



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

UKUHLOLWA KWELIZWE LOKE KOMNYAKA

IGREYIDI 3

IIMBALO-ISINDEBELE

ISEDE 3: 2012 ISIBONELO

UMHLAHLANDLELA WOKUSETJENZISWA KWEEMBONISO ZE-ANA

1. Umbonomazombe ngokuvamileko.

Ukuhlolwa kwelizweloke komnyaka ANA kukuhlolwa okuphethako kwelwazi namakghono alindeleke bonyana abafundi bafanele ukube sele bawathuthukisile ekupheleni kelinye nelinye iGreyidi lo-1 ukuya kele-6 nele-9. Ukusekela ukuhlolwa kwabo kwesikolweni begodu nokuqinisekisa bonyana bazuza ukuzithemba okuthogekako ukuze bazibandakanye ngepumelelo ekuhlolweni kwangaphandle, isiqhema sabotitjhere nezazi kwezefundo benze iimboniso zemibuzo yokuhlola ezingasetjenziswa botitjhere eemfundweni zeLimi neemBalo. Imibuzo yeemboniso zokuhlola yenziwe yasuselwa emsebenzini wekharikhyulamu ohlanganisa amaThemu 1, 2 neye-3 womnyaka begodu nesihlahlubo esipheleleko esisitjengisa ngendlela ka-ANA senye nanye igreyidi sinikeliwe. Iimboniso, ezifaka hlangana ukuhlahluba okutjengisako koku-ANA, kungezelela eenhlahlubeni okufanele zenziwe bafundi ngokuragako azijamiselele ukuhlola kwangamalanga.

2. Isakhiwo semibuzo yesiboniso

Iimboniso zitlanyelwe ukutjengisa amatheknikhi nofana iindlela ezihlukahlukene zokuhlola amakghono afanako namkha/nofana ilwazi. Njengokuthi, ilwazi elinqophileko lokumumethweko namkhaikghono lingahlolwa ngendlela yombuzo wokukhetha ipendulo eempendulweni ezinengi (lapho abafundi bakhetha khona ipendulo enembacko eempendulweni ezinikelweko) nofana isitatimende (esifuna abafundi batlole ipendulo efitjhani nofana isigaba) nofana eminye imihlobo yemibuzo efuna bonyana abafundi bahlanganise amagama / isitatimende nemida, ukuqedelela imitjho nofana amaphetheni anikelweko, ukutjengisa iimpindulo ngemigwalo nofana ngesiketjhi, njll). Ngalokho-ke abotitjhere bazokuthola imihlobo eminengi yemibuzo yeemboniso eyakhiwe ngeendlela ezihlukene nokho zibe zinqophe kokumumethweko begodu namakghono afanako. Ukuvezelwa emihlotjeni neendleleni zemibuzo ezihlukahlukene namkha iintayelakunikela abafundi ukuzithemba okudingekako ekuphenduleni ama-ayithemu zokuhlola ahlukahlukene.

3. Ukuhlanganisa nezinye iinsetjenziswa zokufunda nokufindisa.

Ngokuhlanganisa okudingekako, amanye amatheksti weemboniso neminye imibuzo kuhlanganiswe neencwadi zokusebenzela ezikhambelana negreyidi. Iimboniso zinqotjhiswe neemfuneko zesiTatimende seKharikhyulamu seLizweloke amaGreyidi R-12 (TKZ), Ukunikela kwesiTatimende somThetho-Kambiso weKharikhyulamu nokuHlola (TTKH), emagreyidini afaneleko ne National Protocol for Assessment. Imittlo le, ukufaka hlangana nanyana ngiziphi ezinye ezinganikelwa sikolo, zinikela isisekelo seensetjenziswa esinohlelo esingarhelelwa abotitjhere ekuhloleni iimfundo nekwenzeni ukuhlola okuhleliweko.

4. Zingasetjenziswa bunjani iimboniso

Njengombana iimboniso zamagreyidi nezeemfundo sele zenziwe zaba yisede yinye ehlangeneko, utitjhere akufaneli kobana anikele abafundi yoke isede bonyana bayiphendule ngesikhathi esisodwa. Utitjhere kufanele akhethe imibuzo ekhambelana nesifundo esihleliweko nanyana kukunini. Iimboniso zemibuzo ezikhethwe ngokuyelela ezikhamba ngamunye nofana imibuzo ekhamba ngeenqhema, ingasetjenziswa emazingeni ahlukahlukene wendlela yekambiso yokufundisa nokufunda elandelako:

4.1 Ekuthomeni kwesifundo njengokuhlolwa kweemboniso ukubona ubukghoni nokubhalelwa kwabafundi.

Ukuhlolwa kweemboniso (diagnosis) kufanele kuveze umbiko obuyako ebafundini nekuhloleni kweemfundo ezifaneleko ezizokuveza ukungakghoni begodu kuqinise ubukghoni. Ukuhlolwa kweemboniso kunganikelwa njengomsebenzi owenziwa ekhaya ukubulunga isikhathi semilayelo ngetlasini.

