



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

LUHLOLO LWEMNYAKA LWAVELONKHE

LIBANGA 2

TIBALO

ISETHI 3: 2012 SIBONELO

TINKHOMBANDLELA TEKUSETJENTISWA KWETIBONELO TELUHLOLO LWAVELONKHE LWEMNYAKA (ANA)

1. Sibutsetelo lesivamile

Luhlolo Lwavelonkhe Lwemnyaka (ANA) luhlolo lwelwati nemakhono lekulindzeleke kwekutsi atfutukiswe kubafundzi ekupheleni kwemnyaka emabangeni 1- 6 kanye nelibanga 9. Kusekela luhlolo lwabo lolugcile etikolweni nekucinisekisa kwekutsi bafundzi batfola kutetsemba lokudzingekako kute bahlanganyele ngemphumelelo kuluhlolo lolusuka ngaphandle, litsimba labothishela kanye nabochwepheshe betifundvo bahlangene kute bahlanganise sibonelo semibuto yesivivinyo lesitawusetjentiswa ngubothishela kutifundvo tabo teLulwimi kanye neteTibalo. Sibonelo semibuto yesivivinyo leniketiwe, isuselwe emsebenzini wekharikhulamu lofaka ekhatsi umsebenzi wemaThemu 1, 2 kanye na 3 wemnyaka wesikolo kanye nesifanekiso sesivivinyo lesiphelele seLuhlolo Lwavelonkhe Lwemnyaka (ANA) welibanga ngalinye. Letibonelo, letifaka ekhatsi sifaniso sesivivinyo seLuhlolo Lwavelonkhe Lwemnyaka (ANA), tichibela luhlolo loluchubekako lolugcile etikolweni lokumele kwekutsi bafundzi bandlule kulo, letibonelo atiyitsatsi indzawo yeluhlolo loluchubekako.

2. Kwakheka kwetibonelo temibuto

Letibonelo ticondize kubonisa emasu netindlela letehlukene tekuhlola emakhono kanye/nobe nelwati. Uma ngabe lolunye lwati lwalokucuketfwe nobe likhono kungahlolwa ngekusebentisa umbuto locuketse timphendvulo letinyenti (lapho umfundzi kumele akhetse imphendvulo lekunguyona mbamba kuleto letiniketiwe) nobe sitatimende (lesidzinga kwekutsi bafundzi babhale imphendvulo kuphela kumbe indzima) nobe letinye tinhlobo temibuto (ledzinga bafundzi kwekutsi bahlanganise emagama / titatimende ngemigca, kute bacedzise imisho leniketiwe nobe emaphethini, kukhombisa timphendvulo tabo ngemidvwebo nangemifanekiso, njll.). Ngakoke, uma bothishela nebafundzi batfola linani letibonelo temibuto leyakheke ngalokwehlukile kepha ibuta info yinye, kumele bavisise kwekutsi loko kwentiwe ngemabomu futsi bafundzi kumele bayiphendvule yokhe lemibuto yetibonelo. Kuveta ebaleni ngalokubanti tinhlobonhlobo temasu netindlela tekubuta, kuniketa bafundzi kutetsemba lokudzingekako kute babukane netivivinyo

3. Kuhlanganiswa naletinye tinsita tekufundza nekufundzisa

Kute kube nekuchumana lokubalulekile, lamanye ematheksthi aletibonelo kanye nemibuto iye yahlanganiswa ngabomu neyeTincwadzi Temisebenti (Workbooks) lehambisana kahle nelizinga lalelo banga. Letibonelo tihindze tihambisane tidzingo teSitatimende seKharikhulamu Savelonkhe (NCS) yemabanga R-12, lokutfolakala kuSitatimende Senchubomgomo yeKharikhulamu Nekuhlola (CAPS) yemabanga akhona lafanele kanye ne National Protocol for Assessment. Yonkhe lemibhalo, seyihlangene naleminyane lefolakala esikolweni, yakha sisekelo lesinotsile setinsita lesilekelela bothishela ekuhloleni tifundvo nasekuchubeni luhlolo loluhlelekile (kuhlolwa kwekufundza).

