagelo zokukhwela ngaphandle nofana iintulo namatafula ngaphakathi. 6. Utijhere uthumela iinyoni ezi -2 “emuthini wokudlalisa” (abafundi aba 2 bakhwela phezu kweentlabagelo). Enye inyoni godu ikhwela emthini ngasikhathi sinye. “ziinyoni ezingaki ezisemthini njenganje, begodu ziinyoni ezingaki eziphasi?” 7. Buyelela ukubuthethelela abafundi usebenzisa iinomboro ukusuka enomborweni ku-1 ukuya kwezili -7 <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>limbonelo:</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 unazo ngesedeni etja?” 2. Abafundi abagwale iindulungu ezimbili esiquntwini sephapha. Ngokutjelwa ngutijhere, abafundi bapaka izinto zokubala emasedeni womabili ukwenzela bona kube nezinto ezinengi zokubala esedeni yinye kunasesedeni enye. Buza imibuzo enjenge: “Ngiyiphi isede enezinto zokubala ezinengi/ezincani?” 	<p>Izinto zokukhwelela nofana iintafula neentulo.</p> 	<p>Sebenzisa iintlabagelo ukunikela umqondo wokuthi ungawasebenzisa njani amaqhinga ahlukehlukeneko.</p> <p>Izinto zokukhwelela nofana iintafula neentulo.</p>  <p>Izinto zokubala</p> <p>Umfundi ngamunye uthola isiquntu sephapha nekhayoni</p> <p>izinto zokubala</p> 	<p>Ukulinganisa ubude besikhathi</p>

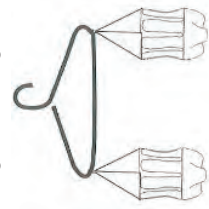
Iveke 27 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)			
linhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>4.4</p> <p>Umthamo</p>	<p>Umadanise ahlele izinto eziphathekako asebenzisa ilwazimagama ukuhlathulula</p> <p>a) umthamo</p> <p>b) okunganalitho, okuzeleko, okuncani kuna, okunengi kuna, okuncani, okuncani</p> <ul style="list-style-type: none"> • Qinisa ilwazi elifunyenwe evekeni yama 26 elifaka hlangua umthamo. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7.</p> <p>Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Qinisa umqondo “wokunengi nokumbadlwana”</p> <p>Wahlia izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahlia izandla zakho amahlandla ambadlwana Utijhere uwahlia izandla zakhe amahlandla ali- 7.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahlia izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Abafundi aba:</p> <ul style="list-style-type: none"> - Lungisa iimumathi ezingenalitho ezimbili ukuya kwezintathu ezihlukeneko ukwenzela umthamo. Ngamanye amagama ngisiphi isimumathi esizokuphatha okunengi nofana okuncani? Abafundi bangalinga ukufuniselel kwabo ngokuthela iinkopi zamanzi ngeemumathini ezingenalitho begodu babale bonyana ngisiphi esithethe iinkopi ezinengi. Ngezelela inani leemumathi ezingenalutho ukwenza kube budisi khulu. - Abafundi bangasebenzisa ikopi lelo njengesimedo bathole bonyana ziinkopi ezingaki zereyisi nofana zeembhontjisi nofana isanda ezingazalisa iimumathi ezifana naleza ezisetjenziswe ngehla. - Hlela umhlobo ofanako weemumathi (isib. Amathunga emgodini wesanda) ukusuka kwesincani ukuya kwesikhulu. - Nikela abafundi umhlobohlobo weemumathi (zobukhulu/isayizi nobujamo obuhlukeneko) begodu ubuze imibuzo enjengokuthi: <ul style="list-style-type: none"> o “Ngiziphi iimumathi kilezi ocabanga bonanya ziphatha isanda/amanzi amanengi?” o Lokha nawuthela amanzi uwathatha kwesinye isimumathi uwathele kwesinye, funiselela bonyana uzowazalisa na?” - Abafundi abazitholelele okwenzekako esimumathini samanzi esizalisweko lokha nakufakwa izinto ezincani isib. Faka amatjama ahlanzekileko, amabhlogo weLego, amabhlogo wamaplastiki isib. Abafundi bajabulela umdlalo wokufuniselela laphe bafuniselel khona bonyana ngisiphi isimumathi esiphatha okunengi begodu bahtolele imiphumela ukubona bonyana ngubani ophumelelako. (utijhere uyatjho bonyana izinto ezithayako ngeze zaba nomthelelela ekuphakameni kwamanzi). 	<p>Amanzi (nesikhathi sokudlala ngamanzi) nesanda (ngesikhathi sokudlala ngesanda emgodini wesanda) iindawo ezilungile zokuthuthukisa umthamo.</p> <p>Ingoma yenomboro nemidunduzelo</p> <p>Iimumathi zemihlobohlobo zobujamo nobukhulu obuhlukeneko</p>	<p>Amalanga ama 2</p> <p>Nofana ukhetho imisejenzana emibili nofana emithathu kuphela</p>
		<p>Ikopi</p> <p>Ikopi</p> <p>Ireyisi</p> <p>Iimbhontjisi</p> <p>Amathunga wobukhulu obuhlukehlukeno wangemgodini wesanda.</p> <p>Iimumathi zemihlobohlobo zobujamo nobukhulu obuhlukeneko</p> <p>Amanzi</p> <p>Isanda</p> <p>Izinto ezinjengamatjama , amabhlogo wamaLego, amabhlogo wamaplastiki</p>	



Iveke 28 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)			
Iinhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<p>• Ukuqinisa ilwazi elifunyenweko elifaka hlangana inomboroli-7</p> <p>Komlomo: Bala izinto zangamalanga ukufika ku-7.</p> <p>Bala uye phambili nasemva ukufika kweye 7.</p> <p>Ukuqinisa umqondo “wokunengi nokumbadlwana”.</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho imahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi 7.</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"> - Abafundi ababili babazelwa phambili. Abanye abafundi bayababala. Abafundi ababili abaphambili baphakamisa itshwayo lenomboro elikhambisanako. - Ubiza omunye godu umfundi aye phambili. Abanye abafundi bayababala. Umfundi munye phambili uphakamisa itshwayo lenomboro elikhambisanako eliyinomboro yesi 3. - Ragela phambili kuze kube bafundi abali 7 phambili. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka amakorikoti ngereyi isib. 	<p>Imiduduzelo yeenomboro neengoma</p> <p>Amakrada weishwayo lenomboro afaka hlangana iinomboro yoku 1 ukufika kweye 7</p> <p>Amabhlege ali-7 ananyatheliswe ngetshwayo lenomboro limbewu nofana amatje</p> <p>Amakhrayoni nebhigiri</p>	Ilanga li 1
	<p>1 2 3 4 5 6 7</p> <ul style="list-style-type: none"> - Abafundi abafake imbewu/ilitje linye ebhlegeni lokuthoma, imbewu ezimbili/amatje amabali ebhlegeni lwesibili, imbewu ezintathu ebhlegeni lesithathu, begodu uragele phambili ukufikela lapho ibhlege linani leembewu/amatje njengombana kutjengisiwe ngaphandle kwebhlege. - Thatha idlanzana lamakhrayoni (hlangana kwe 10 ne 15) ulifake ekopini. Bawa abafundi bonyana bafunisele bona mangaki angekopini. Cocisanani ngeempendulo zabo. - Batjengisa bona zibalwa bunjani ngokukhupha ngayinye bazibeke ngereyi. 		



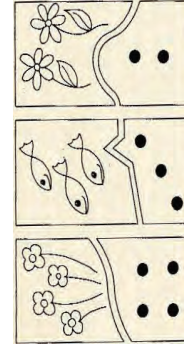
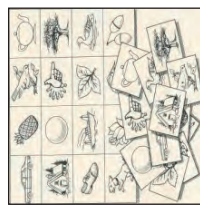
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linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.3 Amatshwayo weenomboro namabizo weenomboro</p>	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Ukukhumbula itshwayo lenomboro negama lenomboro efaka hiangana inomboro ye 7 Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Diala umdlalo: <ul style="list-style-type: none"> - Abafundi bahlala benze iindulungu. Beka ikarada yenomboro liqale phasi phambi komunye nomunye umfundi. (kungaba itshwayo lenomboro, igama lenomboro, ikarada leqatjhazi nofana ikarada lesithombe efaka hiangana iinomboro ukusuka kwa 1 ukuya kweye 7) - Fundisa abafundi ukudlulisela ikarada emfundini olandelako ngokuwatjhelelisa aqale phasi eflurini/emadeni. - Abafundi bayavuma: inomboro eyifihlo”, inomboro eyifihlo,kungaba yini? Iza ngihlole” - Abafundi bahlala amakarada wabo. - Utijjhere uphakamisa ikarada lakhe lenomboro. - Abafundi abanekarada elifana ne karada lakatijhere, baphakamisela ikarada katijhere phezulu begodu bajjho bonyana: “ngizokuphakamisela ikarada lami phezulu, ukuze woke umuntu alibone”. 	<p>linsetjenziswa eziphakanyisiweko</p> <p>Ilanga li 1</p> 	<p>Ilanga li 1</p>
<p>3.2 Izinto ezibusontathu (3-D)</p>	<p>Ukwakha izinto zakasobathathu (3-D) usebenzisa imethiriyali ephathekako</p> <ul style="list-style-type: none"> • Kopa umakhiwo emtlameni nofana ikarada yesithombe Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) <ul style="list-style-type: none"> - Umfundi wakha umakhiwo lowo ofanako ukusuka ematlameni nofana esithombeni. - Kopa umtlammo ofanako esithombeni usebenzisa iphegibhodi. Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Dlulisela umsebenzi lo ebukghwarini bokubona. <ul style="list-style-type: none"> - Nikela umfundi ngamunye iphepha nemihloboho yeendulungu ezikulu nezincani, aboncantathu neenkwere. Vumela abafundi bonyana ba: <ul style="list-style-type: none"> - Qunta ubujamo wakhe umakhiwo obusobubili (2-D) ephepheni begodu ubunamathisele. - Rhabisa isithombe ngemigwalo. 	<p>“Amajamo weLogi” amabhlogo wekghono “Amabhlogo wobuchopho” nofana ngiziphi izinto zokwakha iphegibhodi. Ezinye nezinye iintabagelo zokwakha. Iphegibhodi</p> <p>Imihloboho yeendulungu ezikulu nezincani, aboncantathu neskwere ephepheni linkero, isinamathelisi</p>	<p>Ilanga li 1 nokuragela phambili</p>

Iveke 28	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)		
linhloko	Amanothi atladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>3.4</p> <p>Isimethri</p>	<p>Amanothi atladlululako</p> <ul style="list-style-type: none"> • Thuthukisa ikghono lokweqa umuda ophakathi wangaphakathi Okuphathelene nokusikinyeka komzimba <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Buyekeza ilwazi langaphambili elifunyenweko; thinta iingcinye zomzimba ezihlukeneko ngelayelo. Dlala umdlalo othi " uSimon uthi: thinta i" - Nikela iinyalelo eziya phambili lapho abafundi nabeqa umuda wabo ophakathi njengokuthi: thinta idolo lakho ngepumulo. Thinta ihlombe lakho ngendlebe. Thinta idolo lakho langesinceleni ngenyawo langesidlani. Thinta indolwana yakho ngesandla sakho njll. <p>Sebenzisa izinto zakasobathathu (3-D) eziphathekako</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Gwala indulungu ezikulu etjhogibhodini. - Gwala umuda onqophileko etjhogibhodini. Yenza isiqiniseko sokobana umfundi weqa umuda wakhe ophakathi. - Etjhogibhodini gwala umuda ukusuka eqajhazini linye ukuya kelinye elikude. - Gwala umgwalo othabaleleko wobunane etjhogibhodini. Sebenzisa imikhambo emikhulu ukuqinisekisa bonyana umfundi weqa umuda wakhe ophakathi. <p>(umfundi usebenzisa izandla zombili sesincele nesokudla).</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlanganisa nobuKghwari Bokubona</p> <p>Vumela abafundi bonyan ba:</p> <ul style="list-style-type: none"> - Pende iphepha elikabili lephephandaba ukusuka esinceleni ukuya esidlani. 	<p>Umdlalo: "USimon uthi, ithinta I"</p>	<p>Ukukhumbula umuda wesimethri kuwe nasebhudulu-kweni</p> <ul style="list-style-type: none"> - Ukweqela ngale komuda ophakathi <p>Abafundi bagwala etjhogibhodini</p>  <p>Umfundi ngamunye unikelwa iphepha elikabili lephephandaba.</p> <p>Ipende nebhrajhi</p>


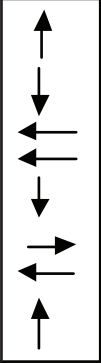
Iveke 28	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
Iinhloko	Amanothi atladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>4.3 Ubungako/ Ubudisi</p>	<p>Ukumadlanisa nokuhiela izinto eziphathekako usebenzisa ilwazimagama elifaneleko ukuhlathulula bonyana:</p> <ul style="list-style-type: none"> - ubudisi isib. Okulula, okubudisi, okulula khulu, okubudisi khulu • Yethula umqondo wobungako <p>Ukumeda ubudisi/imasi kutjho ukuthola bonyana into inobudisi obungangani.</p> <p>Okuphathelele nokusikinyeka komzimba</p> <p>Abafundi abafunisele ubudisi/imasi ye/ bezinto:</p> <ul style="list-style-type: none"> - Bamba izinto ezilandelako, yinye ngesandleni esinye nesinye ukukghona ukufunisele bonyana ngiyiphi ebudisi khulu nofana elula khulu isib. <ul style="list-style-type: none"> o Ilije nebhlogo lokwakha. o Ikoloyi yokudlala yeplastiki nekoloyi yokudla yesimbi. o Ibhlege lekofi nephepha langendlwaneni. o Ibhlogo ekulu yeraba nebhlogo lekhrikhethe. <p>Esikhathini esinengi abafundi bajaja into ekulu njengebudisi lokha nabababawa bonyana bafunisele ubudisi bezinto ezimbili.</p> <ul style="list-style-type: none"> - Ukuthula isikali sokudzimelela isib. Kala izinto ukubona bonyana ngibaphi abafundi abagade balungile. - Buza imibuzo enjengokuthi: “Ngiyiphi into ebudisana /eludlana?” Abafundi abathole into ngetlasini abacabanga bonyana ibudisana/iludlana kunezinto abazikalileko. - Yenza isikali sokudzimelela sibe khona ngesikhathi sokudlala okutjhapfulukileko ukwenzela bona abafundi baragele phambili ngomsebenzi wokukala. - Beka isikali sokudzimelela “ehugwini yendlu” ukwenzelabona abafundi babone bonyana mabhlogo amangaki weLego akala ngokulinganako bne -apula, isibonelo, 	<p>Izinto ezibusontathu (3D) zobudisi nobukhulu obuhlukeneko isib. Amabhlogo weLego, amathoyisi, amabhlogo wokwakha, amabhlege, iimumathi njll.</p> <p>Isikali sokudzimelela Ungenza isikali esilula:</p> <ul style="list-style-type: none"> - Uzothoga ihanghere yembaji yeplastiki, - Iimumathi ezimbili ezincani ezirondo nofana amabhodlela weenselo ezimakhaza neentambo. - Vula imigojana emibili iqalane emabhodlelweni wesiselo esimakhaza. - Lengisa iimumathi/amabhodlela emkhawulweni yomibili yehangere – uzakuba nesikali. - Phanyeka ihangere espikirini nofana ehugwini begodu abafundi bangathoma bakale – - Bonisa abafundi bonyana ihangere kufuze ithome ngokudzimelela esikhathini ngasinye sokuthoma ukukala. 	<p>Ilanga li 1</p> <p>Khetha umsetjenzana munye nofana emibili kuphela</p>



Iveke 29 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
1.1 Ukubala izinto	<p>Ukuqinisa ilwazi elifunyenweko elifaka hlangana inomboro ku-1 ukuya kweye 7</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-7. Ukubala uye phambili begodu uye emuva ukufika li-7. Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Qinisa umqondo waka “nengi nambadlwana” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi bonyana ba: - Buthelela amaqwatjhi. Wabeke ngetlasini ukuzowasebenzisa godu. - Sebenzisa amaqwatjhi wakho isib. Ukutlola itshwayo lenomboro ku-5.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>nofana</p> </div> <div style="text-align: center;">  <p>njli.</p> </div> </div>	<p>Imidunduzelo yeenomboro neengoma</p>	<p>llanga li 1</p>
	<p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> • Sebenzisa isede yakho yama fletjhi karada afaka hlangana inomboro ku-1 ukuya enomborweni ye-7. • Gwala inani lezinto ngeenyalelo zakatijhere isib.gwala iindulungu ezi-2. • Bala uye phambili ukusuka enomborweni onikelwe yona isib. Utijhere utjho inomboro kutathu. Umfundi uzokubala aye phambili kune, kuhlanu, sithandathu. • Ngesikhathi seenqabuli utijhere uzabuza bonyana: “Bafundi abangaki abaneembedlezwana zobrotho obunzima? Bangaki abaneembedlezwana zoburotho obumhlophe? Ngabe abantwana abanengi baneembedlezwana zoburotho obumhlophe? Ngibuphi obunengi/obuncani?” • Utijhere ubeka izinto ngewobhu phezu kwetafula. Abafundi abalinganise bona zingaki izinto ewobhini.Zibale emva kwalokho. 	<p>Amaqwatjhi</p> <p>Isithombe namaletjhi karada anamaqatjhazi afaka hlangana inomboro yoky 1 ukuya kweye 7</p> <p>Itshwayi lenomboro negama lenomboro efaka hlangana inomboro ezisuka kwe 1 ukuya enomborweni ye 7 isib.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Isithombe esinezinto ezili 7</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">7</div> <div style="border: 1px solid black; padding: 2px;">ikhomba</div> </div>	<p>Iphepha nekhrayoni</p>

<p>Iveke 29</p>	<p>Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)</p>		<p>Ukulinganisa ubude besikhathi Ilanga li 1</p>
<p>linhloko</p>	<p>Amanothi athladlululako</p> <p>• Ukukhumbula itshwayo lenomboro negama lenomboro efaka hiangana iinomboro yoku 1 ukuya kweye 7 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7. Ukubala uye phambili begodu uye emuva ukufika li-7. Qinisa umqondo waka “nengi nambadlwana” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi 7. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Beka amakarada wetswayo lenomboro amakhulu magesa netlasi nofana endaweni yangaphandle yokudlalela. - Biza indawo “Iphasi lenomboro” begodu abafundi ba “MaKhosi weeNomboro begodu/nofana iKosazana yeeNomboro” Beka umqhele ehlokweni yomunye nomunye umfundi eyenziwe ngekhabhoksi, ngeenomboro ezitlolwe zabonakala kiyo. - Nikela abafundi iinyalelo njengokuthi: <ul style="list-style-type: none"> o Abantwana boke abambathe okubomvu abeqe baye ku 2. o Boke abantwana abeneenhluthu ezide, khamba ngamazonzwani niyokufika enomborweni yesi 6. 	<p>linsetjenziswa eziphakanyisiweko</p> <p>lingoma zenomboro nemidunduzelo</p> <p>3 5 2</p> <p>Amakarada amakhulu wamatshwayo weenomboro</p> <p>Inani elaneleko lemiqhele yeenomboro lomfundi nomfundi elenziwe ngekhabhoksi elitlolwe iinomboro.</p>  <p>Iphepha nekhrayoni</p> <p>Ngaphezu kwesede yinye yamakarada weenomboro ezifaka hiangana iinomboro ukusuka kweyo 1 ukuya kweye 7 isib</p> 	
<p>1.3 Amatshwayo weenomboro namabizo weenomboro</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Gwala inani lamaqatjhazi 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. - <i>Isiphakamiso:</i> Bandakanya abafundi ekwenzeni amakarada wabo. - Dlala imidlalo yokumadanisa ngamafetjhi karada wetswayo lenomboro nawegama lenomboro.  		