- 4.2 Phakathi kwesifundo kungasetjenziswa ukuhlola okusisekelo (formative) ukuhlola bonyana abafundi bayathuthuka elwazini nemakghonweni anqotjiweko njengombana isifundo siragela phambili bekuqinisekiswa bonyana akunamfundi osalelako.
- 4.3 Ekupheleni kwesifundo nofana kweemfundo eziimbalwa kwenziwe **ukuhlolwa ukuphethako** ukuhlola bonyana abafundi bathole ukuzwisisa okwaneleko begodu bayakghona ukusebenzisa ilwazi namakghono atholwe/afundwe eemfundweni esele ziqediweko. Abafundi bafanele banikelwe **umbiko obuyako** njalo njalo, ngesikhathi utitjhere athatha isiqu nto sokobana mhlawumbe kuneengcinye zesifundo ezidinga ukubuyelelwa **ukuhlanganisa** ilwazi namakghono athileko.
- 4.4 Kiwo woke amazinga kufanele abafundi bavezelwe amathekniki ahlukahlukene wokuhlola nofana wokubuzwa, isib. ukuphendulwa kwemibuzo ema- multiple choice (MC), open ended (OE) nofana imibuzo ema-free-responses (FR), imibuzo eneempendulo ezitijhane, njll.

Lokha ukuhlola okuhlalubako nokusisekelo kukufutjhane (formative test), ukuhlola okuphethako (summative) izokufaka imibuzo eminengi abafundi bebafike emibuzweni ezeleko (Full Test) kuzokuya ngomsebenzi owenziweko ngesikhathi esithileko. Into eqakathekileko kuqinisekisa bonyana abafundi babanesikhathi esaneleko sokuzijayeza ukuphendula imihlobo yokuhlola efana nendlela yokuhlolwa ko (ANA).

5. **Imemorandamu nofana umhlahlandlela wokutshwaya**

Isibonelo esifaneleko sependulo elindelekileko (imemorandamu) yomunye nomunye umbuzo weemboniso (exemplar) inikelwe begodu neyemibuzo ye-ANA. Abotitjhere bafanele bayelele bonyana imemorandamu ingeze yaphela. Imemorandamu inikela imithetho enabileko yeependulo ezilindelekileko begodu abotitjhere bafanele baqalisise bebanikele ngokweendlela ezivumelekileko nangeendlela ezihlukene zeempendulo ezilindelekileko ezinikelwa bafundi.

6. **Ukuqedwa kwekharikhyulamu**

Kuqakatheke khulu bonyana ikharikhyulamu yenziwe ngokuzeleko keline nelinye itlasi. Imboniso zeline nelinye igreyidi nesifundo azikajamiseleli yoke ikharikhyulamu. kukhethwe kwaphela ilwazi namakghono begodu nomsebenzi othatha amathemu 1,2 neye-3 yomnyaka lowo kwaphela. Ukuhleleka komsebenzi okufanele wenziwe ngokuya kwamathemu uvezwe incwadini yeTTKH.

7. **Isiphetho**

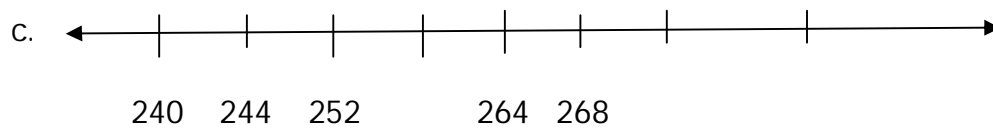
Umqopho womNyango wezefundo kuthuthukisa amazinga nekhwalithi yokusebenza kwabafundi emakghonweni asisekelo welitheresi nenumeresi. I-ANA ngenye yeendlela umNyango wezeFundo oyisebenzisako ukulandelela ukubona bonyana ukusebenza kwabafundi kuyathuthuka, bujame ndawonye nofana kutjha phasi. Amadistrigi /iinyingi neenkolo kulindeleke bonyana zilekelele abotitjhere bekunikelwe neesetjenziswa ezifaneleko ukuthuthukisa ukukghonakala kokufundisa nokufunda eenkolweni. Ngokusebenzisa iimboniso zika-ANA njengengcinye yeensetjenziswa zabo zokufundisa, abotitjhere bazokulekelela abafundi bonyana bajayele iindlela namathekniki ahlukahlukene wokuhlola. Ngokusetjenziswa okufaneleko kweemboniso kufanele kulekelele abafundi bathole ilwazi nokuthuthukiswa kwamakghono afaneleko wokufunda ngokufaneleko bebasebenze ncono ekuhlolweni okulandelelako kweenhlahlubo zika-ANA.