4. Tingasetjentiswa njani letibonelo

Nanobe letibonelo telibanga kanye nesifundvo kubutselwe ndzawonye kwaba yisethi yinye leyimbumba lephelelisiwe, akukadzingeki kwekutsi thishela anikete bafundzi lomsebenzi kutsi bawente sikhatsi ngasinye. Kumele thishela akhetse tibonelo temibuto lecondzene naloko lakuhlelile esifundvweni sakhe ngalesikhatsi lesiniketiwe. Umbuto munye nobe linani leliphathsekako lemibuto yesivivinyo yesibonelo lekhetfwe nobe yatonyulwa ngekucaphelisisa, ingasetjentiswa etigabeni letahlukene tekuchubekisa kufundza nekufundzisa ngalendlela :-

- 4.1 Ekucaleni kwesifundvo njengesivivinyo seluhlololucwaningo kutfola emandla nebutsakatsaka lobukhona kumfundzi. Loluhlololucwaningo kumele uholele ekuniketeni satiso ngekushesha kubafundzi nasekusunguleni tifundvo letilungele kubasita kulobutsakatsaka losebubonakele bese kubacinisa emandla. Lesivivinyo semhlahlo singaniketwa bafundzi njengemsebenzi wasekhaya kute kongeke sikhatsi seticondziso ekilasini.
- 4.2 Ngalesikhatsi kufundvwa njenge tivivinyo letichubekako tekuhlola kwekutsi bafundzi bayatfutuka elwatini lolumiselwe kanye nemakhono njengoba sifundvo sichubeka kute kube nesiciniseko sekutsi akekho umfundzi losalela emuva.
- 4.3 Emaphetselweni esifundvo nobe luhla lwetifundvo njengesivivinyo sekuphela kwethemu kuhlola kwekutsi bafundzi batfola kucondza lokwenele futsi bangasebentisa lolwati nemakhono labawafollile esifundvweni nobe etifundvweni lesebaticedzile. Lesatiso lesiya kubafundzi kumele siniketwe ngekushesha ngalesikhatsi thishela asancuma kwekutsi ingabe kukhona yini kulesifundvo nobe tifundvo lapho kumele abuyeke emuva khona kucinisa lwati nemakhono latsile.

4.4 Kuto tonkhe tigaba kuveta tindlela letahlukene tekuhlola nekubuta kubafundzi, sib. kuphendvula imibuto lenetimphendvulo letinyenti letiniketiwe (MC), imibuto levulekile ledzinga timphendvulo letahlukene (OE) nobe imibuto ledzinga nobe nguyiphi imphendvulo (FR), imibuto ledzinga timphendvulo letimfisha (SA), njll.

Nanobe sivivinyo seluhlololucwaningo nalesichubekako singaba sifisha ngekwelinani lemibuto lefakiwe, sivivinyo sekuphela kwethemu sitawufaka imibuto leminyenti kute kwakheke sivivinyo lesiphelele ngekuya kwemsebenti loseewentiwe ngalesosikhatsi. Intfo lebalulekile kuba nesiciniseko sekutsi ekugcineni bafundzi batfola liifuba lelanelo lekutilungiselela ngekuphendvula tivivinyo letigcwele teluhlobo lwe sifanekiso seLuhlolo LwaVelonkhe Lwemnyaka (ANA).