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalo ngeveke)		
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>• Ukurarulula imiraro yokuhlanganisa nokukhupha ekhulunywe ngomlomo neensombululo ezifika kuli-7.</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li- 7.</p> <p>Ukubala uye phambili begodu uye emuva ukufika li-7.</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla asi 7.</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"> - Qala iimveke 24 no 27 ukuthola umbono - Sebenzisa ilwazi lakho ukuvumela abafundi balemuke ihlathululo lenomboro ye 7 ngokuphathekako basebenzise ukusikinyeka kwemizimba yabo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Qala iimveke 24 no 7 ukuthola umbono - Sebenzisa ilwazi lakho ukuvumela abafundi balemuke ihlathululo lenomboro ye 7 ngokusebenzisa izinto ezibusontathu eziphathekako. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Izinto zokubala</p>	<p>Ilanga li 1</p>

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)		
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>3.1 Ubujamo, ukujayeza nokubukela</p>	<p>Amanothi athladlululako</p> <ul style="list-style-type: none"> • Landela ikombatjhuba ukhambe nofana uzibeke endaweni ethize (ikombatjhuba) Ukuthuthukisa umuzwa wekombatjhuba ngokusebenzisa abotjhoi bamafleji karada begodu bnejhadi labotjhoi. <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi ukukhamba batjhingwe emahlangothini ahlukeneko:</p> <ul style="list-style-type: none"> - emnyango - efesidereni - ehugwaneni yeencwadi njll. <p>Ukusebenzisa izinto eziphathekeko ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Gwale ubujamo obuthabaleleko benomboro bunane ejhagibhodini. Qinisekisa bonyana abafundi beqa umuda wabo ophakathi wangaphakathi isib. 	<p>Ijhagibhodi</p>	<p>Ilanga li 1</p>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi ngayedwana nofana ngeenqhema ezincani ba:</p> <ul style="list-style-type: none"> - Hlale baqale ifleji karada begodu bakhambise umkhono wabo utjhingwe laphe ikombatjhuba iqale ngakhona begodu akhulume lokha nawenzako isib. Lokha umfundi nakakhupha umkhono wakhe, kufuze atjho bonyana “ngesidleni”. - Amakhambo wokuya phasi naphezulu umfundi angasebenzisa nofana ngimuphi umkhono. - Tjengisa ikombatjhuba etjhadini labotjhoi. - Namathisela umthala weenyawo ekombatjhubeni yokuya emnyango. <p>Itheminojji / amagama azokusetjenziswa:</p> <p>Phezulu/phasi; phakathi/ ngaphandle; phezulu/phasi; phambili/emva; ngaphambili/ngemva; ngaphezulu/ngaphansi nofana phezulu/phasi/ngaphasi;</p> <p>Ihlangothi linye/ihlangothi elinye; eqadi kwa; esinceleni/esidleni</p>	<p>Ifleji karada elinejhoi linye. Jikisa ifleji karada liqale eenkombatjhubeni ezihlukeneko.</p> <p>Ijhadini labotjhoi (iphosta enabotjhoi abaqale emahlangothini ahlukeneko))</p> 	

Iveke 29	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliwekookhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemballo ngeveke)	
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko
<p>4.3 Ubungako/ Ubudisi</p>	<p>Ukuqinisa ilwazi elifunyenwe evekeni yama 28 efaka hlangana ubudisi elula khulu/ebudisi khulu</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Madanisa ubudisi beemumathi ezintathu ukuya kwezihlanu ezifanako (isib. Amabhlege angenalitho we 400g) aphephe amanani ahlukeneko wesanda, ukwenzela bona ubudisi bawo buhluka. - Abeke ngokulandelana ukusuka kwelilula khulu ukuya kwelibudisi khulu ngokuzwa ubudisi. Emva kwalokho isikali sokudzimelela singasetjenziswa ukutjho bonyana abafundi bebagade baqinisile nofana awa. - <i>Isiphakamiso:</i> Linga bona mawatjhere nofana iimpikiri ezingaki ezingafakwa esikalini bona sithole ubudisi obulinganako. Kungasetjenziswa ezinye nezinye izinto. <p>Utitjhere ubeka ama-athikili anobudisi obuhlukileko eemumathini ezivalekileko ezifanako isib. limumathi zetjhuzi , sinye siphethe ibhlogo esinye siphethe ibholo yetenese.</p> <p>Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Bezwe umehluko hlangana kobudisi bezinto ezimbili begodu bafunisele bonyana ngiyiphi elula khulu nofana ebudisi khulu. - Sebenzisa isikali sokudzimelela ukufika ependulweni ekungjyo. - Tjnjijila abafundi ukuthola izinto ngetlasini ezinobudisi obufanako. <p>Umgozi 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 nabakhuluma, bacocisanako begodu nabahlathululako.</p>	<p>Ilanga li 1</p> <p>Amabhlege angenalitho wobukhulu obufanako</p> <p>Isikali sokudzimelela</p> <p>Izinto ezinjengamabhlogo weLego</p> <p>Izinto ezinobudisi obuhlukeneko njenganawatjhere nofana iimpikiri limumathi ezimbili zetjhuzi yekhotheji; yinye enebhlogo nayinye enebhlogo yetenese.</p> <p>Umgozi wesanda</p> <p>Isikotlolelo samanzi sokudlala, isimumathi nofana ithrafu</p>

Iveke 30	Sebenzisa iimveke ezili 30 ukutjheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko.
Okumumethweko	Isihloko
Iinomboro, ama-Opharejthini Nobudlelwana	Isilinganiso sokuhlola
	Linganisa begodu ubale ngokungakahaheleki kufika ku li- 7 (lingoma zeenomboro nemidunduzelo ifakwe hiangana ukuthukisa umqondo weenomboro)
	Bala uye emuva naphambili (1- 7)
	Ukwazi bona ngiliphi ihlandlha lokuwahla elinengi/elimbalwa
	Ukukhumbula iinomboro endaweni ejayelekileko isib. Unyaka, iregista (hlola godu)
	Ukubona iinthombe zeenomboro namakarada wamaqatjhazi ukufika enomborweni ye 7.
	Ukwazi amatshwayo weenomboro 5, 6, 7
	Ukukhumbula amabizo weenomboro kuhlanu, sithandathu, likhomba.
	Ukuhlukanisa phakathi kwaka kunengi, kuncani begodu kuyalingana, okunengi nokuyidlanzana ukufika ku li - 7
	Ukukhumbula umbala begodu neenlwana ezihlukehlukeneko ezisemalini yephepha ye Sewula Afrika.
	Ukusebenzisa izinto eziphathekako
	Ukuhlathulula ukucabanga kwakhe ngamagama begodu nangokugwala nofana izinto eziphathekako.
	Ukusombulula imiraro yokuhlanganisa nokukhupha ngehloko ukufika ku ku - 7
Amaphetheni, amaFanktjhini & Aljibra	Amakghono wokurarulula Imiraro
	1.6
	Ukuhlangukisa nokususa/ Ukukhupha.
	1.7 & 1.13
	2.1
	Amaphethini weJyomethri
	3.1
	Ubujamo, ukuzijayeza nokubukela
	3.2
	Izinto ezibusobuntathu (3-D)
	3.3
	Ubujamo obubusobubili (2-D)
	4.2
	Ubude
	4.3
	Ubudisi /Ubungako/imasi
	4.4
	Umthamo/ivolumu
Ukumeda	
	Ukupulula , ukwengezelela nokwakha amaphetheni wakho usebenzise iinthombe
	Ukwazi ubujamo bezinto ezimbili nofana ngaphezulu mayelana nenye kwenye - Ngaphambi kwe, ngemva, phezu kwe, phezu, ngaphasi, eduze ne, phakathi, ngesinceleni, ngesidleni
	Ukukhupha iinlayelo ngephegibhodi
	Ukwazi ikombatjhuba etjhadini labotjhoobi.
	Ukwakha ususela esibonelweni sokwakha esinikelweko.
	Ukupulula umakhiwo kusukela emtamweni nofana esithombeni nofana ekaradeni lesithombe
	Ukwakha okungaseani iphazeli yeentokana ezili-18.
	Ukukhumbula, ukubona nokutjho isikwere.
	Ukuzwisisa ukungatjhunguluki kobujamo obufundiweko ukufikela ngalesisikhathi (ukubulunga ubujamo)
	Ukulinganisa begodu nokumeda ubude bezinto ezihlukehlukeneko.
	Ukuzwisisa imiqondo ethi "kulu, kubudisi;kuludlana, okubudisana; okubulula khulu,okubudisi khulu"
	Ukuzwisisa umqondo othi "okunganalitho,okuzeleko , okunengi kuna, okuncani kuna"

Ukuphatha Idatha	5.1 Ukubuthelela nokuhlela izinto	Kghona ukubuthelela, ukuhlela ngamananeko ukugwala, ukufunda nokujamisela, (tsenga) izinto ukuya ngakhunye okuphawulekako .
	5.2 Ukujamisela ibuthelelo lezinto ezihleliweko	
	5.3 Ukucocisana nokuletha umbiko ngezinto ezisebuthelelweni elihleliweko.	

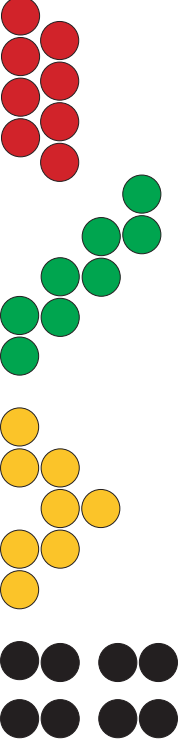
TERM 4 MATHEMATICS GRADE R

Iveke yama-31


Isikhathi sokuthintana esiphakanyisiweko:

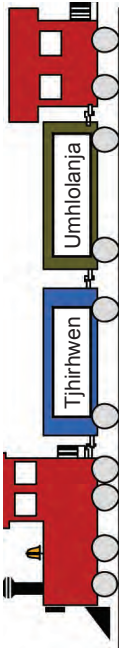
Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)

linhloko	Amanothi athladlhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi.									
<p>1.1</p> <p>Ukubala izinto</p>	<p>• Ukwethulwa kwehlahlululo yenomboro yobu-</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8.</p> <p>Ukubala uye phambili begodu uye emuva ukufika bu-8.</p> <p>Ukubala okungakahleleki ukusuka ku 1-10.</p> <p>Ukwaziza/ ukwethula ukubala ngakubili kusetjenziswa umndunduzelo.</p> <p>Ukuqinisekisa ukubala ngeenomboro sikhundla.</p> <p>Utijhere upaka izinto ezi-4 ngereyi. Ukhomba enye nenye into ngesikhathi abala <i>kokuthoma, kwesibili, kwesithathu, kwesine.</i></p> <p>Ukuqinisekisa umqondo “wokunengi nowokumbadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla abu-8.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemidunduzelo yeenomboro.</p> <p><i>Kubili, kune, sithandathu, bunane.,</i></p> <p><i>Indoda yinye ehegeni.</i></p> <p><i>Uthi uladelwe khulu;</i></p> <p><i>Kubili, kune, sithandathu, bunane</i></p>	<p>Ilanga li-1</p>									
	<p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Babale amagadango abunane ngesikhathi bakhambakhamba ngeklasini. - Bonisa imino ebunane. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Basebenzisa ileri yenomboro elele phasi (ethabaleleko) - Qinisekisa bonyana abafundi ngasosoke isikhathi bathoma ku-0 (lize) - Ukubona amatshwayo wenomboro ngesikhathi bakhamba phezu kwenambalayini. - Khamba phezulu kwengcinye enye nenye ngesikhathi kubalwa ngegido. 	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">0</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">8</td> </tr> </table> <p>Isede yamaflethihikarada wamatshwayo weenomboro ukusuka keyo-1 ukufika keye-8</p>	0	1	2	3	4	5	6	7	8	
0	1	2	3	4	5	6	7	8				

Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)		
linhloko	Amanothi athladlhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi.
<p>1.3</p> <p>Amatshwayo weenomboro namabizo weenomboro</p>	<p>Amanothi athladlhulako</p> <ul style="list-style-type: none"> • Ukukhumbula amatshwayo weenomboro namagama weenomboro Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi: <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 lobunjalo benomboro ngokungatjhuquluki nanyana ibekwe ngayiphi indlela, ngokuvumela abafundi bonayana bapake izinto zokubala ezibunane nga nanyana ngiziphi iindlela ezihlukehukeneko isib 	<p>Isede yezinto ezi-8 ngetlasini Izinto namkha izinto zokubala.</p> <p>Izinto zokubala ezi-8 namkha izinto ezi-8</p> <p>Ifeitjharada yetshwayo lenomboro negama lenomboro, amaqatjhazi neenthombe. isib:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Isithombe sezinto ezi-8</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">8</div> <div style="border: 1px solid black; padding: 2px;">Bunane</div> </div> <p>Amakhrayoni Izinto zokubala.</p>	<p>Ilanga li-1</p>
	 <p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonelo:</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezi-8 amapensela abu-8 amawupsi abu-8 abafundi ababu-8 njll. - Kubale ngeendlela zehlelo elihlukileko isib, zibale zirhatjhekile, zihlalelene, zisemudeni nofana ngehobhu. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukudlala umdlalo ngokuhlobanisa inani lezinto zokubala negama lenomboro, itshwayo lenomboro amaqatjhazi begodu namakarada wesithombe afaka hlangana inomboro yobu-8. - Ukugadangisa inomboro yobu-8 ngekhrayoni. 		

Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi.
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako
<p>1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>• Ukusebenzisa inomboro bu-8 ebujameni obujayelekileko Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukuqinisa ukubala ngakubili kusetjenziswa umdlunduzelo wenomboro. Ukuqinisekisa umqondo “wokunengi” na “mbadlwana” . Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla amadlwana. Utijhere uwahla izandla zakhe amahlandla abu-8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemidunduzelo yeenomboro</p> <p>llanga li-1</p>
	<p>Okuphathelene nokusikinyeka komzimba. Vumela abafundi: - Kwenza inomboro yobu-8 ngemino yabo. - Babumbe/ bakhe inomboro ngeentokana zentambo nofana nderhe yokudlala. - Ukutlola amashwayo wenomboro ngethreyini yesanda. - Beka amakarada wetshtwayo lenomboro amakhulu phasi ngokulandelana ukufika kwelobu-8.</p>	<p>Intambo/lwulu namkha nderhe yokudlala. Ithreyi enesanda</p> <p>Isede yamakarada amakhulu wamatshtwayo weenomboro.</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Utijhere unikela umfundi ngamunye iimbhontjisi ezi-8 neflejtjiharada elinamaqatjhazi abu-8 phezu kwalo. Vumela abafundi: - Bapake ibhontjisi phezu keliyane iqatjhazi leflejtjiharada. - Bala iimbhontjisi. - Hlobanisa flejtjiharada lamaqatjhazi neflejtjiharada legama lenomboro nezinto zokubala.</p>	<p>Amabhontjisi abu-8 umfundi ngamunye. Iflejtjiharada yeqatjhazi.igama leflejtjiharada nezinto zokubala.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">Setshwantsho sa dintho tse 8</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Bunane</div> </div>

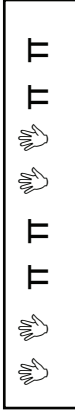

Iveke yama-31	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi.
Iinhloko	Amanothi athladhulako	Iinsetjenziswa ezinyulwako
<p>3.3 Ubuujamo obubusobubili (2-D)</p>	<p>Ukukhumbula, ukubona begodu nokunikela igama lezinto zobujamo obusobubili ngeklasini kunye neenthombeni.</p> <ul style="list-style-type: none"> - uncamane • Ukwethula uncamane. <p>Okuphathelene 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 zewulu nofana iderhe yokudlala. - Khambe magesa nobujamo bakancamane. Ngesikhathi abafundi nabakhambako bathi “Ngikhamba magesa nancamane-ihlangothi linye elide, ihlangothi linye elifijhani, elinye godu ihlangothi elide, nelinye godu ihlangothi elifijhani. - Thinta ubujamo. Sebenzisa ubujamo obukhulu nofana faka amabumbeko wobujamo ahlukenekene emgodleni ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini(isikhwama setjhila esinerege phezu) Yiba namakarada wamasede ametjha nobujamo obugwale phezu kwawo. Umfundi “uthinta”ubujamo obungesikhwameni begodu abumetjise namakarada. - Gwala ubujamo bakancamane emoyeni, phasi/eflurwini (ngetjhogo) begodu ekugcineni ephepheni . 	<p>Ilanga li-1</p> <p>Imidlalo yamakarada athuthukisa ukubona amajamo.</p> <p>Iwulu namkha iderhe yokudlala.</p> <p>umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini(isikhwama setjhila esinerege phezu) onamajamo ahlukeneko wejyometri.</p> <p>Ukukhambelanisa isede yamakarada enamajamo agwalwe phezu kwawo.</p> <p>Iphepha le-A4 namakhrayoni.</p>
<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bafune izinto ezinguncamane ezingetlasini.</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (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 abusobubili ukuya ngesayizi, umbala, nobujamo</p> <ul style="list-style-type: none"> - Hlela izinto ezibuthelileleko ngokuya ngamasayizi, umbala, begodu nobujamo. 	<p>Izinto eziboncamane ngetlasini.</p> <p>Woke amajamo afundiweko ukufika gadesi.</p> <p>Iinthombe ezihlukeneko ezinamajamo kizo.</p> 	