Iinomboro, Iimbalo nobudlelwano

1. Tlola iinomboro ezitj hodako.

a. 350; 450; _____ ; 650; _____ ; _____ ; 950

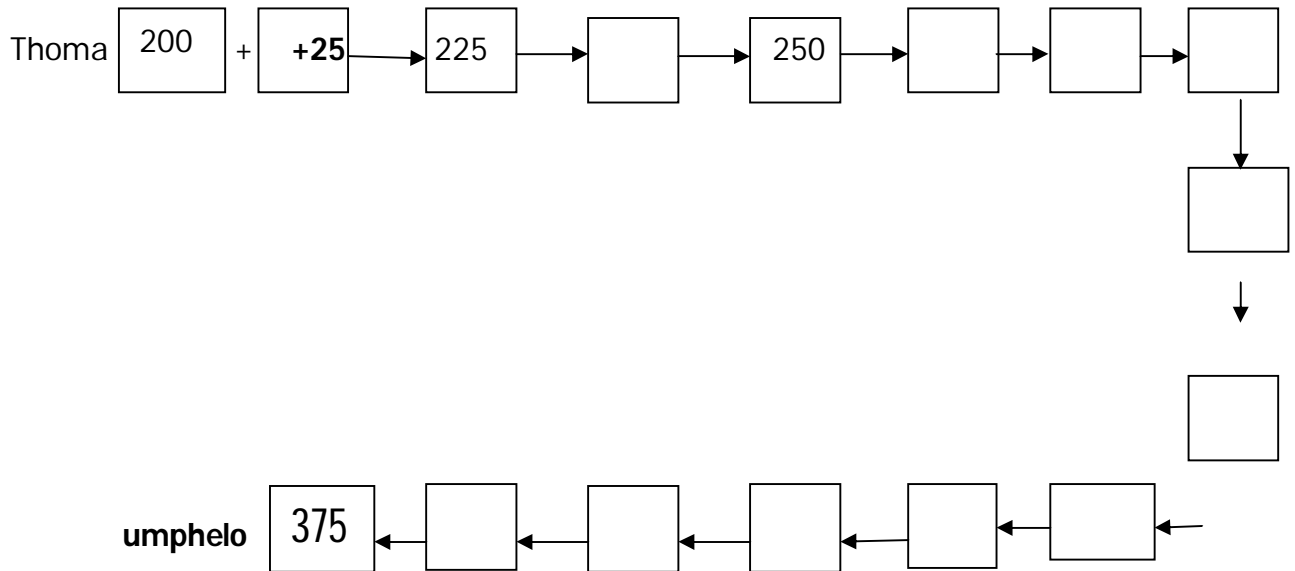
b. 500; _____ ; 498; 497; _____ ; _____ ; 494



2. Qedelela ithebula.

a	50					300		400		
b		126	129				141			
c	498					488				
d	205				225					250
e		312		310	309				305	

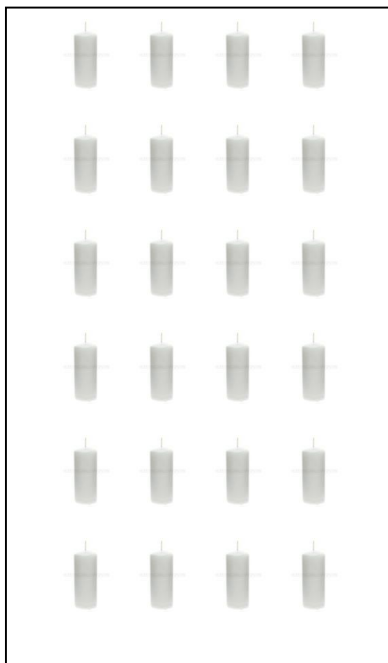
3. Landela iinkomba bese bese utlola iinomboro ezitj hodako ngemabhoksini.



USana usebenza ebubuwleni lamakhandlela. Upaka amakhandlela alitj humi ngebhoksini.

I nomboro epakwe ngemabhoksini ali-15 = _____.