5. Imemorandamu nobe tinkhombandlela tekumakha

Luhlobo lwesibonelo sekuphendvula lesilindzelekile (tinkhombandlela tekumakha) siniketiwe kuleyo naleyo mibuto yesibonelo sesivivinyo yaphindze futsi yaniketwa kusifanekiso sesivivinyo seLuhlolo LwaVelonkhe Lwemnyaka (ANA). Kumele bothishela bakubeke etingcondvweni tabo kwekutsi angeke kwenteke kwekutsi imemorandamu ipheleliswe. Imemorandamu iniketa kuphela imitsetfo lebanti yetinhlobo tetimphendvulo letilindzelekile kantsi nabothishela kumele batibute ngalokujulile bese baniketa umvuzo kuloko lokukhetsiwe netingucuko tetimphendvulo letiniketiwe letemukelekako letivela kubafundzi.

6. Lokucukethwe yekharikhulamu

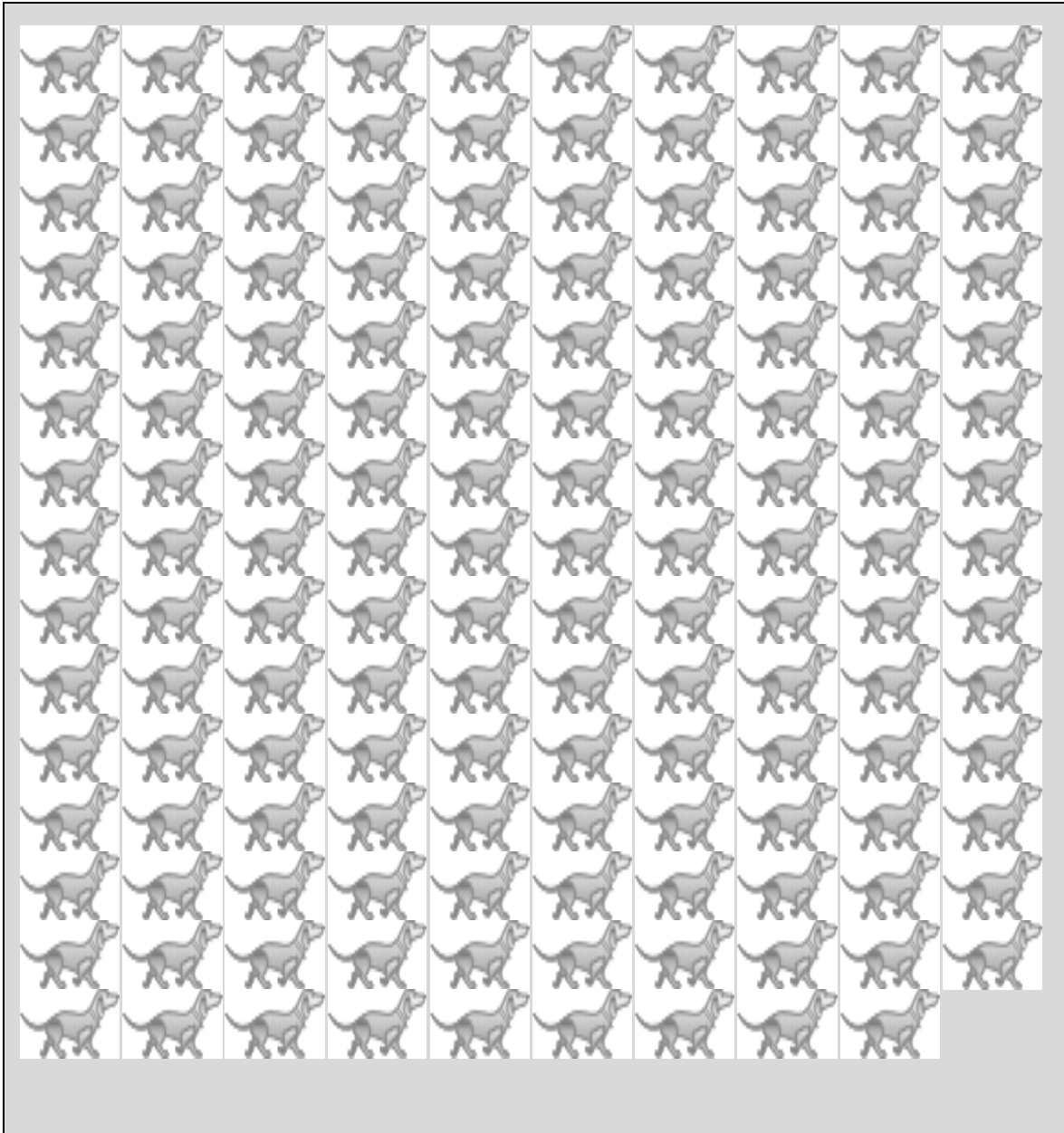
Kubaluleke ngalokwedulele kwekutsi ikharikhulamu yentiwe yonkhe ngalokugcwele kulelo nalelo likilasi. Tibonelo telibanga ngalinye kanye nesifundvo akukameli ikharikhulamu yonkhe. Tiyisampula nje yelwati nemakhono lasemcoka futsi emsebenti lowetiwe ngemathemu 1, 2, na 3 emnyaka wesikolo. Kuhleleka kwemsebenti lokumele wentiwe lophelele kumathemu esikolo ukhonjisiwe kahle emiculwini yeCAPS.