Iveke yama-31 Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi.																																			
<p>linhloko</p> <p>5.1 Ukubuthelela nokuhlela izinto ngemihlobo</p>	<p>linsetjenziswa ezinyulwako</p> <p>Isilinganiso sesikhathi.</p> <p>Itjhadi lamalanga wamabeletho.</p> 																																			
<p>5.2 Ukujamiselela ibuthelelo lezinto elihlelekileko</p>	<p>Amanothi athladlhulako</p> <p>• Ukuqinisa umqondo wokuphatha idathangokubuthelela izinto ngetlasini namkha ebhodulukweni ukuya ngamatshwayo abekiweko. Isibonelo Amalanga wamabeletho wabafundi.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Buthelela begodu uhlele idatha</p> <ul style="list-style-type: none"> - Ngokusebenzisa itjhadi lamalanga wamabeletho, thola bona malanga wabobani wamabeletho angayiphi inyanga. - Abafundi barhelelha ngokwenza igrafu ukubona bonyana kungayiphi inyanga yomnyaka lapha kwaba namalanga wamabeletho amanengi khulu. - Utijhere ugwala igrafu yeenyanga ezi-12 zonyaka. - Ngerhelelho lakatijhere, abafundi babeka/baploka igrafu ngokuya ngesikhundla senye senye inyanga yamabeletho yomunye nomunye umfundi. <table border="1"> <thead> <tr> <th>Tjh</th> <th>Mhl</th> <th>Nt</th> <th>Sihlab</th> <th>Mirh</th> <th>Jun</th> <th>Vhl</th> </tr> </thead> <tbody> <tr> <td>Sipho</td> <td>David</td> <td></td> <td>Neison</td> <td>Kabelo</td> <td>Selina</td> <td>Thabo</td> </tr> <tr> <td>Martha</td> <td>Bongi</td> <td></td> <td>Jacob</td> <td>Pat</td> <td>Liz</td> <td>Jane</td> </tr> <tr> <td>Helen</td> <td>Claire</td> <td></td> <td>Tim</td> <td>Thandi</td> <td>Titus</td> <td></td> </tr> <tr> <td>Dolly</td> <td></td> <td>0</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> </tr> </tbody> </table> <ul style="list-style-type: none"> - Abafundi babala amagama begodu bebatole inani lamalanga wamabeletho ngaphasi kwenye senye inyanga. - Abafundi bamadanisa inomboro yamalanga wamabeletho eenyangeneni ezihlukehlukeneko. Utijhere ubuza imibuzo efana nale: <ul style="list-style-type: none"> - Ngijiphi inyanga enamalanga wamabeletho amanengi khulu kunamanye? - Ngijiphi inyanga enamalanga wamabeletho ambadlwana khulu?" - Ngiziphi inyanga ezinamalanga wamabeletho alinganako. - Ngijiphi inyanga enabesana abanengi abagidinga amalanga wabo wamabeletho. - Ngijiphi inyanga enabantzana abanengi abagidinga amalanga wabo wamabeletho. <p>Abafundi bacoca ngeemphetho ezilandelako:</p> <ul style="list-style-type: none"> - UTjhirhweni unamalanga wamabeletho amanengi. Abafundi abane bagidinga amalanga wabo wamabeletho ngoTjhirhweni. - Alikho ilanga lamabeletho eligidingiweko ngoNtaka. Kunenyanga yi-1 kwaphela lapho kungagidingwa khona ilanga lamabeletho. - Ezinye iinyanga zinenani elilinganako lamalanga wamabeletho njli. Ngiziphi iinyanga lezo? <p>Ikarada elinamabizo wabafundi phezukwalo.</p> <p>Gwala amakhoholomu ali-12 phezu komtletle omkhulu wephepha. Tjengisa ngegama lekarada bona kungaziphi iinyanga lapho abafundi bagidinga khona amalanga wamabeletho. Sebenzisa ± 3 amaphepha wokhulu be A 2 anamakhoholomu ali-12 agwalwe phezu kwawo.</p>	Tjh	Mhl	Nt	Sihlab	Mirh	Jun	Vhl	Sipho	David		Neison	Kabelo	Selina	Thabo	Martha	Bongi		Jacob	Pat	Liz	Jane	Helen	Claire		Tim	Thandi	Titus		Dolly		0	3	3	3	2
Tjh	Mhl	Nt	Sihlab	Mirh	Jun	Vhl																														
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<p>5.3 Coca bewubike ngokuhlelwa kwezinto ezibutheleleweko</p>	<p>Itjhadi lamalanga wamabeletho.</p> <p>Ikarada elinamabizo wabafundi phezukwalo.</p> <p>Gwala amakhoholomu ali-12 phezu komtletle omkhulu wephepha. Tjengisa ngegama lekarada bona kungaziphi iinyanga lapho abafundi bagidinga khona amalanga wamabeletho. Sebenzisa ± 3 amaphepha wokhulu be A 2 anamakhoholomu ali-12 agwalwe phezu kwawo.</p>																																			

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemibalo ngeveke)	Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	linsetjenziswa ezinyulwako.
1.1 Ukubala izinto	<ul style="list-style-type: none"> • Ukuqinisa ilwazi elifunyenwe evekeni yama 31 elifaka hlangana inomboro yobu-8. Zomlomo: Ukubala izinto zangamatanga ukufika enomborweni bu-8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukubala okungakahleleki ukusuka ku 1-10. Ukuqinisekisa ukubala ngakubili ngokusebenzisa imidunduzelo yeenomboro Ukuqinisekisa umqondo “wokunengi” na “mbadlwana” . Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla amadlwana. Utijhere uwahla izandla zakhe amahlandla abu-8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe kunengi /kuncani . 	llanga li-1
	<p>Okuphathelene nokusikinyeka komzimba Asidlaleni umdlalo.</p> <ul style="list-style-type: none"> - Utijhere udlala isibetho isib isigubhu. - Abafundi bayakhambakhamba. - Lokha isigubhu nasithulako, utijhere ubizela phezulu inomboro ehlangana neyoku -1 neyobu-8 begodu abafundi bazihlukanisa ngeenqhema ezincani isib;Utijhere ubizela phezulu inomboro yobu-8 begodu abafundi bazihlukanisa ngeenqhema ezinamalunga abu-8. - Khombisa imino ebu-8 ngezandla zakho zombili. - Yenza / yakha amasede ngabafundi.Gwala iindulungu ezikulu esandeni.Vumela abafundi bakhe iinqhema zamalunga abu-8 ngaphakathi kweendulungu. Iinqhema zabafundi abamalunga abu-8 bangezama eminye imisebenzi baboke ngoKukhamba kwelanga isib. ukudlala ekhoneni lamabhlogo; ukuya endaweni yobuKghwarini nokhunye. 	Isigubhu


Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Ilinsetjenziswa ezinyulwako.	Isilinganiso sesikhathi
linhloko 1.1 Ukubala izinto	<p style="text-align: center;">Amanothi athladlhulako</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Sebenzisa izinto zokubala ukubona bona ngiyiphi inomboro eza ngaphambi kweyo-8 begodu emva kweyesi-5? Ngiyiphi inomboro ehlangana neyesi-6 neyobu-8? - Bala izinto ngazimbili, (ngakubili): <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 nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Lokha utijhere nakathatha irejista yokuza esikolweni ubuza abafundi: "Ngabe umfundi ohlala enomborweni yendlu namkha esiphandeni..... ukhona la? Umfundi uzokuphendula ngokutjengisa ukuthi ukhona". - Buyelela ngelanga elilandelako ngokusebenzisa iinomboro zomtato namkha iinomboro zakamallidini. 	<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 ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi
Iinhloko	Amanothi athladhulako	Linsetjenziswa ezinyulwako.
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<p>• Ngokukhuluma kurarululwa imiraro yamagama (iimbalo zeendatjana)ezifaka hlangana inomboro bu-8</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere urhelelwa abafundi ukwenza iinqhema zabafundi zamalunga asi-6 begodu nesinye isiqhema sabafundi abamalunga ama-2. - Hlanganisa iinqhema ezimbili ukwenza isiqhema sinye. - Buza abafundi bona bangaki abafundi abasesiqhemeni esihlanganisiweko: isi-6 naku-2 → 8.(Utijhere uthi: 6 naku 2 kukunikela 8) - Buthelela abafundi ababu-8. Khupha abafundi aba-3 bbabe siqhema esincani. Banagaki abafundi abasele esiqhemeni esikhulu? Bu-8 khupha 3 → 5. - Khethe abafundi ababili ngokusebenzisa umdunduzelo wokubala.. - Beka amaqwatjhi ama-4 esandleni somfundi oyedwa begodu ubeke amaqwatjhi ama-4 ngakwesinye isandla somfundi. Mangaki amaqwatjhi nasele awoke? 4 hlanganisa na-4 → 8. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Nikela umfundi ngamunye amaqwatjhi abu-8.</p> <ul style="list-style-type: none"> - UTshidi unamaqwatjhi asi-6 begodu umnganakhe unamaqwatjhi ama-2..Mangangaki amaqwatjhi abanawo nasele awoke? Isi-6 hlanganisa naku-2 → 8. - UMonika unamaqwatjhi abu-8. Ulahlekelwa maqwatjhi amabili. Mangaki amaqwatjhi uMonika asele nawo? Bu-8 khupha ku-2 kwenza 6. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ubeka iinthombe ezimbili phezu kwebhorodo yeflaneli. Utijhere ungeza ngezinye iinthombe ezi-5. Zingaki iinthombe esele zilapho kwanje? Ku-2 uhlanganisa naku-5 → 7. - Beka amabumbeko abu-8 phezu kwebhorodo yeflaneli. Khupha ku-5. Zingaki eziseleko? 8 khupha 5 → 3. 	<p>Iinqhema zabafundi</p> <p>Amaqwatjhi</p> <p>Imidunduzelo yokubala</p> <p>Amaqwatjhi</p> <p>Imidunduzelo: 1, 2, 3, 4, 5</p> <p>Lokha nangibamba ifesi iphila.</p> <p>6, 7, 8, 9, 10</p> <p>Ngayilisa yakhamba.</p> <p>Amaqwatjhi</p> <p>Iinthombe/amajamo aphezu kweflaneli bhodi</p>

Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako.
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<p>Amanothi athladhulako</p> <ul style="list-style-type: none"> • Ukukupulula begodu ungezelele amaphetheni azwakalako. Okuphathelene nokusikinyeka komzimba. Abafundi basikinyeka ukulandela ibetho lomvumo ngemizimba yabo isib. <ul style="list-style-type: none"> - Gadanga, gadanga, yeqayeqa, yeqayeqa. - Yeqa ngenyawo linye, Yeqa ngenyawo linye, Yeqa ngenyawo linye. Yeqa ngenyawo ezimbili;yeqa Ngeenyawo ezimbili..... <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Hlanganisa nomvumo kwezobuKghwari Bokwenza emaKghonweni wePilo.</p> <p>Abafundi basikinyeka ukulandela ibetho lomvumo ngezandla zabo kwaphela begodu bakghwathe iinyonga zabo.isib:</p> <ul style="list-style-type: none"> - Wahla, wahla, thwahlaza, thwahlaza,(wahla izandla begodu ubethe izandla phezu kwamathanga.) - Utijhere wenza amakarada wegido begodu abafundi bayalibuyelela igido ngokuwahla izandla. (basebenzisa izandla ukuwahla begodu neenyawo ukugadanga.) isib: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">  </div> </div> <ul style="list-style-type: none"> - Wahla, wahla, gadanga, gadanga..... - Wahla, rhuwelela, Wahla, rhuwelela..... 	<p>Ilanga li-1</p> <p>Isidlali ma-CD Ngomvumo</p> <p>Igido elikhambelanako lomzimba.</p>

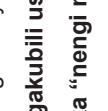
Iveke yama-32	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemballo ngeveke)	Isilinganiso sesikhathi
linhloko	Amanothi athladlhulako	linsetjenziswa ezinyulwako.
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Ukukhumbula , ukubona nokuhlathulula ubujamo baka (2-D) ngetlasini</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi lakancamane. <p>Okuphathelene nokusikinyeka komzimba.</p> <p>Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Yenza/bumba amajamo ngemizimba yenu isib: abafundi aba-4 babumbe uncamane ngemizimba yabo. - Babumbe uncamane ngemino yabo. - Babumbe uncamane ngokusebenzisa iinthoro zomililo ezisi-6.  <ul style="list-style-type: none"> - Yenza/bumba uncamane ngeentokana zewulu namkha ngederthe yokudlala. - Khamba ngemaqadi kwebunjo lakancamane. - Zwelela amajamo. Beka/ faka amajamo ahlukeneko ngaphakathi komgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini (isikhwama setjhila esinerege phezulu). Thola amakarada akhambelanako ngamajamo agwalwe phezu kwawo. Umfundi uzwelela amajamo angegodleni begodu amadanise ijamo nekarada. - Gwala ijamo lakancamane emoyeni, esandeni, ifluru/phasi begodu ekugcineni ephepheni. 	<p>Ikarada lemidlalo ethuthukisa ukubona amajamo.</p> <p>lingojwana zomililo.</p> <p>Iwula namkha iderthe yokudlala.</p> <p>umgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini (isikhwama setjhila esinerege phezulu)esinamajamo ahlukeneko wejyometri.</p>  <p>Faka amajamo amakhulu namancani begodu naboncantathu bama-engeli ahlukeneko angaphakathi komgodlana ophethe izinto okufanele umfundi afunisele ngokuzwa/ngokuthinta bonyana ubambe ini (isikhwama setjhila esinerege phezulu)isib.</p>  <p>Isede yamakarada akhambelana najamo agwaliweko phezu kwawo.</p> <p>Iphepha le-A4 begodu amakhrayoni.</p>

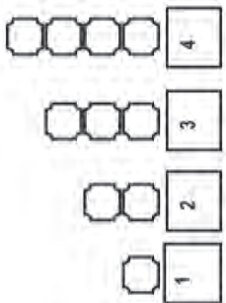
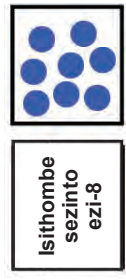
Iveke yama-32 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)			
linhloko	Amanothi athladlhulako	Iinsetjenziswa ezinyulwako.	Isilinganiso sesikhathi
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Yumela abafundi ukufuna izinto eziboncamane ngeklasini. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Diala umdlalo: Ngijiphi ejihodako?</p> <ul style="list-style-type: none"> - Beka inani lezinto zobujamo obubusobubili (ingasi zinengi kunamajamo ama-5) phezu kwesitokana sephepha phakathi komada isib. amajamo asuka “emdlalweni wamajamo weLogi”. - Cocisananani nabafundi ngejamo ngalinye. - Nikela abafundi ithuba lokukhumbula ngehloko umhlobo wamajamo asesitokaneni sephepha. - Abafundi bavala amehlo wabo. - Utijhere utijhidisa linye lamajamo. - Abafundi kufanele bavule amehla wabo begodu babone bona ngijiphi ijamo elijihodako. - Buyelela ikambiso. - Thuthukisa ituthuko yamajamo weJiyometri ngokunikela amakarada wemidlalo ahlukeneko afana “Yini engaphakathi kwesikwere?” namkha eminye imidlalo ekhona. 	<p>Izinto eziboncamane ngeklasini</p> <p>Amajamo ahlukeneko isib: ijamo lelogi.</p>	<p>Ilanga li-1</p>

Iveke yama-32 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke)	Amanothi athladhulako	Insetjenziswa ezinyulwako.	Isilinganiso sesikhathi
linhloko			Ilanga li-1
3.1 Ubujamo, ukujayeza nokubukela	<p>Ukuhlathulula ubujamo bezinto ezimbili nofana ngaphezulu ezibusobuthathu (3-D) mayelana nenye kwenyene . Okuphathelene nokusikinyeka komzimba Vumela abafundi uku:</p> <ul style="list-style-type: none"> - Jama hlangana nezinto ezimbili namkha abafundi ababili. - Jama eduze nomntazana ombethe irogo elihlaza kwesibhakabhaka. - Jama eduze nomsana ombethe amapatlagwana anzothono. - Khamba hlangana namabhoksi. - Khasa mazombe netafula. - Khasa ngaphasi kwesitulo. - Beka isitulo ngaphambi kwakho. - Beka isitulo ngemva kwakho. - Jama phezu kwesitulo sakho. - Hlala phasi eflurwini. - Beka isitulo phezu kwakho. - Beka isitulo hlanu kwakho. - Beka isitulo ehlangothini lakho langesinceleni/langakwesokudla. 	Iintulo ezimbili.	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Vumela abafundi bazalise amaphazeli ngeenthombe zabantu namkha iinlwana. - Phulela imincamo ukuya ngemiyalo enikelwa ngutijhere isib: phulela umncamo obovu. Faka umncamo ohlaza kotjani eduze nomncamo obovu. njli - Phulela imincamo ukuya ngesithombe sokulamanako esinikelweko. <p>Sebenza ngeenqhema ezincani. Utijhere unikela umfundi ngamunye iphegibhodi begodu namaphegi azele isandla. Nikela imiyalo etandelako:</p> <ul style="list-style-type: none"> - Faka amaphegi amabili abovu ekhoneni eliphezulu langesandleni sesincele. - Faka ipheksi elihlaza kotjani ngehlangothini langesokudla lephegi elibovu. - Faka iphegi elihlaza kwesibhakabhaka ngaphasi kwephegi elihlaza kotjani nokhunye. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Gwala abantu namkha iinlwana ezinganamikhono namkha imilenze begodu ubawe abafundi bazalise umgwalo. 	<p>Amaphazeli Imincamo ephulelwe. Iphegibhodi kunye namapheksi.</p> 	Iphepha lokusebenzela elinemigwalo.



Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeemalo ngeveke)		Ukulinganisa ubude besikhathi
Iinhloko	Amanothi athladlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.1 Ukubala izinto</p>	<p>• Ukuqinisa ilwazi elifunyenwe evekeni yama 31 begodu no 32 elifaka hlangana iinomboro 1 ukuya kubu-8. Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuva ukufika bu-8. Ukubala okungakahleleki ukusuka ku 1-10. Ukuqinisa ukubala ngakubili usebenzisa imidunduzelo yeenomboro Qinisa ukubala ngeenomboro sikhundla: Utijhere upakela izinto ezibu-8 ereyini. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu.</i> Qinisa umqondo “wakonengi nambadlwana” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla abu- 8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma zeenomboro nemidunduzelo</p>	<p>Ilanga li 1</p>
	<p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Abafundi basebenzisa imizimba yabo ukwenza amatshwayo weenomboro. - Utijhere wenza iinomboro ngemethiriyeli ehlukeneko leya abafundi abagayithinta isib. Isaniphepha, intambo / idaka. - Yitjho imidunduzelo neengoma zeenomboro. 	<p>Amatshwayo amakhulu weenomboro enziwe ngesaniphepha</p>	
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Sebenzisa izinto eziphathekako njengamabhlogo neembandana zeplastiki. - Zibale, uzihlele, beka ezibunane ereyini njll. <p>Hlukanisa abafundi ngeenqhema. Beka iwobhu yeembandana zeplastiki zeplastiki phakathi kwesiqhema ngasinye. Vumela abafundi bonyana ba:</p> <ul style="list-style-type: none"> - Sebenze ngababili esiqhemeni nifunisele bonyana ziimbandana ezingaki ezingewobhini. - Ipara ngayinye ithatha ikarada lenomboro ukumadanisa ukufunisele kwabo. - Bala inani lamambala leembandana. - Ipara ngayinye ingathola ikwekwezi esiphongweni. - Buyelela ngokubeka inomboro ehlukileko yeembandana ekabeni yemada. 	<p>Amabhlogo neembandana zeplastiki</p> <p>Iimbandana ezi -9 zeplastiki zeplastiki</p> <p>Amasede ambadlwana wamakarada wetshwayo lenomboro.</p> <p>Iinkwekwezi zokuthokozisa</p>	

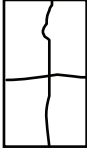
Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeembalo ngeveke)	
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko
<p>1.3 Amatshwayo weenomboro namabizo weenomboro</p>	<p>Ukukhumbula nokubona amatshwayo weenomboro namagama weenomboro afaka hangana iinomboro ukusuka kweyo 1 ukuya kweyo - 8</p> <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Madanisa amatshwayo weenomboro neenthombe ekungizo. - Umfundi kufuze azwize bonyana isiqhema sezinto singaphatha inani elilinganko lezinto. <div> </div> <div> </div> <ul style="list-style-type: none"> - Abafundi kufuze bakhombe into ngayinye lokha nababalako. - Abafundi kufuze bakghone ukumadanisa into enye kwenye isib. Iniziyo yinye elangeni linye. - Mejhisa amafetjhi karada wesithombe, amafetjhi karada wamqatjhazi, itshwayo lenomboro negama lenomboro ngenani elifanako lezinto zokubala. 	<p>Isithombe namafetjhi karada wetshwayo lenomboro</p> <p>Izinto zokubala</p> <div> </div> <div> </div> <div> </div> <p>Isede yamakarada weenomboro efaka hangana iinomboro ku - 1 ukuya kweyo - 8</p>

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalu ngeveke)	Amanothi athadlululako	Iinsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
Iinhloko	<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Amanothi athadlululako</p> <ul style="list-style-type: none"> • Ukuhlela begodu nokumadanisa ibuthelelo lezinto usebenzise “okunengi kuna/okuncani kuna ukufika enomborweni yobu – 8 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8.</p> <p>Ukubala uye phambili begodu uye emuva ukufika bu-8.</p> <p>Ukuqinisa ukubala ngakubili usebenzisa imidunduzelo yeenomboro</p> <p>Qinisa umqondo waka “nengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla abu- 8.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubeka amabhlogo abu – 8 phezu kwetafula. Ngaphandle kokubala abafundi kufuze balinganise (ukufunisele) inani lamabhlogo. - Utijhere uyabuza: <ul style="list-style-type: none"> o “Kunamabhlogo amanengi kunamathathu na?” o Abafundi bahlolela iimpindulo zabo ngokubala amabhlogo.” o “Ukufunisele kwakho bekuseduze kangangani?” <p>Ukusebenzisa izinto eziphathekako 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 zakatijhere abafundi babeka izinto zokubala esidlekeni ngasinye begodu batjho bonyana zingaki. - Abafundi bamadanisa “iindleke” begodu batjho bonyana ngisiphi isidleke esinenani lezinto zokubala “ezinengi kuna”, “ezincani kuna”, ezifanako nofana “ezinenani elilinganako”. 	<p>lingoma zeenomboro nemidunduzelo</p> <p>Amabhlogo</p> <p>Izinto zokubala</p> <p>Ikhasi le-A4 eligwale “iindleke” ezimbili</p> 	<p>Ilanga li 1</p>

Iveke 33 Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalu ngeveke)			
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Hlukanisa abafundi ngeenqhema</p> <ul style="list-style-type: none"> - Nikela isiqhema ngasinye amayunifiksi amanengi nesele yamakarada wetswayo lenomboro afaka hlangana inomboro ukusuka kwe 1 ukuya kwezi -8 - iinqhema azakhe imibhojihongo zilebule omunye nomunye umbhojihongo ngeenomboro yamakhubhu asejenzisiweko ukuwakha isib. 	<p>Amakhubhu wamayunifiksi</p> <p>Amakarada wetswayo lenomboro ukusuka kwe 1 ukuya kweyo – 8</p>	<p>Ilanga li 1</p>
<p>1.13</p> <p>Ukulinganisa nokukhupha</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere utjengisa amakarada amabili anenani elihluahlukeneko lamaqatjhazi neenthombe kiwo. - Abafundi abamadanise amakarada aneenthombe namaqatjhazi ukubona “okunengi kuna” “okuncani kuna” nokulingana na”. <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 8. Ukubala uye phambili begodu uye emuva ukufika bu-8.</p> <p>Qinisa umqondo “wakonengi nambadlwana”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana Utijhere uwahla izandla zakhe amahlandla asi 8. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>amafetjhi karada weqatjhazi nesithombe.</p>  <p>Ilanga li 1</p>	<p>Ilanga li 1</p>



Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisetjenzana yeembalu ngeveke)	
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko
<p>1.13</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Okuphathelene nokusikinyeka komzimba</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Utijhere ubizela abafundi aba -3 ngaphambili. Abafundi bayababala. Utijhere ubiza abanye godu aba 2 begodu abuze bonyana: "Bafundi abangaki nasele baboke?" Ku -3 naku 2 → 5. (utijhere uthi: ku -3 naku -2 kwenza → 5) 2. Utijhere upakela iintulo ezimbili. Ufaka ezinye ezi 2. Zingaki iintulo ezikhona njenganje? Ku - 2 naku 2 → 4. 3. Utijhere uphakamisa isandla sinye. Begodu utijho bonyana: "Bala imino yami. Nangifihla uthubhakghuru, mingaki imino oyibonako? Ku - 5 ukhupha ku-1 → 4. 4. Abafundi ababale imino esandleni sinye sabo. Fihla uthubhakghuru wakho; mingaki imino oyibonako? ku 5 ukhupha ku 1 → 4. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Abafundi abapakebakhuphe izinto zokubala ezisi – 6 begodu benze okulandelako:</p> <ul style="list-style-type: none"> - Utijhere unikela umfundi ngamunye izinto zokubala ezisi – 6. Utijhere 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. Unazingaki njenganje? Ku -4 naku 2 → 6. - Bala zoke izinto zokubala onazo. Nawuvala izinto zokubala ezimbili ngesandla sakho. ubona izinto zokubala ezingaki? Isi- 6 ukhupha ku-2 → 4. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Yenza amaphezeli weenomboro begodu uvumele abafundi ukuhlola ngamaphezeli.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">6</div> <div style="border: 1px solid black; padding: 5px;">3</div> <div style="border: 1px solid black; padding: 5px;">9</div> <div style="border: 1px solid black; padding: 5px;">7</div> <div style="border: 1px solid black; padding: 5px;">2</div> <div style="border: 1px solid black; padding: 5px;">9</div> </div>	<p>Ukulinganisa ubude besikhathi</p> <p>Izinto ne/nofana izinto zokubala</p> <p>Amaphezeli weenomboro</p>

Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeemalo ngeveke)		Ukulinganisa ubude besikhathi
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	
3.3 Ubujamo obubusobubili (2-D)	<p>Ukukhumbula ukubona nokuhlathulula amajamo wobusobubili 2-D eentombeni</p> <p>Umqondo ophathelene nomcabango</p> <ul style="list-style-type: none"> • Ubona ingcenyane kokuzeleko <p>Okuphathelene nokusikinyeka komzimba</p> <p>Utijhere 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 lo ungenziwa ngeenqhema itikhugululwe yenziwe iphaliswano – isiqhema sinye sifuze sihlathulule, esinye isiqhema kufuze sifunisele bonyana yinto bani. - Hlathulula umuntu begodu ubawe abafundi kobanyana bathole umuntu loyo. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Bonisa umfundi isithombe umlise asiqale. Bese uyasithatha ubawe umfundi bonyana ahlathulule koke lokhu asakukhumbulako. - Thatha iinthombe ezikhamba ngazinye uqunte iingcenyane zazo. Beka iinthombe neengcenyane ebhoksini begodu ubawe abafundi bonyana baqale iingcenyane ezingekho zesinye nesinye isithombe abasifumanako / abasidobhako. - Gwala iinthombe ezingakapheleli esiquntwini sephepha begodu ubawe abafundi bonyana bazalise isithombe. 	<p>Esinye nesinye isithombe</p> <p>iinthombe ezineengcenyane eziquntweko</p> <p>Umgwalo ongakapheleli</p>  	Ilanga li 1


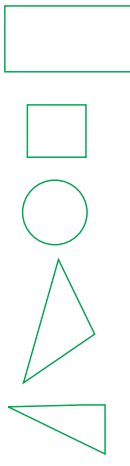
Iveke 33	Isikhathi sokufunda esiphakanyisiweko: Umsebenzi wangetlasini owodwa ohleliweko okhokhelwa ngutijhere (indulungu) ya ± 30 imizuzu ngelanga (± 5 imisejenzana yeemballo ngeveke)		Ukulinganisa ubude besikhathi
linhloko	Amanothi athladlululako	linsetjenziswa eziphakanyisiweko	Ukulinganisa ubude besikhathi
<p>3.4</p> <p>Isimethri</p>	<p>• Ukuthuthukisa ilemuko lokobanyana umzimba womuntu unamahlangothi amabili langesinceleni nelangesidlani angakghona ukuzikhambela ngokwawo</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Faka iregere esihlakaleni sangesidlani 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 eenhlokweni zabo. - Bathinta idololabo langesinceleni ngendololwane yabo yangesidlani. - Bathinta ihlombe labo langesidlani ngesandla sabo sangesinceleni njll. 	<p>lingoma zemisikinyeko/zemidunduzelo isib. “Ngifaka inyawo lesincele”</p>	<p>Ilanga li 1</p>
<p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<p>Ukusebenzisa izinto eziphathekeko ezibusontathu (3-D)</p> <p>Nikela umfundi ngamunye ibhlogo lokwakha Abafundi abahlale emadeni begodu ba:</p> <ul style="list-style-type: none"> - Beka ibhlogo ehlangothini labo langesidlani/langesinceleni. - Ngehlombe labo langesidlani/ingesinceleni. - Edolweni labo langesinceleni/langesidlani. - Enyawo labo langesinceleni/langesidlani njll. 	<p>Ibhlogo lomfundi ngamunye</p>	
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Umfundi ngamunye uthola iphepha nekhrayoni. - Abafundi abagwale umuda ekabeni yephepha ukusuka phezulu ukuya phasi begodu nomunye umuda ekabeni ukusuka ngesinceleni ukuya ngesidlani - Utijhere unikela iinyalelo: <ul style="list-style-type: none"> o Beka umuno wakho ekabeni yesiphambano. o Gwala indulungu ebhlogweni eliphezulu ngesinceleni. o Gwala uncantathu ebhlogweni elingenzasi ngesidlani. o Gwala isikwere ebhlogweni eliphezulu ngesidlani. o Gwala uncamane ebhlogweni elingenzasi ngesinceleni. - Cocisanani ngephostara yesithombe. Abafundi baphendula imibuzo ezabenza bakghone ukuhlathulula (ngaphandle kokujengisa) ubujamo bezinto esithombeni. 	<p>Iphepha</p> 	

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	Iinsetjenziswa ezinyulwako	
<p>1.1</p> <p>Ukubala izinto</p>	<p>• Ukwethulwa kwehlatululo yenomboro li-9</p> <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 9.</p> <p>Ukubala uye phambili begodu uye emuva ukufika bu-9.</p> <p>Ukuqinisa ukubala ngakubili ngokusebenzisa imdunduzelo yeenomboro</p> <p>Ukuqinisa ukubala ngeenomboro sikhundla</p> <p>Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu , kwesithandathu.</i></p> <p>Qinisa imiqondo “yokunengi” kunye “nokumbalwa”</p> <p>Wahla izandla zakho amahlandla amanengi ... JAMA.</p> <p>Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-9.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bala ukufika kuli-9 lokha ukhwela amastepisi. - Gwala inomboro ye-9 esandeni/eflurini/phasi bese ukhambe phezu kwayo. - Wahla izandla amahlandla ali-9. - Ukukhumbula iinomboro ukusuka keyo-1 ukufika keye-9 ngesede wamatshwayo weenomboro amakhulu. - Sebenzisa imibono yakho ukuvumela abafundi ilemuko lehlatululo yenomboro ye-9 ngemizimba yabo. 	<p>lingoma nemidunduzelo yeenomboro</p> <p>Isede yamatshwayo weenomboro amakhulu.</p>	<p>Amalanga ama-2</p>

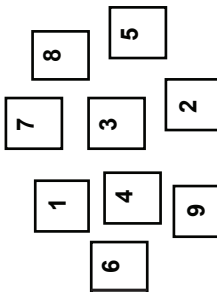
Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemibalo ngeveke	Isilinganiso sesikhathi										
Iinhloko	Amanothi athadhlulako	Iinsetjenziswa ezinyulwako										
<p>1.6 Amathekiniki wokurarulula imiraro</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Utijhere wenza inambalayini nofana ileri eflurwini/phasi.</p> <ul style="list-style-type: none"> - Utijhere unikela iinlayelo ezifana no: - Ngasoske isikhathi jama phezulu kwe-0 nofana thoma phezu kwe-0. - Ngasoske isikhathi bala lokha ukhambako. - Khamba ufike enomborweni yesi-5 , Buyela emuva enomborweni ye-2. Khamba uye phambili ukufika enomborweni yobu-8. - Khamba udlulele enomborweni yobu-8 Khamba ngenomboro yinye uye phambili, buyela iinomboro ezi-2 ukubuyela emva. - Kuza ubani ngemva kweenomboro yesi -3? - Ngijiphi inomboro eza ngemva kweenomboro ye-7 - Ukuthuthukisa ilemuko lobunjalo benomboro ngokungatjhunguluki nanyana ibekwe ngayiphi indlela, ngokukumela abafundi bonayana bapake izinto zokubala ezilithoba ngananyana ngiziphi iindlela ezihlukenekene isib; <div style="text-align: center;">  </div> <p>Lokha nakubalwako, inani lezinto alithintwa yisayizi yazo, namkha indawo namkha ngabe ngezomhlobo ofanako. Isibonelo</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezili-9, amapensela ali-9, amawubhu ali-9, abafundi aba-9 njll. - Zibale ngeendlela ezihlukeneko Isib: Zibale zirhatjhekile, zibuthelilelwe, zisemjejeni nofana zipakiwe. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Sebenzisa inomboro ye-9 ebujameni obujayelekileko. Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukumetjha amatfejji karada weenthombe nenani ellinganako lamathosi. Paka inani lezinto zokubala elilingana nawo. 	<p>Ilere yeenomboro</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>	0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9			

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athadlhulako	linsetjenziswa ezinyulwako	
<p>1.3</p> <p>Amatshwayo weenomboro namabizo weenomboro</p>	<p>• Ukukhumbula amatshwayo weenomboro begodu negama lenomboro.</p> <p>Okuphathelene nokusikinyeka komzimba.</p> <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 esusiweko. - Buyisela izinto bese ubuyelela iinkhathi ezimbalwa bese uragele ekuseni ezi-2 nofana izinto ezinengi. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bakhetha itshwayo lenomboro ye-9 negama lenomboro hlangana namanye amafetjhiharada. - Beka amafetjhiharada weamashwayo weenomboro eflurwini ngehlelo lokulandelana kweenomboro okufaneleko. - Beka amafetjhiharada anamatshwayo wenomboro ngendlela yokuwarhatjha.. <p>Hlukanisa abafundi babe ziinqhema ezincani.Utijhere unikela isiqhema ngasinye isede yamakarada anamatshwayo weenomboro.</p> <p>Nikela abafundi iinlayelo isib;</p> <ul style="list-style-type: none"> - Thinta inomboro ye-4, beka indololwana yakho enomborweni yobu-8. hlala phezulu kwenomboro yesi -3 gjijima uzungeleze inomboro ye-5 amahlandla amahlanu njll. - Dialani umdlalo ngokuhlobanisa inani lezinto zokubala negama lenomboro , itshwayo lenomboro. amaqatjhazi namakarada weenthombe. - Qinisekisa bonyana itshwayo lenomboro negama lenomboro lihlanganiswa ngasosoke isikhathi ilingana/likhambisana nezinto. 	<p>Izinto ezi-5 (ukucabanga okubonakalako)</p> <p>Izinto zokubala</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sezinto ezi-9</div>  </div> <p>Amasede ambalwa wamakarada weenomboro ezifaka hlangana inomboro yoku-1 ukufika keye-9.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">9</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Ithoba</div> </div> <p>Ifejtjhiharada enamatshwayo weenomboro namagama weenomboro, amaqatjhazi, neenthombe isib..</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Isithombe sezinto ezilithoba</div>  <div style="border: 1px solid black; padding: 5px; text-align: center;">9</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Ithoba</div> </div> <p>Izinto zokubala</p>	