5. Qala inqhema zamakhandlela esithombeni esilandelako bese uphendula imibuzo.



- a. Mangaki amakhandlela aserhemeni elij ame rwe? _____
- b. Inani lamakhandlela asesithombeni = _____

6. Tlola igama leenomboro ngayinye kezilandelako.

- a. 473 _____
- b. 204 _____

7. Tlola igama lenomboro netshwayo layo yenomboro phakathi kwama-268 nama-270.

a. I tshwayo lenomboro ngu _____ .

b. Igama lenomboro yi _____

8. Tlola igama lenomboro ama-780 _____

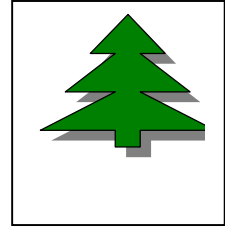
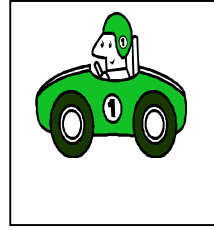
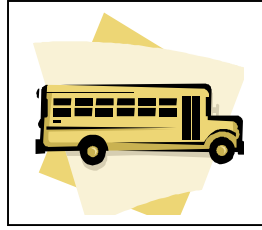
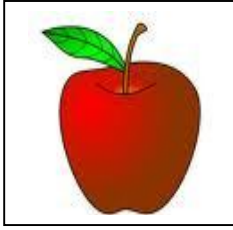
9. Madanisa elinye nelinye igama lenomboro netshwayo lenomboro ekungiyi ngokudweba umuda hlangana nazo.

Amakhulu amathathu namatj humi	160
asithandathu nakunye	480
Amakhulu amabili netj humi	361
Amakhulu amathathu nesithandathu	306
Ikhulu namatj humi asithandathu	210
Amakhulu amane namatj humi abunane	

10. Tlola iinomborosikhundla ezilandelako ngerhelo uthome ngencani.

13th, 31st, 28th, 6th, 2nd

11.



Qala iinthombe ezingehla. I koloji ingakuliphi ibhoksi ukusuka ngakwelesincele?

I koloji ingebhoksini _____ ukusuka ngesinceleni.

12. Zalisa nge $>$ nofana $<$ ukwenza omunye nomunye umuda wenomboro ube liqiniso.

- a. 613 _____ 731
- b. 490 _____ 290
- c. 327 _____ 732

13. **Zungeleza iledere elinependulo ekungiyi.**

- A $472 > 742$
- B $399 < 500 + 99$
- C $221 = 122$
- D $749 > 750 - 1$

14. Tlola iinomboro ezinikelweko ukusuka kwengencani ukuya kwengekulu

a. 631 , 366 , 613 , 376 , 276 , 167

b. 742 , 422 , 472 , 727 , 442 , 247

15. Zalisa ngeenomboro ezitj hodako.

a. 673 = _____ + 3

b. 417 = 410 + _____

16. Tlola phasi ubungako bedij idi ethalelweko enomborweni ngayinye.

a. 472

b. 27

17. Ema-694 kunamatj humi ama- 69. Ingabe lokhu

liqiniso nofana mamala? _____

18. Thalela ipendulo ekungiyi. Enomborweni 374, 3 yindawo yobungako be.

a. tj humi

b. khulu

c. iyunithi

19. Hlukanisa ama-573 ngeendlela ezi-2 ezihlukeneko.

573 = _____

573 = _____

20. Tlola iinomboro ezitj hodako nofana amagama ngemabhoksini.

a. $298 =$ Amakhulu + amatj humi + amayunithi.

b. $310 = 3$ + 1 + 0

21. Madanisa iinomboro neenomboro zamakarada ekungiw.

316
128
411
269

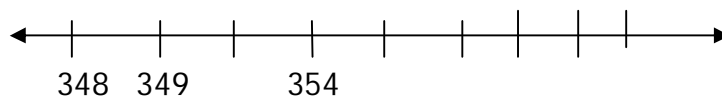
40	1	10
200	60	9
10	300	6
8	20	100

22. Tlola $10 + 7 + 300$ ngendlela elula.

23. Zalisa iinomboro ezitj hodako.

	Inomboro ebuyelelweko	Inomboro	Isiquntu senomboro
a.		150	
b.		84	
c.		21	

24. Tlola ama-352 endaweni eFaneleko enambalayinini.



25. Tj hideza inomboro ngayinye eduze netj humi.

a. $62 =$ _____ eduze netj humi.

b. $127 =$ _____ eduze netj humi.

26. Utitj here ubawe abentwana bakhe bona babuthelele iimvalo zamabhodlelo ngepelaveke. USesi ubuthelele iimvalo ezima-619 bese uLusi wabuthelela ezi-125. Zingaki iimvalo zamabhodlelo ezibuthelelwe nguSesi noLusi nazihlanganisiweko?