7. Siphetfo

Inhloso yeLitiko kutfutukisa emazinga nekhwalithi yekusebenta kwemfundzi kuhlolisisa emakhono lasisekelo sekufundza nekubhala kanye nekubala. Luhlobo Lwemnyaka LwaVelonkhe ngulelinye lithulusi lelisetjentiswa liLitiko kulandzela nekutfo kwekutsi kusebenta kwebafundzi kukhombisa kutfutuko, kuma ndzawonye nobe kukhombisa kwehla. Tigodzi netikolo tilindzeleke kwekutsi tisekele bothishela tibuye tibanikete netinsita letidzingekako kutfutukisa kufundza nekufundzisa lokuyimphumelelo etikolweni. Ngekusebentisa tibonelo te ANA njengencenye yetinsita tabo tekufundzisa, bothishela batawulekelela bafundzi ekutseni batetayele letindlela nemasu lahlukene lasetjentiswako nakuhlolwa. Ngekusetjentiswa kahle kwetibonelo kutawukwenta kwekutsi bafundzi basitakale ekutfoleni lwati lolufanele futsi batfutukise emakhono langiwo ekufundza ngemphumelelo babuye basebente kancono kutivivinyo te-ANA letitawulandzela.

1. Tinombolo, timphawu tekubala nebudlelwane.

Buka sit fombe bese uphendvula imibuto lelandzelako.



a. Bala tinj a bese ubhala kutsi tingaki setitonkhe.

b. Tingaki tincumbi tetinj a **letisihlanu** letikhona?

c. Tingaki tincumbi tetinj a **letilishumi** letikhona?

d. Tingaki tincumbi tetinj a **letimbili** letikhona? _____

e. Tingaki tincumbi tetinj a **letintsatfu** letikhona? _____

f. Tingaki tincumbi tetinj a **letine** lakhona? _____

2. **Gcwalisa tinombolo letingekho.**

a. 162; _____; _____; 168; 170; _____

b. 152; 155; _____; _____; 164; _____

3. **Cedzela emaphethini etinombolo letilandzelako.**

a. 170; _____; 150; _____; 130; _____; 110

b. 105; 110; _____; 120; _____; 130; _____ 140

4. **Bhala tinombolo talamagama etinombolo letilandzelako.**

a. Likhulu nemashumi lasiphohlongo _____

b. Likhulu nelishumi nakunye _____

c. Likhulu nemashumi lasitfupha nesitfupha _____

5. **Bhala tinombolo letilandzelako ngemagama .**

a. 44 _____

b. 68 _____

c. 27 _____

d. 73 _____

e. 59 _____

6. **Dvweba imigca ucondzanise inombolo lebhalwe ngemagama kanye nenombolo yayo.**