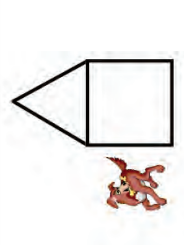
Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	Iinsetjenziswa ezinyulwako	
<p>3.1 Ubjamo, ukujayeza nokubukela</p>	<p>Landela ikombatjhuba ukuzitjhidisa namkha ukuzibeka endaweni ethileko</p> <ul style="list-style-type: none"> • Ukuthuthukisa umqondo wekombatjhuba. Okuphathelene nokusikinyeka komzimba. <ul style="list-style-type: none"> - Gwala uncantathu omkhulu, nofana isikwere phasi nofana eflurwini. - Abafundi bakhamba eduze kobujamo batjho ngokuphimsela bonyana bajikela ngesinceleni nofana ngesidleni bebatjengise nangezandla zabo. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Gwala uncantathu omkhulu nofana isikwere ephapheni bese uyibeke eflurwini .</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Tjhova ikoloyi yokudlala magega nemida.. - Abanye abafundi balulela izandla zabo sangesinceleni namkha sangesidleni ehlangothini elifanako begodu batjho bona <i>ngesinceleni</i> namkha <i>ngakwesokudla</i>. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bahlathulula izinto ezisebujameni obuhlukahlukeneko Isib: unompopi (ngemuva / ngaphambili) indlu (ngemuva /ngaphambili) iingemuva / ngaphambili lesikolo, ikoloyi (ingemuva/ngaphambili) ukuya ngokuthi ujame kuphi? - Abafundi bahlathulula lokho abakubonako.isib. nangabe kunomuthi phambi kwendlu bahlathulula indawo/ubujamo bomuthi. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Vumela abafundi balemuke umqopho wokuyaphambili/nemuva ngokukhomba iinthombe zeenkombatjhuba. 	<p>Amajamo amakhulu agwaliweko phezu kwephepha lokusebenzela.</p> <p>Ikoloyi yokudlala</p> <p>Unompopi.</p> <p>Indlu yamambala.</p> <p>Ikoloyi</p> <p>Iinthombe ezijengisa kuhle ikombatjhuba isib; ihlangothi ikoloyi etjninga kilo. ihlangothi umuntu akhamba atjninga kilo.</p>	<p>Ilanga li-1</p>

Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athadhlulako	Iinsetjenziswa ezinyulwako	Ilanga li-1
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Ukukhumbula , ukubona begodu nokutjho amajamo abusobubili (2-D) ngetiasini neenthombeni begodu bazihlele kuhle.</p> <ul style="list-style-type: none"> • Ukuqinisa ilwazi leendulungu, aboncantathu, iinkwere naboncamane. <p>Okuphathelene nesikinyo lomzimaba</p> <p>Vumela abafundi ukuba ngababili..</p> <ul style="list-style-type: none"> - Omunye agwale ubujamo phezulu komgogodlha womngani/wepara yakhe ngomuno. - Omunye umfundi ufanele atjho ubujamo obusemgogodlhwani wakhe. <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Ukunikelela ubujamo beJiyometri obunobukhulu nobudege obuhlukeneko 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 ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukusika ubujamo obutjhiwo ngehla babusika ephepheni. Bafake amajamo amakhulu namancani naboncantathu bama-engeli ahlukeneko.. - Bahlele ubujamo obuhlukeneko boke. - Ukutlama isithombe ngamabumbeko asikiweko bebawasebenzise ngesikhathi somsebenzi wobuKghwari 	<p>Amajamo ahlukeneko.</p> <p>Iphepha lokusebenzela elineendulungu, aboncantathu neenkwere naboncamane phezu kwalo.isib.</p>  <p>Faka hlangana ibumbeko elikhulu namkha elincani naboncantathu bama-engeli ahlukeneko.isib.</p> 	Ilanga li-1

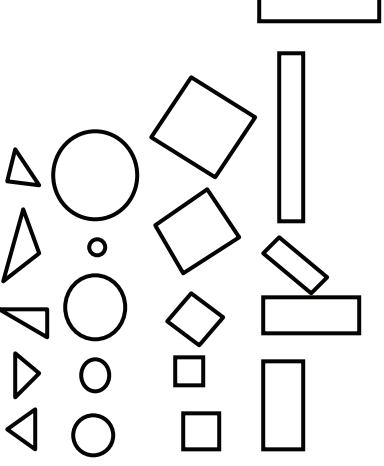
Iveke yama-34	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athadlhulako	Iinsetjenziswa ezinyulwako	Ilinganiso sesikhathi
<p>3.4</p> <p>Isimethri</p>	<p>• Ukuthuthukisa ilemuko lokuthi kunesimetri eentweni.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Ukuqala izinto zamambala ezizokubonisa isimetri (ihlangothi elinye elifana poro nelinye ihlangothi) Isib iviyaviyani, ikari lethuthumbo njll. - Utijhere nabafundi babuthelela iinthombe zemitlamo leyo enesimetri isib; imitlamo ependwe phezulu kwezindlu, imitlamo ephezu kwamathayilisi, imitlamo esemjekeneni nemapharatjthutheni. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Abafundi basika ubujamo behliziyo nofana emjekeneni wethuthumbo ezisephepheni eibhinciweko laba yihafu abe alikghabise ngesikhathi sobukghwari obuBonakalako. 	  <p>Iphepha eibhinciweko ngesiquntu.</p>	<p>Ilanga li-1</p>

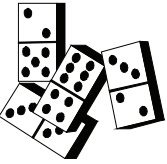
Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.1 Ukubala izinto	<p>• Ukuqinisa ilwazi elifunyenwe evekeni yama 34 eifaka hlangu inomboro-9</p> <p>Zomlomo: Ukubala izinto zangamatanga ukufika enomborweni li-9. Ukubala uye phambili begodu uye emuva 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 amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla amadlwana. Utijhere uwahla izandla zakhe amahlandla ali-9. Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemidunduzelo yeenomboro</p>	<p>Ilanga li-1</p>
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Okuphathelene nokusikinya umzimba.</p> <p>Asidlale umdlalo:</p> <p>Utijhere ubeka ikhadibhodi ekulu yobujamo nofana amakarada weenomboro afaka hlangu inomboro ezisuka ku -1ukuya kuli- 9 ngokulandelana kwazo efulwini. The teacher places the large cardboard number shapes or cards that involve numbers 1 to 9 in order on the floor.</p> <p>Utijhere unikela abantwana iinlayelo ezifana njenge:</p> <ul style="list-style-type: none"> - Hlala phezu kwenomboro yesi-6. - Beka izwani lakho enomborweni yesi-3. - Gijima uzombeze inomboro- 2 ka -3. - Yeqela ngale kwenomboro yoku-1. - Ngokukhamba kwesikhathi, utijhere angarhatjha amkarada weenomboro zamatshwayo. 	<p>Isede lekarada eikhulu elineenomboro namatshwayo.</p> <p>Ungazipenda phezu kwentokana ezidege zamaplastiki nofana phezu kwebhodi eqinileyo</p> 	<p>Ilanga li-1</p>
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>• Ukusebenzisa inomboro ebuja meneni obujayelekileko</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukubala izinto ngetlasini. - Ukubala ngezinto zokubala. - Utijhere ubeka izinto ngewobhi etafuleni. Uvumela abafundi bafunisele ukuthi zingaki izinto ezibekwe ewobhini. Zibaleni kamuva. 	<p>Izinto zokubala Izinto ezingetlasini</p>	<p>Ilanga li-1</p>

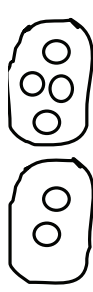
Iveke yama 35 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			
linhloko	Amanothi athladhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukudlala imidlalo ngokuhlobanisa inomboro yezinto zokubala negama lenomboro, ishwayo, namathosi/amachatjhazi nama karada weenthombe. - Qinisekisa bonyana ishwayo lenomboro begodu negama lenomboro ngasosoke isikhathi lihlobana /khambelana nezinto. - Gadangisa inomboro li-9 ngekhrayoni. 	<p>Amaflethi karada anamagama namatshwayo weenomboro ,amatqajhazi neenthombe isib.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">Isithombe sezinto ezilithoba</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">9</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Ithoba</div> </div> <p>Izinto zokubala, amakhrayoni</p>	<p>Ilanga li-1</p>
<p>1.7</p> <p>Ukuhlanganisa nokukhupha</p>	<ul style="list-style-type: none"> • Ukurarulula ngomlomo imiraro yamagama (iindatjana zeembalo) ebujamani obujayelekileko efaka hlangana inomboro ku-1 ukuya kuli-9. <p>Okuphathelele nokusikinya umzimba</p> <ul style="list-style-type: none"> - Coca iindatjana ngomuthi onenyoni eyodwa kiwo. Enye inyoni iyafika nayo emthini loyo. Sezingaki iinyoni njenganje? Abafundi benza umdlalo ngendatjana bafaka namamaski. Ku-1 naku-1 kwenza ku-2. <p>Buyelela indatjana bekufike eenyonini ezili- 9.</p>	<p>Izinto zokubala 9</p>	<p>Ilanga li-1</p>
	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umngani munye unezinto zokubala ezibu-8 isib. iimbandana zeplastiki begodu umngani wakhe unayi- 1. Baneembandana ezingaki zeplastiki nebahlangene bobabili? Ubu- 8 naku- 1 → 9 	<p>Izinto zokubala 9</p>	
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke 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 nokungezelela into yokubala phezu komuthi. 	<p>Amaphepha wokusebenzela anemithi nezinto zokubala</p>	

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	linsetjenziswa ezinyulwako
<p>3.1 Position, orientation and views</p>	<p>Amanothi athladhulako</p> <ul style="list-style-type: none"> • Ubjamo bezinto ezimbili nokuhlolobana kwazo enye kwenye Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Umfundi ubawa umngani bonyana ajame hlangana nezinto ezimbili nofana nabafundi ababili. - Umfundi ubawa umngani bonyana ajame eqadi komntazana ombethe irogo elihlaza sasibhakabhaka - Umfundi ubawa umngani bonyana ajame eqadi komsana ombethe amapatlagwana abhraweni <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> • Dosa/haga idrada phakathi kwezinto ezimbili. • Abafundi baphanyeka izambatho zamambala ngokulandela umyalo onqophileko isib. <ul style="list-style-type: none"> - "Phanyeka amahembe ngehangothini lesincele sedrada yezambatho " - "Phanyeka amarogo ngehangothini lokudla lamahembe " - Phanyeka iinsagadugu eqadi kwe.....njll." - "Phanyeka amabhruku hlangana ne.....njll." <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> • Gwala isithombe sendlu ngokulandela ukulayelwa isib. <ul style="list-style-type: none"> - Gwala umfulelo ngaphezulu ephepheni - Gwala amaboda wendlu phakathi naphakathi kwephepha njll. - Gwalainja ngesandleni sesincele sendlu. <p>Iphepha lokusebenzela kufanele bonyana lingaba likhulu-khulu, ukuqinisekisa bona ubujamo obuhluahlukeneko buyathintana ukwenza isithombe sendlu.</p>	 <p>Iphepha lokusebenza Amakhrayoni</p>	<p>Ilanga li-1</p>
			

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>linhloko</p> <p>3.3</p> <p>Ubujamo obubusobubili (2-D)</p>	<p>Amanothi athladlhulako</p> <p>Ukukhumbula, ukubona begodu nokutjho amagama wobujamo obubusobubili 2-D ngetlasini nasenthonjeni:</p> <ul style="list-style-type: none"> - Ukubulunga ubujamo • Ukuqinisekisa ilwazi elitholakele ngobujamo baboncamane <p>Ukubulunga ubujamo likgono lokuhlukanisa hlangu namajamo akhona ebhodulukweni lethu, ngaphandle kokuqala ubukhulu/isayizi yayo nofana isayizi yama-engele.</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Hlukanisa abafundi ngenqheema.</p> <ul style="list-style-type: none"> - Nikela isiqheema ngasinye amajamo ali-9 waboncamane abamabhlogo wokwakha ahlukehlukeneko. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukuhlela amajamo aboncamane bamabhlogo wokwakha ahlukehlukeneko ngeenqhema zamasayisi alinganako. - Ukubala inani lamabhlogo wokwakha. <p>Utijhere unikela imilayelo elandelako:</p> <ul style="list-style-type: none"> - Beka aboncamane bamabhlogo wokwakha emdeni onqophileko. - Beka aboncamane bamabhlogo wokwakha ajame nwe. - Beka aboncamane bamabhlogo wokwakha ngomuda omazombezombe. - Utijhere unikela umfundi ngamunye isiquntu sewulu. Abafundi benza aboncamane ngewululo. - Utijhere utijengisa abafundi bonyana umfundi ngamunye wenze uncamane ongafani nowomunye kodwana boke boncamane. 	<p>Isiqheema ngasinye sithola amajamo ali-9 waboncamane abamabhlogo wokwakha ahlukehlukeneko</p> <p>Isiquntu sewulu</p>	<p>Ilanga li-1</p> <p>Nofana khetha owodwa wemisetzanzana kwaphela</p>

Iveke yama 35	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athladlhulako	Iinsetjenziswa ezinyulwako	
<p>3.3 Ubujamo obubusobubili (2-D)</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ugwala amafetjhi karada ama-20 wemihlobohlobo, elinye nelinye libe naboncantathu abahlanu, iindulungu, aboncamane, iinkwere phezu kwalo.isib. 	<p>Amakarada anamafetjhh karada ahlukahlukeneko, elinye nelinye libe namunye waboncantathu abahlanuabahlukahlukeneko naboncamana abahlanu, iindulungu ezihlanu, iinkwere ezihlanu phezu kwawo.</p>	
	<p>Utijhere uhlukalisa abafundi ngenqheema.</p> <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukukhetha amafetjhi karada waboncamane hlangana namanye amjamo. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Ukukhetha zoke iinthombe ezinamathuthumbo ezihlangana nezinye ezinemithi namakari wemithi njll. 		

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
Iinhloko	Amanothi athladhulako	Iinsetjenziswa ezinyulwako
<p>1.1 Ukubala izinto</p>	<p>• Ukuqinisa ilwazi elifunyenweko elifaka hlangua inomboro ku-1 ukuya kuli-9 Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni li-9. Ukubala uye phambili begodu uye emuva ukufika li-9. Ukuqinisekisa ukubala ngakubili kusejenziswe imidunduzelo yeenomboro. Ukuqinisekisa imiqondo yobu” nengi” no “mbalwa” Wahla izandla zakho amahlandla amanengi ... JAMA. Wahla izandla zakho amahlandla ambadlwana. Utijhere uwahla izandla zakhe amahlandla ali-9. Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Beka izinto ngeenqhema okufaka hlangua inomboro 1 – ukufika 9 bese ubala izinto ngokuphimisela. - Ukudlala umdlalo wedomino yeenomboro. 	<p>Iingoma nemilozelo yeenomboro</p>  <p>Izinto ezingetlasini Amadomenus wenomboro</p>
	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D) Nikela omunye nomunye umfundi isithombe, iqatjhazi, itshwayo lenomboro nofana ikarada legama lenomboro. Abafundi baphendula iinlayelo ezibuya kutijhere.</p> <ul style="list-style-type: none"> - Abafundi bahlala benze indulungu. - Utijhere ubiza inomboro isib. li-9. Umfundi ophethe isithombe, iqatjhazi, itshwayo lenomboro begodu negama lenomboro elijamele inombobo li-9, uyakhambe azungeleze indulungu athi:”Ngiphethe uli – 9’ - Buyelela wenze ngazo zoke ezinye iinomboro . - Lokha nasele woke umfundi athole ithuba lokuba ‘yinomboro’, biza inomboro ngokulandelana. - Abafundi bayasikima bajame ngenyawo baphakamise amakarada wabo phezulu nange iinomboro zabo zibizwa. - Qalisisa bonyana abafundi bayakhona ukuzinlela ngokwabo ngokulandelana ukusuka eku-1 ukufika kuli - 9 - Qalisisa bonyana abafundi bayakhona ukulandelanisa woke amakarada ajamele iinomboro ngokwabo 1, 2, no 3 ukufika enomborweni li-9 sezizoke. 	<p>Amasede aneleko wamakarada weenomboro ezifaka hlangua 1 kuya 9,omunye nomunye umfundi etlasini uthola iflesh karada.</p>

Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemBALO ngeveke		
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<p>Amanothi athladhulako</p> <ul style="list-style-type: none"> • Madanisa bonyana ngiliphi lamabuthelolelo amabii onikelwe wona eli: <ul style="list-style-type: none"> - Nengi kuna - mbalwa kuna - Kulingana na <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhere unikela imihloboho yezinto ezihlukeneko ezifana namakari, amatje, iimvalo zamabhodlelo, amakhrayoni, amabhlogo njll. <p>Vumela abafundi:</p> <ul style="list-style-type: none"> - Bazihlele ngokuya “ngeenqhema” isib. Amatje woke abe ndawonye. - Babale inani lezinto kesinye nesinye “isiqhema”. - Batjengise bonyana ngisiphi “isiqhema” “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. - Utijhere unikele abafundi iinlayelo bonyana bafake izinto zokubala ezi – 2 esidlekeni esisodwa begodu, ezi 4 ngakesinye isidleke. - Buza imibuzi efana nokuthi, “ngisiphi isidleke esinezinto ezinengi kuna” “ezimbadiwana kuna” begodu nenani elilinganako?. Isib. Isidleke esinezinto ezi – 2, “ezimbadiwana” kunesidleke esinezinto zokubala ezi- 4. <div style="text-align: center;">  </div> <ul style="list-style-type: none"> - Vumela abafundi babambe “okunengi”kuna, “okumbadiwana” kuna “noku’linganako” emasethini aneenomboro ukufika e - 9 	<p>linquntu ezimbili zevolo zinikelwa omunye nomunye umfundi</p> <p>Izinto zokubala ezili-9 zinikelwa omunye nomunye umfundi</p>	<p>Ilanga li-1</p>

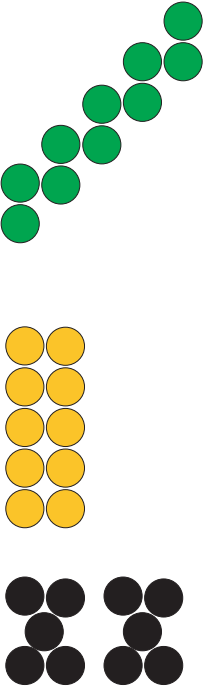
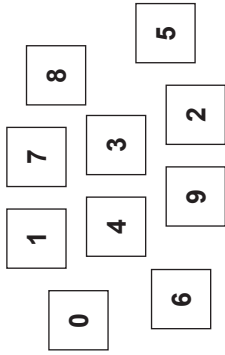
Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi athladlhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.13 Ukuhlanganisa nokukhupha</p>	<p>Amanothi athladlhulako</p> <ul style="list-style-type: none"> • Ukurarulula imiraro yokuhlanganisa nokukhupha ekhulunywe ngomlomo okufaka hlangana inomboro ku—1 ukuya kuli-9 <p>Zomlomo: Ukubala izinto zangamalanga ukufika enomborweni bu- 9. Ukubala uye phambili begodu uye emuva ukufika bu-9. Ukuqinisa ukubala ngakubili ngokusebenzisa imdunduzelo yeenomboro</p> <p>Ukuqinisekisa ukubala ngeenomboro sikhundla:</p> <p>Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu , kwesithandathu .</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.</p> <p>Buza umbuzo wokobana ngimaphi amahlandla wokuwahla izandla abe manengi khulu/mancani khulu.</p>	<p>lingoma nemilozelo yeenomboro</p>	<p>Ilanga li-1</p>
	<p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubizela umfundi o – 1 ngaphambili. - Utijhere ufaka inani elinlukileko lemincama (ukufika e – 9) kesinye nesinye isandla somfundi isib. 4 esandleni esinye na – 5 ngakesinye isandla. - Utijhere uhlela abafundi ngenqheema zangalithoba. - Abafundi bahlala phasi. - Utijhere ubawa abafundi aba – 2 basikime bajame ngeenyawo. - Utijhere ubuza bonyana “Bangaki abafundi abahlezi phasi?” 	<p>limincamo nofana izinto zokubala</p>	