27. U-Anna nabangani bakhe aba-3 babuthelele iintembu ukwenzela umdlalo abawudlalako. Omunye nomunye ubuthelele iintembu ezima-23. Ziingaki iintembu abazibutheleleko nazihlanganiswe ?

28. Utitj here uze namabhisikidi ama-45 esikolweni. Ufuna ukunikela ngokulinganako inomboro yamabhisikidi ebentwaneni aba-4 abafike ekuseni kunabanye esikolweni. Umntwana ngamunye uzokuthola amabhisikidi amangaki?

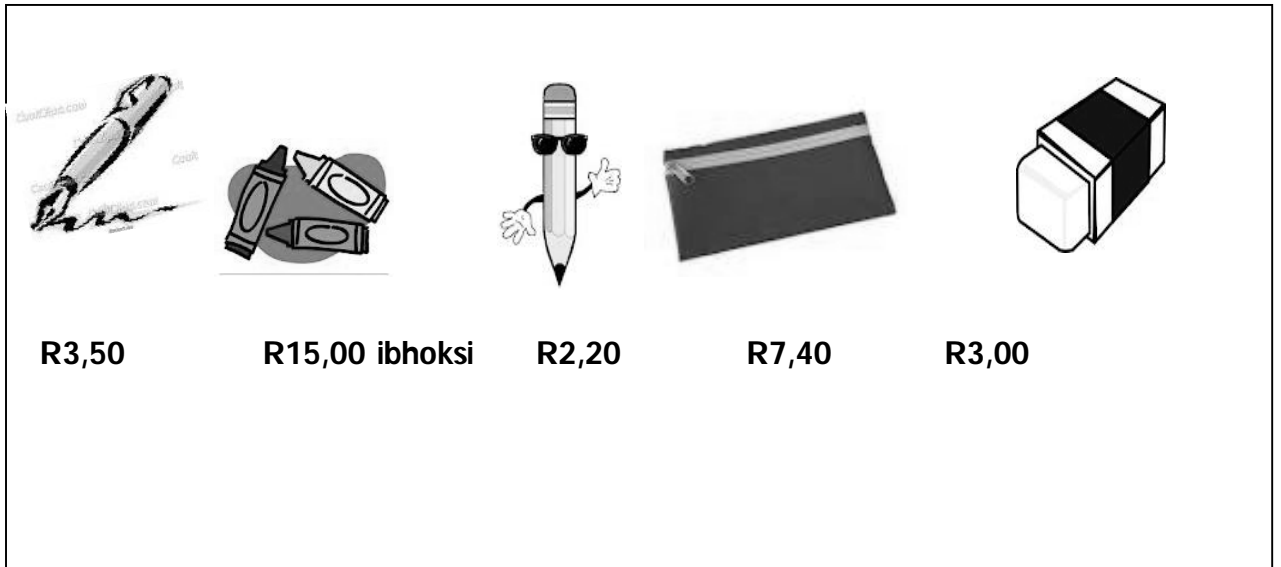
29. Hlukanisa amamabula ama-68 ngokulinganako phakathi kwakaThemba nomnganakhe. Munye uzokuthola amamabula amangaki?

30. Abangani abathathu bathenga amaswidi ama-35 abazozihlukanisela wona ngokulinganako. Munye uzokuthola amaswidi amangaki?

31. UBusi unamamabula ali-125. Amamabula wakhe angaphasi ngama-82 kunewaka Vele. UBusi unamamabula amangaki?

32. Ephageni yeShoprite kuneenkoloji ezi-21. Kunamavilo amangaki nasifaka hlangana neenteringhi?

33. Sebenzisa irhelo leentengo elilandelako ukuphendula imibuzo.



a. Ungangani umehluko phakathi kwentengo yepeni neyepensela?

b. USani uthenge iimpeni ezi-2, ipensela, iraba nekasana yeempensela. Usebenzise malini nasele ihlangene?

c. Utitj here ufuna ukuthenga amabhoksi ama-2 wamakhrayoni, iimpeni ezi-2 neempensela ezi-2. Bala itj hentji yakhe nangabe ubhadela nge-R50.

d. UMusa uthenga amabhoksi amangaki wamakhrayoni nakabhadela ama-R60?