- a. 49 lishumi nesiphohlongo
- b. 55 emashumi lasikhombisa/layinkhotsa nakune
- c. 33 emashumi lasit fupha nakutsatfu
- d. 74 emashumi lasihlanu nesihlanu
- e. 18 emashumi lamane nemfica
- f. 63 emashumi lamatsatfu nantsatfu

7. **Biyela ngendilinga inombolo lencane kulipheya ngalinye.**

- a. 21; 12
- b. 55; 33
- c. 46; 64
- d. 32; 23
- e. 73; 37

8. **Hlela tinombolo usuke kulenkulu uye kulencane.**

- a. 10 17 25 43 38

- b. 53 35 75 57 55

- c. 40 63 25 73 68

9. Hlela tinombolo usuke kulencane uye kulenkulu.

a. 11 33 66 55

b. 53 35 47 74

c. 24 61 42 16

10. Kulenombolo 73

a. Bhala bungako bedij ithi 7 _____

b. Bhala bungako bedij ithi 3 _____

11. Bala ngekusondzeta ngalokuphindvwe kabili.

Sibonelo: $24 + 25 = 25 + 25 - 1$ noma $24 + 25 = 24 + 24 + 1$

$= 50 - 1$

$= 48 + 1$

$= 49$

$= 49$

a. $28 + 29 =$

b. $36 + 37 =$

12. **Bala ngekuhlahlela tinombolo.**

Sibonelo: $29 + 34 = 20 + 9 + 30 + 4$
 $= 20 + 30 + 9 + 4$
 $= 50 + 13$
 $= 63$

- a. $41 + 33 =$
- b. $52 + 19 =$
- c. $86 - 42 =$

13. **Hhafula letinombolo.**

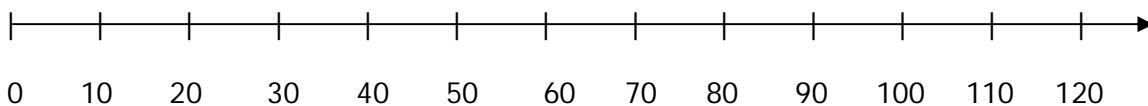
	I nombolo	I nombolo lehhafuliwe
a.	124	
b.	116	
c.	162	

14. **Phindza kabili inombolo.**

	I nombolo	I nombolo lephindvwe kabili
a.	19	
b.	26	
c.	37	

15. **Sebentisa umugcatinombolo**

- a. Hlanganisa 40 ne -30.
- b. Susa 30 ku -110.



16. **Kusombulula tinkinga tetibalo temagama (tibalo tetindzaba)**

Phendvula imibuto lelandzelako.

- a. Tim bekanetimabuli leti-94. Walahla timabuli leti -30. Tingaki timabuli lasele nato?

Timabuli letisele = _____

- b. Thoko unemaswidi la-52. Wabuye watsenga lamanye la-20. Thoko sewunemaswidi lamangaki nyalo?

Linani lemaswidi = _____

- c. James wabutsa emawolintji la-74 naBen wabutsa ihhafu yemawolintji labutfwe nguJames. Ben ubutse emawolintji lamangaki?

Ben ubutse emawolintji la- _____.

- d. Thembi, Lorraine, Mandla naPaul ngamunye banemaswidi la-18. Mangaki emaswidi labanawo nasahlangene onkhe?

Linani lemaswidi = _____

17. Kugcogca nekuhlukanisa

😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
😊	😊	😊	😊	😊	😊	😊	😊	😊	😊
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😊	😊	😊	😊	😊	😊	😊	😊	😊	😊

Buka lithebula lebuso lelingenhla bese uphendvula umbuto ngamunye.

- a. Kunemigca le-5, ngamunye umugca unebuso lobu- _____
- b. Kunebuso lobu- _____ sebubonkhe.