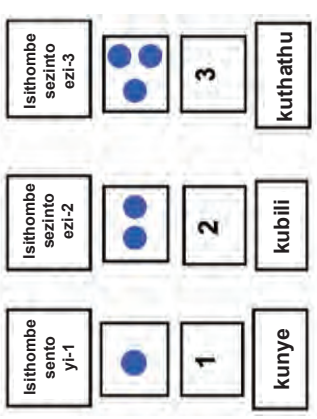
Iveke yesi 36	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	llanga li-1	
<p>1.13</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bahlala benze indulungu. - Omunye nomunye umfundi uthola imincamo ebu-9 efakwe ngekomitijini leplastiki. - Thatha imincamo esi-6 engekomitijini uyibeke phezulu kwepiringi. Thatha eminye emi-3 uyihlanganise nemincanyana esepiringini. Mingaki imincamo engepingingini? Isi-6 naku- 3 → 9. - Thatha imincamo emi-4 engepingingini uyifake ngaphakathi kwekomitijini yepplastiki. Thatha eminye imincamo emi-5 uyihlanganise nemincamo engekomitijini yepplastiki. Mincamo emingaki engepingingini? 1 - 9 ukhupha/susa ku-4 ukhupha/susaku-5 → 0. - Susa imincamo emi-4 engekomitijini yepplastiki uyise ngepingingini. Kunemincamo emingaki esele komitijini yepplastiki? 1-9 ukhupha ku-4 → 5. - Susa imincamo e-5 ekomitijini yepplastiki uyifake ngepingingini. Kusele imincamo emingaki ngekomitijini yepplastiki? Ku-5 susa/khupha ku-5 → 0. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlukanisa abafundi babe ziinqhema. Nikela isiqhema ngasinye isedi yamafejhikarada weenthombe.</p> <ul style="list-style-type: none"> - Bala iinthombe ezi-6 ezisefejhikaradeni. Lokha nawuhlanganisa neflejhikarada elineenthombe ezi-2 phezulu kwalo. Uzokuba nazingaki 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 ezilingana nalezo? 	<p>Nangabe awunamakomitijini nofana amapiringi ungasebenzisa lokho onakho.</p> <p>Amasehi ambalwa wama flejhikarada aneenthombe</p>	<p>llanga li-1</p> <p>llinthombe ezintathu zeenthuthi ezihlukahlukaneko nofana imitijini</p>	
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<ul style="list-style-type: none"> • Kopulula iphetheni yamatjhada Okuphathelene nokunyakaziswa komzimba - Utitjhere uhlukanisa abafundi iinqhema ezintathu. Hlebela begodu ukhombise isiqhema ngasinye bonyana ngiliphi itjhada lesithuthi elizajanyelwa siqhema lesi-3. - Isiqhema ngasinye senza itjhada lesithuthi lesi-3 abasijameleko lokha utitjhere nakabakhombako. - Vuum, brmm, khutjkhutjhu 	<p>llanga li-1</p>	<p>llanga li-1</p>	

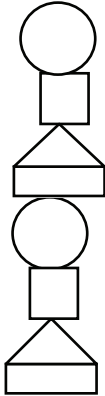
Iveke yesi 36 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi									
linhloko	linsetjenziswa ezinyulwako									
<p>5.1 Ukubuthelela nokuhlela izinto ngemihlobo</p> <p>5.2 Ukujamiselela ibuthelelo lezinto elihlekileko</p> <p>5.3 Coca bewubike ngokuhlelwa kwezinto ezibuthelelweko</p>	<p>Amanothi athadhlulako</p> <ul style="list-style-type: none"> • Ukuqinisekisa umqondo wokuphatha idatha <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D) Asidlaleni umdlalo: Ukubeka ngamananeko begodu ubuthelele ngokukhetha umbala wehlama yokudlala yeemveke ezilandelako isib.</p> <ul style="list-style-type: none"> - Umraro okufanele usonjululwe kuthola umbala wehlama yokudlala okufanele ube khona ngeveke elandelako. <p>Buthelela idatha begodu uyinlele</p> <ul style="list-style-type: none"> - Sebenzisa izinto eziphathekako ukwenza iGrafu okufana nama bhlogo, amakhyubhu agandalelweko, amabhlogo weLego nofana weDuplo ajamele umbala wehlama, uhlela ukuyenza isib. hlaza kwesibhakabhaka, sarulana nehlaza kojani. - Omunye nomunye umntwana ukhetha ibhlogo elilodwa elijamele umbala wederthe yokudlala yeveke azikhethelele yona. <p>Gwala iGrafu</p> <ul style="list-style-type: none"> - Amabhlogo agandalelwe ngokuya ngokombala osepostareni. <p>Funda bewrhumutjhe iGrafu</p> <ul style="list-style-type: none"> - Ngokuya ngokuzikhethela kwabafundi, umbala wehlama yokudlala waleveke uzakuba ngosarulana. <table border="1"> <thead> <tr> <th>Hlaza sasibhakabhaka</th> <th>Sarulani</th> <th>Hlaza satjani</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> <td><input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>2</td> <td>4</td> <td>2</td> </tr> </tbody> </table>	Hlaza sasibhakabhaka	Sarulani	Hlaza satjani	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	2	4	2
Hlaza sasibhakabhaka	Sarulani	Hlaza satjani								
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>								
2	4	2								
	ilianga 1									

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako
1.1 Ukubala izinto	<p>• Ukwethula ihiathululo yenomboro 0 (iilize) Zomlomo: Ukubala izinto zangamalanga ukufika e-10 ukuthoma elizeni Ukubala uye phambili nokuya emuva ukufika ke-10 ukuthoma elizeni.</p> <p>Ukuqinisa ukubala ngakubili ngokusebenzisa imidunduzelo yeenomboro Ukuqinisa ukubala ngeenomboro ezilandelanako: Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu , kwesithandathu</i></p> <p>Ukuqinisa imiqondo elandelako:” nengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-10 Ubuza imibuzo bonyana ngikuphi ukuwahiwa kwezandla okube kunengi khulu/ mbalwa khulu. Utijhera ukhomba bonyana iilize “alijho litho” begodu nokutni ukubala kuthoma ku-1.</p> <p>Okuphathelene nokusikinyeka kmzimba</p> <ul style="list-style-type: none"> - Utijhera utjengisa abafundi igama lenomboro ilize. - Vumela abafundi nakhombe bonyana ngisiphi isitho zomzimba esingenza ilize, isib. o Umlomo womfundi o Imino yomfundi 	<p>Ilinganiso sesikhathi Ilanga li-1</p> <p>Iingoma nemidunduzelo yeenomboro</p> <p>Izinto zokubala <input type="text"/> <input type="text"/> 0</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijhera ubeka into yokubala esandleni sakhe esisodwa begodu azikho izinto zokubala kwesinye isandla. - Uvula isandla sakhe esisodwa begodu utjengisa abafundi into yokubala eyodwa., bese uvula esinye isandla sakhe begodu utjengisa abafundi bonyana asinalitho. - Ungasebenzisa nabafundi ukwenza umsebenzi lo. <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhera utjengisa abafundi amafetjhiharada angenaanthombe begodu netshwayo lenomboro 0.





Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke	Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako
1.1 Ukubala izinto	<p>Ukwethula ihlathululo yenomboro i- 10 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 Ukuqinisa ukubala ngeenomboro ezilandelanako: Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu , kwesithandathu</i></p> <p>Ukuqinisa imiqondo elandelako:” nengi” begodu “mbadlwana” Ukuwahla izandla amahlandla amanengi JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-10 Ubuza imibuzo bonyana ngiliphi inani lokuwahliwa kwezandla elibe linengi khulu/ lincani khulu.</p>	<p>llamga li-1</p> <p>Khetha imisejenzana embalwa kwaphela.</p>
	<p>Okuphathelene nokusikinyeka komzimba Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Ngababii benze inombolo ye-10 ngemizimba yabo (abafundi aba- 4) - babale ukufika ku-10 ngesikhathi balandele ibetho lesigubhu - Baphakamise imino emi-10. - Bagwale inomboro ye-10 esandeni/ phasi/ begodu hikamba kiyo. - Beqe kali-10 - Bafake amakhadibhodi weenomboro asikiweko ngemgodleni ophethe izinto okufanele umfundi afanisele ngokuzwa/ ngokuthinta bonyana ubamba ini. - Yiba namafejhikarada aneentombe ezijamele inomboro, isib. Iimbholo esimbili ezisekeradeni nenomboro u-2. Abafundi “bezwa” inomboro ezingabhegeni begodu bazimadanise namakarada. 	<p>lingoma nemilozelo yeenomboro</p> <p>Iinomboro zamakhadibhodi ezisikiwko</p> <p>Amafejhikarada wamatshwayo weenomboro amakhulu</p>

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Babeke inomboro zabo zomtato ngokusebenzisa amakarada amakhulu .wamatshwayo weenomboro. Balemukise ilize elijamele inomboro 10. - Bathuthukise ilemuko lenomboro engatjhugulukiko ngokuvumela abafundi babeke izinto zokubala ezilijhumi nofana nanyana ngiziphi izinto ngeendlela ezihluahlukeneko, isib. 		<p>Amakarada aneenomboro zetelefomu zabafundi</p> 
	<p>Nawubalako, inani lezinto aliphazanyiswa bukhulu bento, nofana indawo nanyana zingaba mihlobo efanako. Isibonelo,</p> <ul style="list-style-type: none"> - Hlela iinkunubhe ezi-10, amapensela ali-10, amahubshi ali-10, abafundi abali-10, njll. - Zibale ngendlela ehlukahlukeneko, zibale zirhatjhekile, zihlalelene ndawonye, zisemideni nofana zimahobhi, njll 		

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			Isilinganiso sesikhathi
Iinhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako		
<p>1.1</p> <p>Ukubala izinto</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Vumela abafundi balandele ilayelo likatijhera:</p> <ul style="list-style-type: none"> - babeke izinto ngeenqhema ezifaka hlangana inomboro 1 ukuya ku 10 begodu babalele izinto phezulu. <p>Ufijhera uhlukanisa abantwana ngeenqhema ezi-5.</p> <p>Vumela abafundi bonyana:</p> <ul style="list-style-type: none"> - Hlela begodu hlobanisa amakarada weenthombe, amafijhikarada wamaqatjhazi, amatshwayo weenomboro begodu namagama wenomboro ngendlela elandelanako ukufikela enomborweni ye-10 njll. 		<p>Izinto ezingetlasini</p> <p>Isede yesithombe ukufika enomborweni ye-10</p> <p><input type="text"/> <input type="text" value="0"/></p> <p>Izinto zokubala</p>	
<p>- Beka izinto zokubala ezikhambelana namaqatjhazi aphezu kwekarada ngalinye.</p>				

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			Isilinganiso sesikhathi
linhloko	2.1	Amanothi athladhulako	linsetjenziswa ezinyulwako	llanga li-1
Iveke yama 37	<p>Amaphetheni weJiyomethri</p> <p>2.1</p>	<p>Amanothi athladhulako</p> <p>• Diala umdlalo wepetheni – “iHop skotjhi”</p> <p>Hlanganisa nesiFundo sokuziThabulula emaKghonweni wePili</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Khamba khamba ngendlini. Esitjengisini, nofana umvumo nawujanjisiwako, utijhera ubiza igama lejhada. Abafundi benza ijamo lelo ngemini yabo. Bangakha iinqhema begodu bakhe ijamo ngemizimba yabo. - Gwala iphetheni engenzasi eflurwini/phasi nofana evarandeni ukobana abafundi bakhambe ngendlela enqophileko 	<p>Isibonelo sephetheni esinikelweko esigwalwe eflurini, phasi, evarandeni.</p>  <p>Hiathulula iphetheni, isib.</p> <ul style="list-style-type: none"> - Buza imibuzo efana nelandelako: - “Ngiliphi ijamo eliza ngemva kukancamane wokuthoma na?” - “Ngiliphi ijamo eliza ngaphambi kwendulungu yokuthoma?” <p>Abafundi balandela iphetheni ngendlela elandelako:</p> <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 lesidleni esikwereni. - Yeqela ngeenyawo zombili endulungeni begodu jika isizungu zungwane ngendulungeni. - Qedelela iphetheni. 	llanga li-1

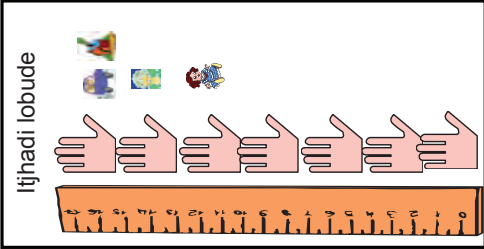
Iveke yama 37 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			
Iinhloko	Amanothi athladlhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umfundi ngamunye uthola amajamo alandelanako:  <p>Utijhera wenza iphetheni ngamajamo wakhe Vumela abafundi:</p> <ul style="list-style-type: none"> - bakope iphetheni katijhera basebenzise amajamo angehla - bathuthukise iphetheni yabo ngamajamo anikelweko. 	<p>Umntwana ngamunye uthola amajamo alandelako:</p> 	
<p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<p>Ukulandela iinkombatjhuba zokukhamba nofana zokuzithola usendaweni ethile ngesikhathi esinqophileko</p> <ul style="list-style-type: none"> • Ukuthuthukisa umcabango wekombatjhuba ngokusebenzisa iinlayelo ukufaka hlangana <p>Okuphathelene nokusikinyeka komzimba</p> <p>Vumela abafundi balandele iinlayelo zikatijhera:</p> <ul style="list-style-type: none"> - Qala phezulu/ qala phasi/ qala ehla - Khothamela phasi - Phakamisa umlenze wesincele/ phakamisa umlenze wangesidleni - Khasa uzombe itafula - Khamba utjhiinge phambili/ khamba utjhiinge emuva - Faka izandla ngaphakathi/ ngaphandle - Jama ehlangothini langesinceleni lesitulo/ Jama ehlangothini 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>Iinlayelelo zikatijhera</p> <p>Ithemino loji:</p> <p>phezulu/phasi</p> <p>ngaphakathi/ bgaphandle</p> <p>phezulu/phasi</p> <p>phambili/emuva</p> <p>ngaphambi kwa/ngemuva kwa</p> <p>phezu/ ngaphezulu/ ngaphasi/ ngaphezulu</p> <p>ihlangothi linye/ihlangothi elinye</p> <p>hlanu kwe</p> <p>ngesinceleni /ngesidleni</p> <p>hlangana</p>	<p>Ilanga li-1</p>

Iveke yama 37	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke			Isilinganiso sesikhathi
linhloko	Amanothi athladlhulako	linsetjenziswa ezinyulwako		
<p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <p>Vumela abafundi benze izinto ezilandelako ebhodini:</p> <ul style="list-style-type: none"> - Gwala indulungu begodu ragela phambili ubuyebele begodu ubuyebele  <ul style="list-style-type: none"> - Gwala imida enqophileko ukusuka esinceleni ukuya esidleni  <ul style="list-style-type: none"> - Ukugwala imida eye phezulu naphasi  <ul style="list-style-type: none"> - Utijhera ugwala amaqajhazi amabili begodu umfundi ugwala umudaowahlanganisako 	Iijhokibhodi		

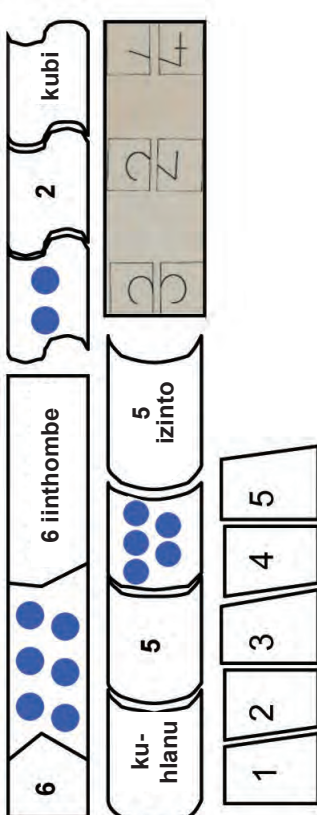
Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.1 Ukubala izinto</p>	<p>• Ukuqinisa ilwazi elizuzwe evekeni yama-37 efaka hiangana inomboro 0 ukuya ku-10 Zomlomo: Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuva ukufika e-10 Ukubala okungakahleleki 0-10 Ukuqinisa ukubala ngakubili ngokusebenzise imidunduzelo yamagama Ukuqinisa ukubala ngeenomboro ezilandelanako: Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu, kwesithandathu</i></p> <p>Ukuqinisa imiqondo elandelako: ” nengi” begodu “mbalwa” Ukuwahla izandla amahlandla amanengi JAMA. Ukuwahla izandla amahlamdla ambadiwana. Utijhera uwahla izandla bekube ka-10 Ubuza imibuzo bonyana ngikuphi ukuwahliwa kwezandla okube kunengi khulu/ mbalwa khulu.</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhera ugwala iindulungu ezi-11 (1ukuya 10) etawini lezemidlalo nofana basebenzise amawupsi. Tiola inomboro 0 ukuya ku-10 ngaphakathi kwendulunga ngayinye. - Khumbuza abafundi bonyana i-0 alitjho litho. Nangabe umfundi uphosa umgodlana wamabhontjisi ” endlungeni yelize” uzokuphuma angasadlali . - Umfundi uphosa umgodlana wakhe wamabhontjisi endlungeni ekhambisana neqatjhazi begodu/nofana nekarada lesithombe esitjengiswe ngutijhera. - Umfundi uphosa umgodlana wakhe wamabhontjisi endlungeni etjengiswe ekaradeni lamatshwayo wenomboro etjengiswe ngutijhera. - Ragela phambili ngokusebenzisa amakarada wamagama weenomboro ngendlela efanako. 	<p>lingoma nemidunduzelo yeenomboro</p> <p>imigodlana yamabhontjisi eli-10 lindulungu ezigwalwe esanseni, phasi nofana eflurini nofana sebenzisa amawupsi</p>	<p>llanga li-1</p> <p>nofana</p> <p>khetha kwaphela eminye imisebenzi</p>