34. Qedelela okulandelako:

a. $763c = R$ _____

b. $207c = R$ _____

c. $579c = R$ _____

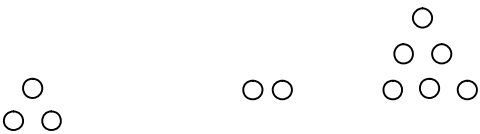
d. $R2,63 =$ _____

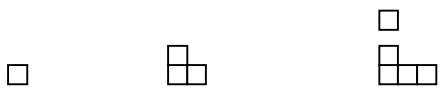
e. $R6,15 =$ _____ c

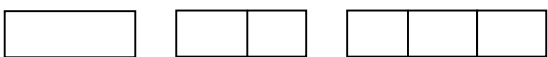
f. $R4,25 =$ _____

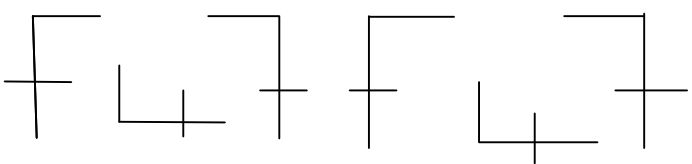
Amaphetheni , Itj hebiswano leembalo ne-Aljibra

1. Dweba ibumbeko elilandelako lephetheni

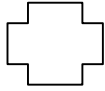
a.  _____

b.  _____

c.  _____

d.  _____

2.



Sebenzisa amabumbeko angehla ukwenza iphatheeni yakho. Buyelela iphetheeni yakho kuze kube ka-3.

3. a. Tlola iinomboro ezi-3 ezilandelako.

526, 527, 528, _____ , _____ , _____

Hlathulula iphetheeni le ngawakho amagama.

b. Zalisa iinomboro ezitj hodako elandelanweni.

738, 736, 734, _____ , _____ , _____ , 726

Hlathulula iphetheeni le ngawakho amagama.

4. Umpaki ufuna ukupaka amabhlege weenselo ezimakhaza ngemagreyidini.

Igreyidi elilodwa liphattha iinselo ezimakhaza ezi-25.

Qedelela ithebula.

Inomboro yamagreyidi	1	2	3	4		6
Inomboro yamabhlege	25	50		100	125	

5. Thoma ngenomboro enikelweko, yenza iphetheni yakho bese uhlathulula umthetho owusebenzisileko.

a. 330, _____ , _____ , _____ .

Umthetho engiwusebenzisileko : _____

b. 504 , _____ , _____ , _____ .

Umthetho engiwusebenzisileko:

1. Isikhala neBumbeko

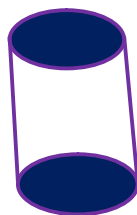
Zungeza iledere elinependulo ekungiyi.

Ngiziphi izinto ezisikurwana (cone) kwezilandelako?

A.



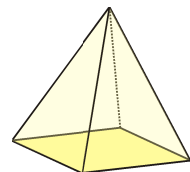
B.



C.

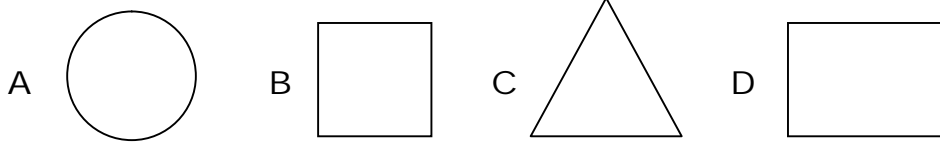


D.

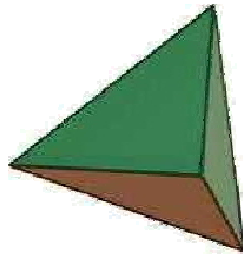


1. Zungeza iledere elinependulo ekungiyi.

Ngiwaphi amabumbeko amahlangothimabili (2-D shapes) asetj enzisiweko ukwenza isikwere esisuselwe kumgoloj o?

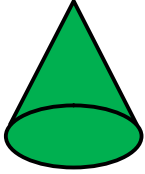
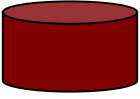

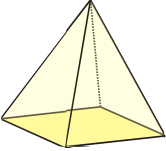


2. Hlolisa umdwebo bese uphendula imibuzo elandelako.



- a. Ubizwani umdwebo ongehla lo _____
- b. Umdwebo ongehla unamahlangothi amangaki? _____

1. Thala umuda umadanise elinye nelinye ibumbeko negama lalo.

	Isikwere esisuselwa emgolojeni
	Isikurwana (Cone)
	Iphrizimu ehlangothine
	Isilinda

1. **Isilinganiso**

Ngiyiphi iyuniti yokulinganisa ongayisebenzisa nawumeda

a. Ubude bencwadi? _____

b. Ububanzi beklasi lokufundela? _____

2. Funda ikhalenda engenzasi bese uphendula imibuzo elandelako.



- a. Iinyanga ezinamalanga ama-30 zi _____
- b. Inani lamalanga emnyakeni oj wayelekileko
a = _____
- c. Inomboro yaboMgqibelo ngoJulayi = _____
- d. Inomboro yeemveke emnyakeni = _____
- e. Inomboro yeenyanga emnyakeni = _____
- f. Inomboro yamalanga phakathi kwelanga labasebenzi nelanga labatj ha =