18.

a. Bongani kumele abeke emakokisi la-54 ngetincumbi te-9. Tingaki tincumbi langatenta?

b. Utawutfole malini umuntfu munye nangabe R96 ahlukiselwe bantfu laba-8 ngalokulinganako?

c. Eklasini lelibanga 2 kunebafana laba-34. Linani lemantfombatane liphindza kabili linani lebafana. Mangaki emantfombatane kuleliklasi?

19. Phendvula imibuto lelandzelako.



- a. Hlukanisa bunj wa longenhla abe tincetu le-2 letilinganako.
- b. Faka ikota yacalandze umbala.

Imali

20. Cedzela lithebula.

	Intsengo	Imali lekhokhiwe	Intjintji
a.	R71,00		R4
b.		R20	R6
c.	R43,00	R50	

21. Betty utsenge libhuku lelibita R6.50, wabhadala R20 leliphepha. Biyela ngendilinga intjintji layitfolile?

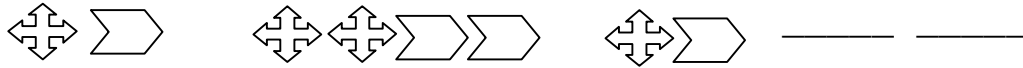
- A) R14.00 B) R12.00 C) R13.50 D) R13.00

22. Piet une-R21.00 naJack une-R14.00. Bahlanganise imali yabo kute batsenge ibhola lebita R32.00. Ngumalini intjintji lekumele bayitfole?

R _____

Emaphethini.

23. **Biyela ngendilinga bobunj wa labalandzelako kulephethini**



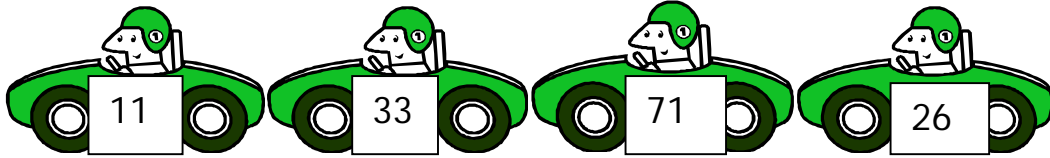
- A.  B.  C.  D. 

24. **Bhala tinombolo le-3 letisele kulokulandzelana kwetinombolo lokungentasi.**

- a. 132; 122; _____; _____; 92 ; _____
- b. 180; 175; _____; _____; 160; _____
- c. 96; 98; _____; _____; 104; _____
- d. 80; 84; 88; _____; _____; _____
- e. 96; 99; _____; 105; _____; 111; _____

Indzawo.

25.

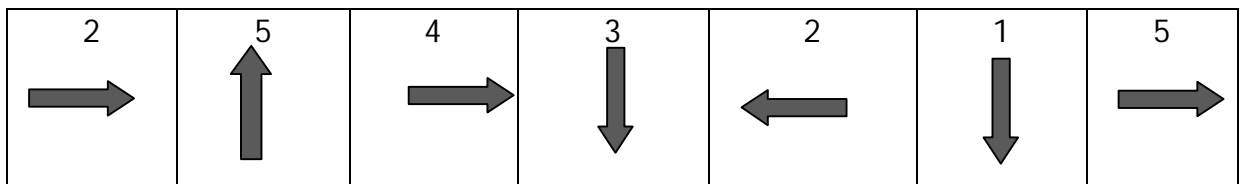


Leti timoto le-4 letipakwe emgcezi.