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		
linhloko	Amanothi athladhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
<p>1.3</p> <p>Amatshwayo weenomboro namabizo weenomboro</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Asidaleni umdlalo:</p> <ul style="list-style-type: none"> - Utijihera utlola igama lenomboro ehlangothini elilodwa lekarada begodu utlola itshwayo lenomboro ehlangothini elinye lekarada elifaka hlanguana iinomboro. - 0 ukuya ku 10 (sebenzisa amasede ambalwa) - Abafundi “ bafunda” igama lenomboro begodu bafunisela itshwayo lenomboro - Baphendulela ikarada ngale kwalo begodu bazilungisa ngokwabo. 	<p>Isede yamakarada weenomboro efaka hlanguana</p> <p>Inomboro 0-10</p> <p>Amakarada afaka iinomboro</p> <p>1-10 ezinamagama weenomboro keliinye ihlangothi begodu netshwayo lenomboro keliinye ihlangothini. (yenzaq amasede ambalwa ukwenzela bona omunye nomunye umfundi abe nekarada lakhe)</p>	
<p>1.4</p> <p>Ukhiathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<ul style="list-style-type: none"> • Ukwethula iinomboro ngokulandelayana kwazo- kokuthoma, kwesibili, kwesithathu ukufikele kukwesithandathu. <p>Umnqondo lo uthuthukiswa kuhle khulu ngokukhamba kwesikhathi begodu ngokusebenzisa nokulebula ubujamo bemvelo njengombana benzeka ngetlasini, isib. Ukujama emdeni wokulungiselela ukuya ngaphandle “USiya ngewokuthoma, uHelen ngowesibili ...”</p> <p>Okuphathelele nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Vumela abafundi baphalisane ngokugijima. Ngubani ofike kokuthoma, kesibili, kokugcina emdeni? <p>Dlala umdlalo- Ngiyiphi okungiyiyo?</p> <ul style="list-style-type: none"> - Bawa abafundi abahlanu bahlele ngereyi eentulweni ezihlanu. - Utijihera uthi: Ngicabanga ngabanye babafundi laba. Umfundi umbethe ijesi ebomvu.” - Ukuthoma ngomfundi ohlezi ngaphambili, ukhamba ereyini, uthinta umfundi ngamunye begodu ubuza: “ Kumfundi wokokuthoma, wesibili, wesithathu... na? <p>Vumela abafundi bajame ngaphandle emastebhisini. Utijihera ubeka ikarada lamatshwayo weenomboro afaneleko ngaphasi komfundi ngamunye emastebhisini. Ngijengise bonyana ngimuphi umfundi ojame</p> <ul style="list-style-type: none"> - Esistebhsini sokuthoma - Esistebhsini sesibili - Esistebhsini sesithathu, njll. <p>Umfundi osestebhsini sokuthoma uphakamisela phezulu ikarada letshwayo lenomboro kwaphela ngemva kobana ipenduo inikelwe bafundi betlasi lakhe. Ragele phambili ufike enomborini yesi-6</p>	<p>llanga loku-1</p>	<p>Iintulo ezihlanu</p> <p>Isede yamakarada anamatshwayo weenomboro afaka iinomboro 1 ukuya ku- 10</p> <p>Sebenzisa onakho nakungekho iintepisi</p>

Iveke yama 38 Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeemalo ngeveke			
linhloko	Amanothi athladhulako	Iinsetjenziswa ezinyulwako	Isilinganiso sesikhathi
1.7 Ukuhlanganisa nokukhupha	<p>Amanothi athladhulako</p> <ul style="list-style-type: none"> • Ukurulula iinkinga zamagama ngomiomo (indatjana yeemalo) ezifaka inomboro 10 <p>Zomlomo: Ukubala izinto zangamalanga ukufika ku -10 Ukubala uye phambili begodu uye emuva ukufika ku-10. Ukuqinisa imiqondo elandelako: " nengi" begodu "mbalwa" Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla amadlwana. Utijhera uwahla izandla bekube ka-10. Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, amadlwana</p> <p>limbonelo:</p> <ol style="list-style-type: none"> 1. Bekunabafundi aba-5 ngetlasini. Kwafika abanye abantazana aba-5. Bangaki nasele baboke? 5 na 5 → 10. 2. Bala izinto zokubala ezi-7. Ngeza ngazimbili. Ngeza ngayinye godu. Zingaki nasele zizoke? 7 na 2 na 1 → 10. 3. Kunezinto zokubala ezi-10 etafuleni. Kusele ezine kwaphela. Zingaki izinto zokubala ezisusiweko? 10 khupha 6 → 4. Unamamabula ali-10. Susa ma-3. Mangaki aseleko? 10 khupha 3 → 7 4. Ubhage amakhekhe ali-10. Uthengise ma-2. Mangaki amakhekhe aseleko 5. Kunezinto zokubala ezi-10 etafuleni. Kusele zintathu kwaphela. Zingaki izinto zokubala ezisusiweko? 	Izinto zokubala	Ilanga li-1
3.1 Ubujamo, ukujayeza nokubukela	<ul style="list-style-type: none"> • Ukulandela iinkombatijhuba zokukhamba nofana zokuzithola ngokwakho usendaweni ethile ngetlasini. <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhera ubawa abafundi bonyana bayokujama ngemuva ngeklasini (umnyango ovulekako ufjengisa ingaphakathi letlasi) - Utijhera ubawa abafundi bonyana bayokujama ehlangothini elilodwa langetlasini/ kelinye ihlangothi letlasi. - Utijhera ubawa abafundi bonyana bajame ngaphambili ngetlasini. <p>Ukusetjenziswa kwezinto ezibosobathathu 3-D eziphathekako</p> <p>Itjhada linehlathululo</p> <p>Abafundi balalela:</p> <ul style="list-style-type: none"> - Isimbi - ifengwana. - Isitlabagelo somvumo - Ukubethwa kwamabhlogo amabili ndawonye 	Isimbi Ifengwana Esinye nesinye isitlabagelo somvumo Amabhlogo amabili weengodo	Ilanga li-1

Iveke yama 38	Isikhathi sokuthintana esiphakanyisiweko: Umsebenzi munye weklasini ohleliweko ohlahlwa ngutijhere(indulungu) ± 30 imizuzu ngelanga (± 5 yemisebenzi yeembalo ngeveke		Isilinganiso sesikhathi
linhloko	Amanothi athladhulako	linsetjenziswa ezinyulwako	Isilinganiso sesikhathi
4.2 Ubude	<p>Ukumadana nokuhiela izinto eziphathekako ngokusebenzisa ilwazimagama lokuhlulula ubude bento</p> <ul style="list-style-type: none"> • Ukumeda ubude babafundi ngokusebenzisa ithubi yokumeda <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Qala umsebenzi wethemu yokuthoma begodu neyesithathu lapho kumedwa khona ubude babafundi kusebenziswa izandla etjhadini lobude. - Meda ubude babafundi godu. - Utijhera ubeka ithubi yokumeda hlanu kweentombe zezandla etjhadini lobude. - Ubude babafundi buyamedwa godu. - Yelelisa abafundi bonyana kusebenziswa isitlabagelo sokumeda esihleleleke begodu lokhu ngiokho ebekusebenziswa ngumma nakathunga amarogo. - Njenganje abalingani nobude bezandla ezi-10 kodwana bayimitha li-1 nama-10 cm ubude. - Abafundi bangamadanisa ubude babo. Ngubani omude khulu/omfijhani khulu ngetlasini? <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Umfundi ulala phasi eflurini, abanye babeka amabhlogo wokwakha (wamasayizi alinganako) ngomuda onqophileko magesa nomzimba womfundi. - Utijhera unikele iinlayelo: “ Yakha okuthileko okudanyana / okufijhazana kunomngani wakho. 	<p>Itjhadini lobude ithubi yokumeda</p> 	


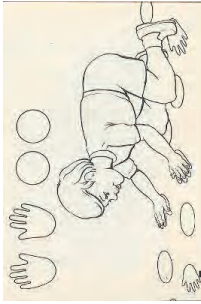
Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisejenzana yeeMbalu ngeveke)	
linhloko	Amanothi athladhulako.	linsetjenziswa Eziphakanyisiweko.
1.1 Ukubala izinto	<p>• Ukuqinisekisa ihlathululo yenomboro li- 10 Zomlomo: Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuva ukufika e-10 Ukubala okungakahleleki 0-10</p> <p>Ukuqinisekisa ukubala ngeenomboro sikhundla: Utijhere upaka izinto zokubala ezisi-6 ngereyi. Ukhomba entweni ngayinye lokha nakabala <i>kokuthoma, kwesibili, kwesithathu, kwesine, kwesihlanu , kwesithandathu</i></p> <p>Ukuqinisekisa umqondo wokuthi “okunengi” ne “okulidanzana” Ukuwahla izandla amahlandla amanengi... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-10. Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, ambadlwana</p> <p>Okuphathelene nokusikinyeka komzimba Vumela abafundi bona:</p> <ul style="list-style-type: none"> - Batjho umlozelo weenomboro basebenzise imino elitjhumu. - Babale bona utijhere ubetha amahlandla amangaki etafuleni nabo bamlingise. - Wahle izandla zabo kalitjhumu. - Bala ukuya ngokulandelana kwamagido lokha abafundi nabehta iintebhisi beqela ngaphakathi nangaphandle kwamawupsi. - Gadanga ngeenyawo ngokulandela amagido alandelanako. - Abafundi abalitjhumu bajama endulungwini omunye nophathe umgodlana wamabhontjisi, kube nethungana phakathi nendawo. Abafundi abaphosele imigodlana yabo yeemabhontjisi ngethungeni baragele phambili kufika e 10. Abafundi kufanele babalele phezulu lokha nabaphoselako. Buyelela umsebenzi kufika lapho woke umfundi athola ithuba loku phosela.. 	<p>ilingoma nemilozelo yeenomboro</p> <p>ilingo li-1</p>

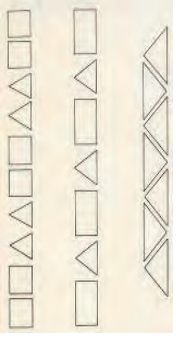
Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		
linhloko	Amanothi athadhlulako.	linsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
<p>1.1</p> <p>Ukubala izinto</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <p>Hlukanisa abafundi babe zinqhenyama 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 yeenomboro. 	<p>Yenza amaphazeli weenomboro afaka hlangana inomboro u ku 1 kufika e 10</p>	

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	
linhloko	Amanothi athladhulako.	Insetjenziswa Eziphakanyisiweko. Ukulinganisa Ubude Besikhathi
<p>1.13</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Amanothi athladhulako.</p> <ul style="list-style-type: none"> • Ukuqinisekiso ukuhlanganisa nokukhupha ngeensombululo ezifika e-10 Ukubala izinto zangamalanga ukufika e-10 Ukubala uye phambili begodu uye emuva ukufika e-10 Ukuqinisekisa ukubala ngakubili ngokusebenzisa imilolozelo yeenomboro . Ukuqinisekisa umqondo wokuthi “okunengi” ne “okulidlanzana” Ukuwahla izandla amahlandla amanengi.... JAMA. Ukuwahla izandla amahlandla ambadlwana. Utijhera uwahla izandla bekube ka-10. Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi: khulu, ambadlwana Okuphathelene nokusikinyeka komzimba <ul style="list-style-type: none"> - Utijhere ubizela abafundi aba 5 ngaphambili begodu aragele phambili nokungezelela ngamunye kufikela enombonweni ye 10. - Abafundi babalela phezulu. <ul style="list-style-type: none"> Ku-5 naku-1 → 6 (Yithi: Kuhlanu nakunye kukunikela okusithandathu) Okusi-6 naku-1 → 7. Okuli-7 naku-1 → 8 Okubu-8 naku-1 → 9 Okuli-9 naku-1 → 10 - Utijhere ubuyisela abafundi eenhlalweni zabo begodu abafundi babale baye emuva. <ul style="list-style-type: none"> 10 khupha 1 → 9 9 khupha 1 → 8 10 khupha 2 → 8 	<p>Ilinga li-1</p> <p>lingoma nemilolozelo yeenomboro</p>
	<p>Ukusebenzisa izinto eziphathakako ezibusontathu (3-D) Abafundi bahlala emadeni. Umfundi ngamunye unezinto zokubala ezili -10 nesivalo seplastiki. Abafundi abalandele iinlayelo: - Paka izito zokubala ezi 6 esivalweni sakho. Ngeza ngazi 4 phezulu. Zingaki sezizoke? 6 naku 4 → 10 . - Paka 10 izinto zokubala. Khupha 5. Kusele zingaki? njli.</p>	<p>10 izinto zokubala zomunye nomunye umfundi</p> <p>limvalo zamaplastiki isib isivalo sesimumathi se-ayisikhrimu</p>

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangelasi esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		
linhloko	Amanothi athladhulako.	linsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
<p>1.13</p> <p>Ukuhlanganisa nokukhupha</p>	<p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Ukubala izinto ezibu 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 nawuvale izinto ezi-3 ,ubona zingaki? 10 khupha 3 → 7. Paka inani elifanako lezinto zokubala. 	<p>Amafletjhi karada weenthombe afaka hlangana iinomboro 1 ukuya e 10</p> <p>Izinto zokubala</p>	
<p>1.4</p> <p>Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko</p>	<ul style="list-style-type: none"> • Madanisa bonyana ngiliphi lamabuthelole 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 ngokusebenzisa imilolozelo neengoma zeenomboro.</p> <p>Ukuqinisekisa ukubala ngakubili ngokusebenzisa imilolozelo yeenomboro .</p> <p>Ukuqinisekisa umqondo wokuthi “okunengi” ne “okulidlanzana”</p> <p>Ukuwahla izandla amahlandla amanengi... JAMA.</p> <p>Ukuwahla izandla amahlandla ambadlwana. Utijherna uwahla izandla bekube ka-10.</p> <p>Buza imibuzo bonyana mangaki amahlandla wokuwahla amanengi khulu, ambadlwana</p> <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijherna ubeka abafundi abasi 6 ndawonyenge ngewupsini begodu afake abanye aba -4 ngakwenye iwupsi . - Utijherna uyababuza:” Kghani kunabafundi abanengi , abalidlanzana nofana abalinganako ngaphakathi kwenye nenye iwupsi na? - ”Abafundi bayathola bona ngiyiphi iwupsi ena “banengi kuna” ” dlanzana kuna” , na “elinganako” inomboro yaba fundi. 	<p>amawupsi ama-2</p>	<p>Ilanga li-1</p>

Iveke yama 39 Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)			
linhloko	Amanothi athladhulako.	Iinsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
1.4 Ukuhlathulula, ukumadanisa nokuhlela inomboro ngokupheleleko	<p>Ukusebenzisa izinto eziphathekako 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 / amabhlogo etafuleni - Utijhere uyababuza: “ kghani kunezinto zokubala ezingaphezu kwezili-7?” “zipheze zilingane, zidlula kancazana, zilidlanzana, zimbadlwana, zilingene, azikalingani?” - Utijhere uthi: “Hlola ipendulo yakho ngokubala izinto zokubala.” “Ukuqagela/ukufunisela kwakho bekuseduze kangangani?” <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Utijhere ubatjengisa amakarada amabili anenani elihlukileko lamadothi / lamaqatjhaza neenthombe kiwo. - Abafundi abamadanise amakarada aneenthombe namaqatjhazi begodu bakhombe / babone “okunengi kuna”, “okuncani kuna” noku “lingana na”. 	Izinto zokubala	
		Amakarada amabili anenani elihlukahlukileko lamaqatjhazi/ lamadothi neenthombe kiwo	

Iveke yama 39 Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangetlasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)	Iinsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
<p>linhloko</p> <p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<p>Amanothi athladhulako.</p> <p>Ukuhlathulula izinto ezimbili nofana ngaphezulu ezibusobuntathu 3-D lokha uzihlobanisa enye kwenye</p> <ul style="list-style-type: none"> • Qinisekisa Isincele ne Sokudla <p>Okuphathelene nokusikinyeka komzimba</p> <ul style="list-style-type: none"> - Utijhere ubeka iintepe zangakwesincele nezangakwesokudla zizombeze itlasi loke.  <ul style="list-style-type: none"> - Abantwana bayakhasa ngokukhambisa umkhono munye nedolo linye ngesikhathi esisodwa - Bakhamba phezulu kwazo isibonelo lokha nabaya esikotileweni sokuhlamba.  <p>Utijhere ubophela isitokana sewula ebovu esihlakaleni sangesidleni somfundi ngamunye . Utijhere unikela inlayelo.</p> <ul style="list-style-type: none"> - Phakamisa umlenze wakho wangesinceleni. - Beka inyawo lakho langesidleni phezu kwesitulo. - Thinta idolo lakho langesinceleni ngendololwani yakho yangesidleni. - Dosa indlebe yakho yangesandleni sesincele ngesandla sakho sokudla. - Beka isandla sakho sangesidleni phezu kwehloombe lakho langesinceleni, begodu nesandla sakho sangesinceleni phezu kwehloombe lakho langesidleni ngesikhathi esisodwa. - Zigone wena ngokwakho (udlule umuda waphakathi ongaphakathi.) 	<p>Ilanga li-1</p> <p>Ummerego wenyawo owenziwe ngephepha "lesincele" ne "lesokudla"</p> <p>Isitokana se wulu ebovu</p>