3. Qala ekhalendeni esembuzweni wesi-2 bese uqedelela ithebula.

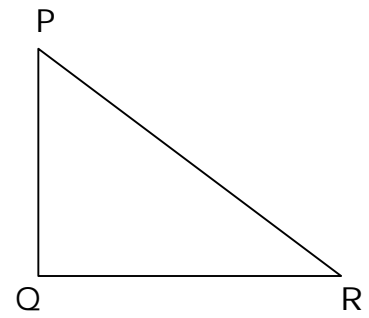
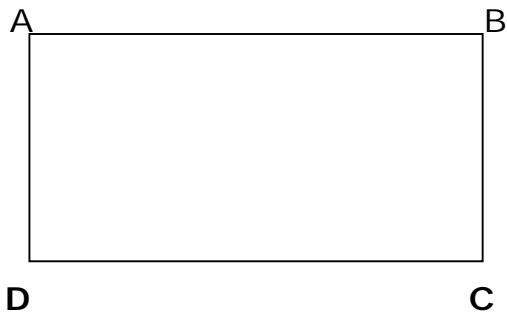
Ilanga		I holidayi Yomphakathi weSA	Ilanga ekhalendeni
a	01 January 2012	Ilanga lokuthoma komMnyaka Omutj ha	
b	21 March 2012	Ilanga Lamalungelo Wabantu	
c	01 May 2012	Ilanga Labasebenzi	
d	16 June 2012	Ilanga Labatj ha	

4. Amalanga ama-42 alingana neemveke ezi_____.

5. Iinyanga ezi-4 zilingana neminyaka _____.

6. Qedelela: Nangabe ilithi lamaminithi ewatj hini likhombe e-10, likhombisa
_____ nofana_____

7. Thoma ngokulinganisa bese usebenzisa irula ukumeda ubude behlangothi ngalinye bemifanekiso elandelako ngamasentimitha. Tlola ipendulo ethebuleni.



	Amahlangothi	Isilinganiso	Isilinganiso Samambala
a	AB		
b	BC		
c	DC		
d	AD		
e	PQ		
f	PR		
g	QR		

8. Bala inani lobude uzungeze isibumbeko ngasinye esisembuzweni wesi-6.

a. I bumbeko elimahlangothimane ABCD, inani lobude = _____

b. I bumbeko elinguncantathu PQR, inani lobude = _____

1. **Ukuphathwa kwedatha**

USana urekhode iinlinganiso zamanyathelo zabefundi afunda nabo egreyidin lesi-3 ngendlela elandelako:

I Nomboro yabafundi abafaka isayizi 3 yamanyathelo =

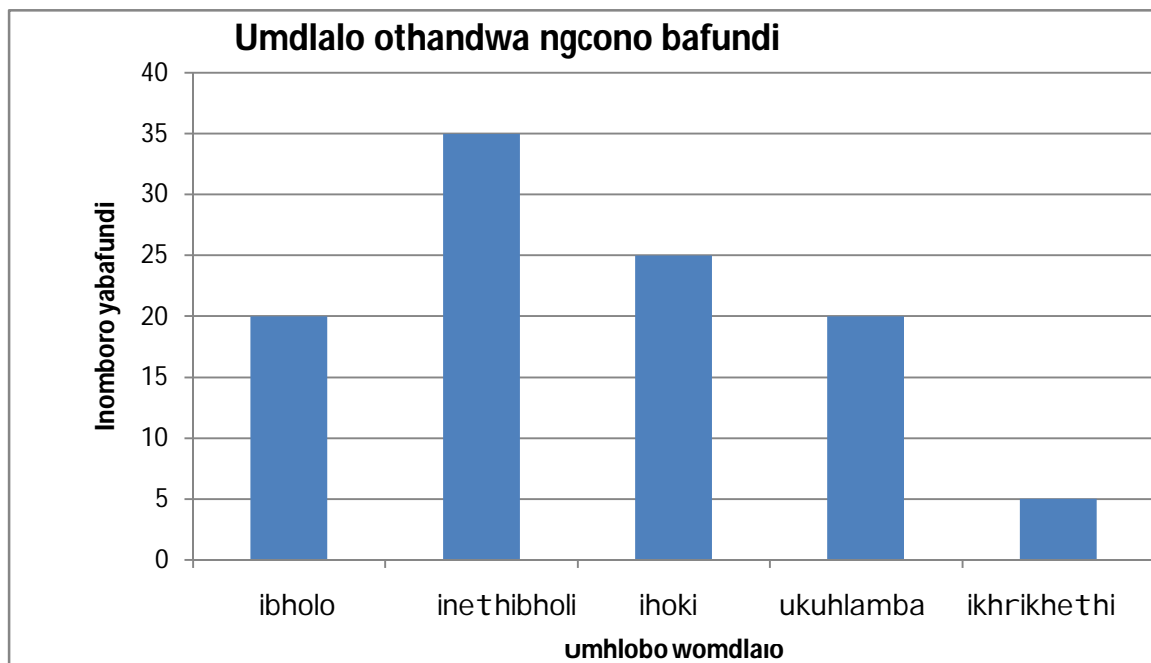
4 = _____

5 = _____

6 = _____

7 = _____

1. Dweba igrafu yebha ukhombise ilwazi.
2. Qala igrafu yebha engenzasi bese uphendula imibuzo.

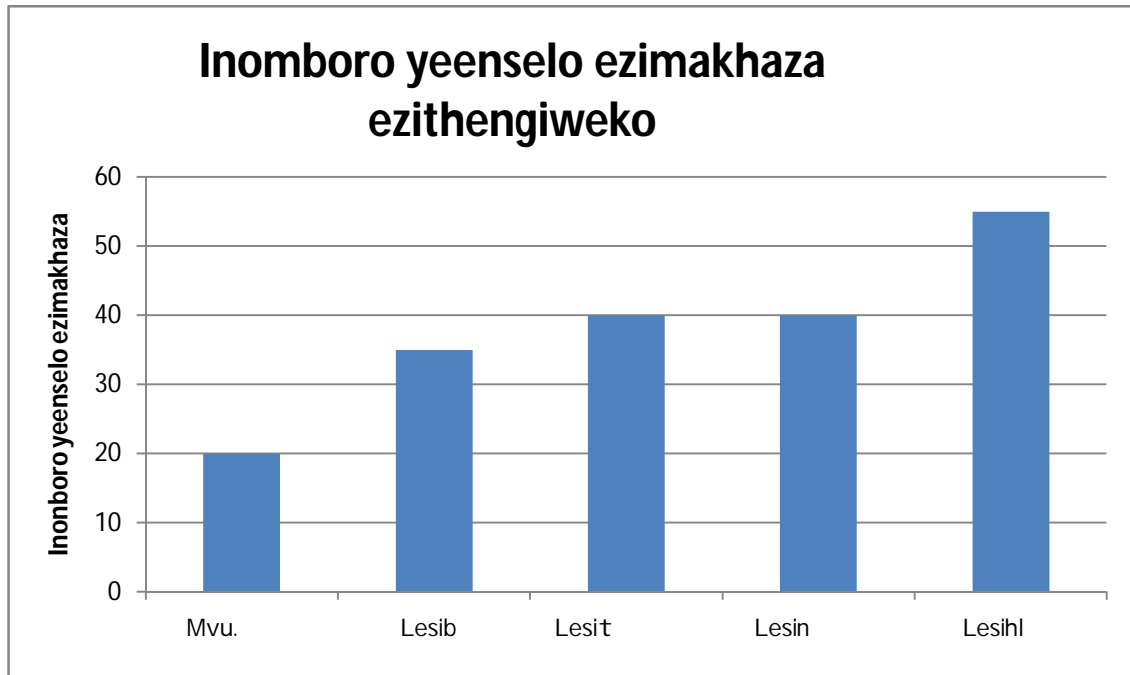


- a. Bangaki abafundi abakhetha ihoki? _____.
- b. Inomboro yabafundi abakhetha ikhrikhethi ba _____.
- c. Umhlobo womdlalo okhethwa bafundi ngobunengi yi ____.
- d. Umhlobo womdlalo okhethwa bafundi ngobuncani yi_____.

e. Ngiyiphi imihlobo emi-2 yemidlalo ekhethwa bafundi ngokulinganako?

_____ .

3. Igrafu eyibha elandelako ikhombisa inomboro yeenselo ezimakhaza uSipho azithengisa esitolo sakhe esisesikolweni ngeveke.



a. Inomboro yeenselo ezimakhaza azithengise ngoMvulo zi = _____

b. Ilanga okuthengwe ngalo iinselo ezimakhaza ezinengi kungele _____

c. Inomboro yeenselo ezimakhaza ezithengiswe ngoLesihlanu zi = _____

d. Ungangani umehluko weenselo ezimakhaza ezithengiswe ngoLesihlanu naziqathaniswa nezithengiswe ngoLesine? _____