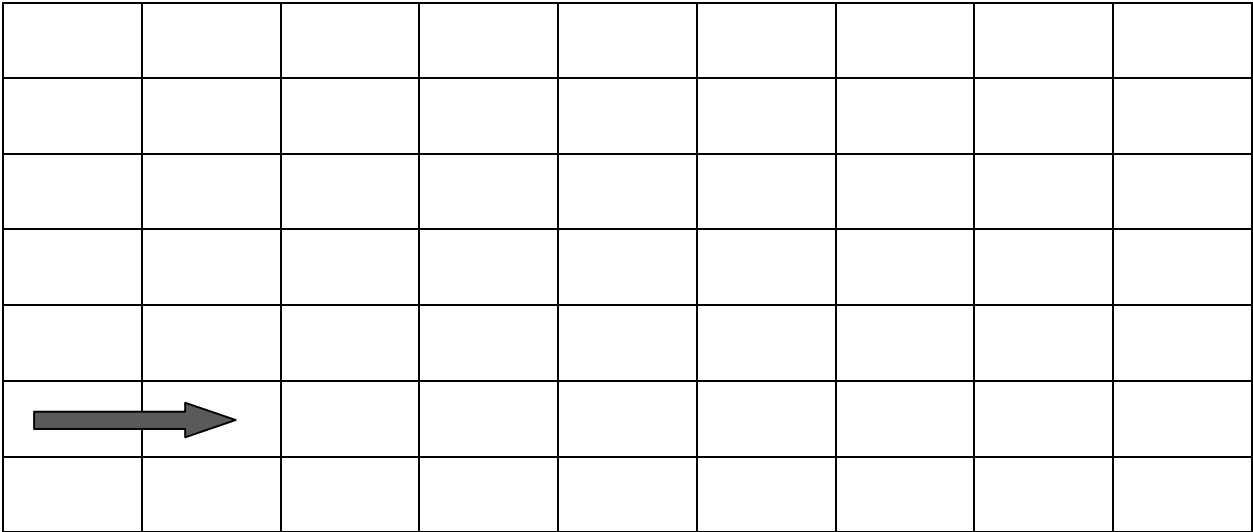
Cedzela

- a. Imoto lekunombolo _____ iphambili.
- b. Timoto letikunombolo _____ ne- _____ tingemuva kwemoto lekunombolo 33.
- c. Imoto lekunombolo _____ ingemuva kwemoto lekunombolo 71.
- d. Imoto lekunombolo _____ ingembi kwemoto lekunombolo 33.

26. Kate uhamba ngebhasi kusuka ekhaya aye esikolweni. Lithebula lelingentasi likhomba indlela nebudze beluhambo, emabhulokhwe.

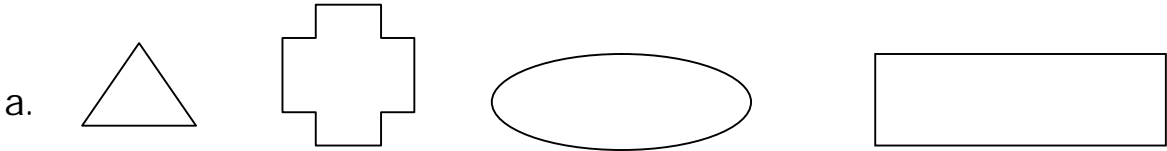


Sebentisa lwati lwethebula lengenhla ugcwalise igridi yeluhambo lwakhe. Bakwentele kwekucala.

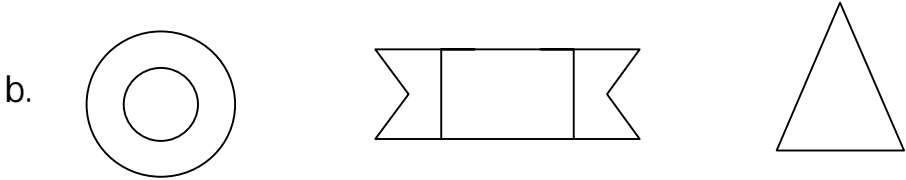


Bobunj wa.

27. Faka luphawu \surd kubunj wa lonemacele lacondzile kuphela lemabhulokhi.

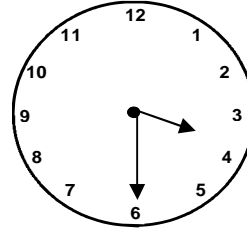
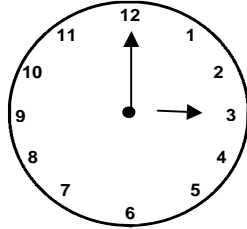
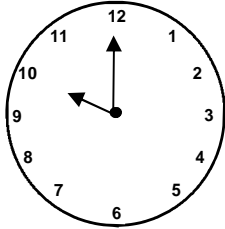


Dvweba umugca wesimethri kubunj wa ngamunye.

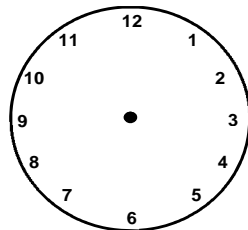
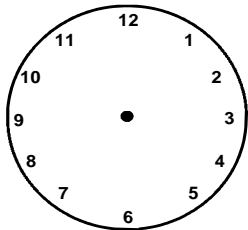


Sikhatsi

28. **Bhala sikhatsi lesikhonj iswe ewashini ngalinye.**



29. **Dvweba lutsi lwemaminithi nelutsi lwema-awa ewashini ngalinye ukhombise sikhatsi lesiniketive.**



Li-awa lesi -6 enhloko

Ligabence li-awa le-4

30. Sindi wasuka ekhaya ngeli-awa le-6 ekuseni. Wafika esikolweni seligabence li-awa le-8. Utsetse ema-awa lamangaki endleleni?

31. **Bala linani lema-awa usuke**

a. ku -7 enhloko uye ku-12 enhloko. _____.

b. ku-12 enhloko uye ku-7 enhloko. _____.

c. ligabence li-awa le-4 uye ekugabanceni kweli-awa le-9. _____.

d. ku-6 enhloko uye ekugabanceni kweli-awa le-12.

_____.

32. a. Lilanga le-4 emva kweLisontfo? _____
- b. Lusuku lwekutsalwa lwaKen lungemalanga la-7 emuva kwamhlaka 14 enyangeni yeNhlaba. Belunini lusuku lwakhe lwekutsalwa kwaKen? _____ .
- c. Nguyiphi inyanga ye-5 ngemuva kwenyanga yeNgci?

- d. Nguyiphi inyanga ye-6 lengaphambi kwenyanga yeLweti?

- e. Niketa ligama lenyanga lenemalanga lamancane kakhulu emnyakeni. _____

Silinganiso.

33. Bukisisa imigca le-5 lengentasi kute ubone budze bemugca ngamunye.

Umugca A _____

Umugca B _____

Umugca C _____

Umugca D _____

Phendvula imibuto ungakakali budze balemigca.

- a. Umugca _____ngulomudze kakhulu.
- b. Umugca _____ ngulomfisha kakhulu.
- c. Umugca _____ nemugca _____ iyalingana.

Umtsamo.

34. **Biyela ngendilinga imphendvulo lefanele.**

Lubisi lukalwa ngema:

- A. litha B. khilogremu C. khilomitha


















35. **Biyela ngendilinga imphendvulo lefanele... Sinat fo lesibandzako singakalwa ngema-**

- A. gremu B. mililitha C. khilogremu

Kusebenta ngedatha.

36. Legrafutit fombe ikhombisa tibhidvo letitsengiswe esitolo ngelilanga.

Tibhidvdo letitsengiswe esitolo ngelilanga

Linani le tibhidvo	7				
	6				
	5				
	4				
	3				
	2				
	1				
	Emakhero thi	Emazambane	Liklabishi	Igalikhi	

Buka igraftit fombe lengenhla bese uphendvdula imibuto.

a. Ngusiphi sibhidvo lesatsengiswa kakhulu?

_____.

b. Ngusiphi sibhidvo lesingazange satsengwa?

_____.

c. Mangaki emagalikhi latsengwa? _____.

d. Tingaki tibhidvo letatsengwa setitonkhe?

_____.