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangelanga (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		Ukulinganisa Ubude Besikhathi
linhloko	Amanothi athladhulako.	linsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
<p>3.1</p> <p>Ubujamo, ukujayeza nokubukela</p>	<p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Utijihere ubeka amakorikotana ali-7 phezu kwetafula. - Abafundi abajihona bona ngiyiphi inomboro engesinceleni saka ku -3, ngiyiphi inomboro engesidlani saka si -6, ngiziphi inomboro eziphakathi kwaka ku 3- nesi -6. - Ngiyiphi inomboro esekuthomeni begodu ngiyiphi esekugcineni.  <ul style="list-style-type: none"> - Utkijihere ubeka abonompopi / iinkoloyana aba/ ezi 3 nezambatho nofana umbala obonakala kuhle phezu kwe tafula. - Ubuza imibuzo efana nokuthi: <ul style="list-style-type: none"> o Ngimuphi unompopi/ ikoloyana engesinceleni ? o Ngimuphi unompopi/ ikoloyana engesidlani? o Ngimuphi unompopi/ ikoloyana ephakathi ? Ngimuphi unompopi/ ikoloyana esekuthomeni / esekugcineni? <p>Sebenzisa amajamo nofana iinthombe ezipheze ziphatheke ezibusobubili (2-D)</p> <ul style="list-style-type: none"> - Ngesikhathi SobuKghwari obuBonakalako, abafundi benza umgadangiso wepende ngokusebenzisa izandla zabo zangesinceleni nezangesidlani. - Sika begodu unamathisele etjhidini/ephapheni elitjengisa inyawo langesinceleni nelangesidlani. 	<p>Amakorikotana anomboriweko.</p> <p>Abonompopi nofana iinkoloyana ezintathu.</p>	
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<p>• Ukuzakhela amaphetheni wakho</p> <p>Ukusebenzisa izinto eziphathekako ezibusontathu (3-D)</p> <ul style="list-style-type: none"> - Abafundi bathoma ngokukopulula amaphetheni bawasusela emaphetheni abanikelwe wona. - Ekugcineni abafundi bazakhela amaphetheni wabo begodu bathathulule amaphetheni wabo. 	<p>Amakarada wobujamo namaphetheni</p>	<p>Ilanga li-1</p>

Iveke yama 39	Isikhathi Sokufundisa Esiphakanyisiweko: Isifundo sinye esihleliweko sangethasini esirholwa ngutijhere (indulungu) ± 30 yemizuzu ngelanga (± 5 imisetjenzana yeeMbalu ngeveke)		
linhloko	Amanothi athladhulako.	Iinsetjenziswa Eziphakanyisiweko.	Ukulinganisa Ubude Besikhathi
<p>2.1</p> <p>Amaphetheni weJiyomethri</p>	<p>Umsebenzi wephegi bhodi:</p> <p>Umfundi akathome ngokusebenzisa isandla sakhe sokudla bese alandelize ngesamdla sangesincele, bese kube ngizozombili ukubeka amaphegi ephegi bhodini</p> <ul style="list-style-type: none"> - Utijhere utjela abafundi bona bawabeke 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. - Utijhere utlama iphetheni elula ngama phegi ephegi bhodini yakhe, begodu abafundi bakopulula iphetheni yakhe bayikopululele emaphegi bhodini wabo. 	<p>Iphegi bhorodo namaphegi.</p> <p>Amaphetheni lapho abafundi kufanele bakopulule khona</p>	

Iveke yama 40	Sebenzisa iimveke ezili 40 ukutjheja ubuthakathaka bomqondo begodu / nofana iinqabi zokufunda ezitholakeleko.
Okumumethweko	Isihloko
Iinomboro , ama-Opharetjhini Nobudlelwana	1.1 Ukubala
	Ukulinganisa nokubala okungakahleleki ukufika e -10 (iingoma zeenomboros nemilolozelo ifakwe hlangana ukuthuthukisa umqondo wenomboro)
	Ukubala uye emuva naphambili (0-10)
	Ukubala ngakubili (lingoma nemilolozelo yeenomboro)
	Ukuzwisisa umqondo wokuthi “kunengi nolidlanzana” (ukuwahla)
	Ukuzwisisa bona ngiwaphi amahlandla wokuwahla abe manengi /mancani , manengi khulu, / mancani khulu
	Ukubona iinthombe zeenomboro nama karada wedothi /weqajhazi kusuka e 0-10.
	Ukwazi amatshwayo weenomboro 8, 9, 10 begodu ne 0.
	Ukukhumbula amagama weenomboro bunanae, lithoba, nejthumi nelize.
	Ukuqedelela ukulandelana kweenomboro okulula kusuka eenomborweni 1-10.
1.4 Ukuhlathulula, ukumadanisa begodu nokuhlela iinomboro	Ukukhumbula nokubona iinomboro ebujamweni obujayelekileko – isib. Unyaka, iregista..
	Ukuhlukanisa phakathi kokunengi, kuncani, kuyalingana, okunengi khulu nokumbalwa khulu kufikela enokmborweni li 10.
	Ukuzwisisa iinomboro sikhundla –wokuthoma, wesibili, wesithathu, weswine, wesihlanu, nowesithandathu.
Amathekiniki wokurarulula umraro	1.6
	1.7 & 1.13
	Ukuhlanganisa nokususa/ ukukhupha.
Amaphetheni ama-Fankjhini & Aljibra	2.1
	Amaphetheni weJiyomethri
Isikhala noBujamo (Jiyomethri)	3.1
	Ubuji, ukuzijayeza nokubukela
	3.2
	Izinto ezinobuso obuntathu (3-D)
	3.3
Amabumbeko anobuso obubili (2-D)	
Ukumeda	3.4
	Isimethri
	4.2
	Ubude

Ukuphatha Idatha	5.1 Ukubuthethelela nokuhlela izinto	Kghona ukubuthethelela, ukuhlela ngamaneko ukugwala, ukufunda nokujamisela, (tsenga) izinto ukuya ngakhunye okuphawulekako .
	5.2 Ukujamisela ibuthelole lezinto ezihleliweko	
	5.3 Ukucocisana nokuletha umbiko ngezinto ezisebuthelelweni eihleliweko.	

ISAHLUKO 4: NOKUHLOLA

4.1 ISINGENISO

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

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

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

EsiGabeni esisiSekelo, amathekhiniki aqakathekileko wokuhlola okuhlelekileko begodu nokungakahlelekileko alitjhejo lakatijhere, ukucocisana ngokomlomo, ukutjengisa ngokwenzekako, begodu nemitlolo erikhodiweko. Ukuhlola kweGreyidi R kufanele kube ngomlomo begodu kwenzeke.

4.2 UKUHLOLA OKUNGAKAHLELEKI NOFANA UKUHLOLWA KWANGAMALANGA

Ukuhlola okumayelana nokufunda kunomngqopho wokuragela phambili ngokubuthelela ilwazi ngalokho umfundi 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 ehlukeleko kunemisebenzi efundwako leyo efundwa ngetlasini. Ukuhlola okungakahleleki kurhebha utitjhere ukutjheja ituthuko yomfundi nokwenza imiyalelo ngesiquanto samalanga woke. Ukuhlola okuhlelekileko kusebenza:

- ukunikela umbiko obuyako ebafundini
- ukwazisa ukutlamela ukufundisa

kwesinye isikhathi utitjhere angalondoloza irhelo lokuhlola nofana aberegise itjhejuli yokuqala njengendlela yokurekhoda ikambiso yomfundi. Kwesinye isikhathi umfundi nofana utitjhere angatshwaya umsebenzi. Noma kunjalo ukuhlola okungakahleleki akubi yingcinye yerekhodi elihlelekileko lomfundi. Imiphumela yemisebenzi ehlolwa ngamalanga ayitjhejwa nakukhutjhlulwa abafundi kanye neenkambisweni zeentifikeyidi.

4.3 UKUHLOLA OKUHLELEKILEKO

Yoke imisebenzi ehlolwako ebumba ihlelo elihlelekileko lokuhlola mayelana nomnyaka ithathwa njengokuhlola okuhlelekileko. Imisebenzi yokuhlola okuhlelekileko iyatshwaywa bese itlola phasi ngutitjhere ngendlela ehlelekileko mayelana neragelo phambili kanye nomngqopho wesitifikeyidi. Ukuhlola okuhlelekileko kunikela abotitjhere indlela yerherho yokuhlunga ukuthi abafundi bathuthuka bunjani ngegryidini ngayinye begodu nasesifundweni esithize.

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

neminyaka begodu nezinga letuthuko elifanelekileko. Ubujamo bemisebenzi le kufanelel bulingane nokumumethweko kwesifundo ngeendlela ezihlukeneko.

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

- Abanye abafundi abanekghono lokufunda bayazazi iiMballo.
- Abanye abafundi ngeze babe sezingeni elamukelekileko 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 okuhlolwako lifanele liqalwe. Ilwazi elithileko begodu, amakghono ahloleka kuhle ngeendlela ezithileko zokuhlola. Imihlobo ehlukeneko yokuhlola ilungele amakghono begodu nemiqondo etlhogekako eenhlokwaneni ezihlukahlukene neenqhema zeminyaka ezihlukeneko. Kuyarhelebha ukusebenzisa irhelo lokuhlola ukuhlola ukulinganisa abafundi emagreyidini aphasii. Irubrikhi ingaberegiswa ukuhlola ikghono lomfundi ekurarululweni kwemiraro.

4.4 IHLELO LOKUHLOLA OKUHLELEKILEKO

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

Umsebenzi ngamunye wokuhlola okuhlelekile akukafaneli bona ubonwe njengesehlakalo 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 isehlakalo:

- Uqedelela ilandelano lokubala
- Ufunda nokutlola amatshwayo weenomboro
- Ukubala

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

4.5. UKUREKHODA NOKUBIKA

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

Ukubika yikambiso yokukhulumisana ngokusebenza komfundi kubafundi, kubabelethi, esikolweni kanye nabanye abahlanganyeli. Ukusebenza komfundi 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 ahlukeneko 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 OKUHLELEKILEKO SAMAGREYIDI R

Isibonelo samahlelo wokuhlola ukuhlola wamaGreyidi R anikelwe ngenzasi. Umnqopho kurhelebha abotitjhere ukuhlela nokwenza ukuhlola okuhlelekileko ngendlela eragako.

IGREYIDI R				
Irhelo lokuhlola leThemu yoku -1				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	√ or x	Imibono
Iinomboro, 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		
		Ukuzwisisa iinomborosikhundla (isib. ngesikhathi sangamalanga sokuya endlwaneni)		
	Ukubona ngelihlo lenqondo iinomboro	Ukuzwisisa 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 nangokugwala nofana izinto eziphathekako			
Amaphetheni namafanktjhini & Aljibra	Ukukopha, ukulula nokutlama amaphetheni wakho	Ufanisa amaphetheni ngebhoduluko		
		Ukukhopha, ukungezelela nokukwakha amaphetheni wakho		

IGREYIDI R				
Irhelo lokuhlola leThemu yoku -1				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	√ or x	Imibono
Isikhala nobujamo	Ukukhumbula, ukubona nokutjho izinto zobusobuntathu (3-D)	Ulemuka, afanise kunye nokupha amabhola amabizo		
		Ulemuka, afanise kunye 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 ezinghaphambili "ezinqotjhiweko" nalezo ezingemuva "ezingakanqotjhiweko"		
	Ubjamo bejyomethri	Ukufanisa alemuke indulungu		
		Ukufanisa alemuke uncantathu		
		Ukufanisa alemuke isikwere		
	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 - okukhulu nokuncani,		
		Umbala – imibala esiseko (bomvu,sarulani, luhlaza		
		Ubjamo – indulungu, uncantathu nesokwere		
		Into egedekako		
		Into etjhelelako		
	Ukubona umuda wesimethri ku	Ukulemuka umuda wesimethri kuwe		
	Ubudlelwano obuphathelele nesikhala: Ubjamo bezinto ezimbili nofana ezinengi ezinobudlelwane nomfundi	Ukwazi phambi kwe, emuva		
		Ukwazi phezu kwe, phezulkwa,ngaphasi kwa, ngaphasi		
		Ukwazi ngaphakathi, ngaphandle		
		Ukwazi phasi, phezulu		
	ikombatjhuba	Ukuzwisisa 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 (Ihlelo Langemihla)		
		Ukutjengisa nokulemuka amalanga weveke, iinkhathi zonyaka, nobujamo bezulu		
		Ukwazi ilanga lakho lamabeletho		
	Ubude			
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamela idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamela (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

IGREYIDI R				
Irhelo lokuhlola iThemu yesi-2				
Isifundo sokumumethwe	okumumethweko	Iinlinganiso zesiquntu	√ or x	Imibono
Iinomboro, 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” (ukuwahla)		
	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 kunye 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 nangokugwala nofana izinto eziphathekako		
		Ukurarulula ngomlomo umraro wokuhlukanisa nokuhlukanisa ukufikela ko 4		
Amaphetheni namafanktjhini & Aljibra	Ukukhopha, ukulula nokutlhama amaphetheni wakho	Ukukhopha, ukungezelela nokukwakha amaphetheni wakho (izinto, ubujamo neenhlamvu zemali)		
Isikhala nobujamo	Ukulemuka, ukufanisa nokutjho ubujamo babobusobubili (2-D), iinthombe	Ukwakha iphezele yeenquntu ezingaba 2		
		Ukubonisa ikghono lokuhlukanisa phakathi kwezinto “ezingaphambili nezingemuva” (buyelela uhlole)		
	Ubuujamo begeometry	Ukulemuka, ukufanisa nokutjho uncantathu		
		Ukuzwisisa iindlela ezingatjhugulukiko zikancantathu ukubumbeka okutjhejiweko)		
	Ukuhlathulula, ukuhlukanisa nokumadanisa izinto babobusontathu (3-D) ngokuya nge:	Ukumadanisa bona ngiziphi izinto ezimbili ezinikelweko eziikulu, ezikudlwana, ezincani/ ezincani khulu.		
		Ukuhlukanisa izinti nge Ubukhulu – okukhulu nokuncani		
		Imiibala - (bomvu, sarulani, lihlaza sasibbhakabhaka nokuhlaza satjani)		
		Ubuujamo		
	Ukwakha izinto ze 3D usebenzisa iinsetjenjiswa eziphathekako	Ukuhlola ngamabhlogo wokwakha		
	Ukubona umuda wesimethri e:	Ukubona umuda wesimethri kimi nasebhodulukweni lakho		
Ukukghona ukweqa umuda ophakhathi ukuya kwelinye ihlangothi				
Ubudlelwano obuphathelele nesikhala:	Ukuzwisisa ubujamo bezinto ezimbili nofana ezinengi ezinobudlelwane nomfundi - phezu, ngaphasi			

IGREYIDI R				
Irhelo lokuhlola iThemu 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 nokujamela idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamela (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

IGREYIDI R				
Irhelo lokuhlola iThemu yesi-3				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	√ or x	Imibono
Iinomboro, ama-Opharetjhini nobudlelwana	Ukubala	Ukulinganisa nokubala ngehloko kufikela ku 7 (umvumo weenomboro nemidunduzelo kufakiwe ukuthuthukisa umqondomboro)		
		Ukubalela emuva naphambili (1-7)		
		Ukuzwisisa bona ngiwaphi amawahlo amanengi/amancani		
	Ukulemuka iinomboro	Ukulemuka iinombore ngebujameni obujayelekile -isib. ubudala, irejista (hlola godu)		
	Ukubona ukuhlathulula iinomboro ezizeleko	Ukufanisa iinomboro zeenthombe namakarada wamaqatjhazi ukufikela ku 7		
		Ukwazi iphawu leenomboro 5, 6, 7		
		Ukulemuka amabizo weenomboro hlanu, ssithandathu, likhomba		
	Ukubona ngelihlo lenqondo iinomboro	Ukuhlukanisa phakathi kobunengi, ubuncani, okulinganako nokumbadlwana ukufika ku 7		
		Ukulemuka umbala begodu neembandana ezihlukeneko emalini yephepha yangeSewula Afrika		
	Ukurarulula imiraro	Uberegisa iinsetjenjiswa eziphathekako Uhlathulula ukucabanga kwakhe ngamagama nangokugwala nofana izinto eziphathekako		
Ukurarulula ngomlomo umraro wokuhlanganisa nokuhlukanisa ukufikela ko 7				
Amaphetheni namafanktjhini & Aljibra	Ukukhopha, ukulula nokuthama amaphetheni wakho	Ukukopulula, ukungezelela nokukwakha amaphetheni wakho		

IGREYIDI R				
Irhelo lokuhlola iThemu yesi-3				
Isifundo sokumumethwe	okumumethweko	linlinganiso zesiquntu	√ or x	Imibono
Isikhala nobujamo	Ukulemuka, ukufanisa nokutjho ubujamo obubusobubili (2-D), iinthombe	Ukwazi ukwakha iphezele yeenquntu ezingaba li 12		
	Ubuujamo begeometry	Ukulemuka, ukufanisa nokutjho isikwere		
		Ukuzwisisa iindlela ezingatjhugulukiko zobujamo obufundiweko ukufika nje (Ibumbeko elithhogonyelwako)		
	Ukwakha izinto ze 3D usebenzisa iinsetjenziswa eziphathekako	Ukwakha ususela esibonelweni somakhiwo onikelwe sona		
		Ukukupulula umakhiwo awususela emtlameni nofana ekaradeni lesithombe		
	Ubudlelwano obuphathelene nesikhala	Ukuzwazi ubujamo bezinto ezimbili nofana 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	Ukuzwisisa imiqondo “ukukhanya, ubudisi, ubulula, okulula khulu, okubudisi khulu”		
	Umthamo	Ukuzwisisa 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				
Irhelo lokuhlola iThemu 4				
Isifundo sokumumethwe	okumumethweko	Iinlinganiso zesiquntu	√ or x	Imibono
Iinomboro, ama-Opharetjhini 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 ngebujameni obujayelekile -isib. ubudala, irejista		
	Ukubona akuhlathulula iinomboro ezizeleko	Ukubona iinomboro zeentombe namakarada wamaqatjhazi 0-10		
		Ukwazi iphawu leenomboro 8, 9, 10 ne 0 begodu		
		Ukulemuka amabizo weenomboro bunane, lithoba. Itjumi nelize		
		Ukuqedelela ukulandelana kweenomboro ezilula ukusukela ku 1-10		
	Ukubona ngelihlo lenqondo iinomboro	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 nangokugwala nofana izinto eziphathekako		
Ukurarulula ngomlomo umraro wokuhlanganisa nokuhlukanisa ukufikela e- 10				
Amaphetheni namafanktjhini & Aljibra	Ukukhophha, ukulula nokutlhama amaphetheni wakho	Ukukhophha, 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		
	Ubuujamo bejiyomethri	Ukulemuka, nokufanisa isikwere, uncantathu, isikwere noncamane		
	Ukulemuka umuda wesimethri e:	Ukulemuka umuda wesimethri ezintweni		
	Ubudlelwano obuphathelele 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, ngesinceleni nangesidleni			
Ukumeda	Ubude	Ukuzwisisa bona izinto nazo ziyalinganiswa kuberegiswa isilinganisi		
Ukuphatha idatha	Ukubuthelela, ukuhlukanisa, ukugwala, ukutlola begodu nokujamela idatha	Ukukghona ukubuthelela, ukuhlukanisa, ukugwala, ukutlola nokujamela (ukuhlaziya) izinto ngokuya ngomfanekiso munye		

ISILINGANISI SOKUGCINA:

