



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

IIMVAVANYO ZONYAKANONYAKA KUZWELONKE 2013

IBANGA 3

IMATHEMATIKA - ISIXHOSA IMIZEKELO YEMIBUZO

Le ncwadana inamaphepha angama-25 ngaphandle koqweqwe

ISIKHOKELO SOKUSEBENZISA IMIZEKELO YOKUHLOLA KA-ANA

1. Isetyenziswa njani imizekelo yovavanyo

Nangona imizekelo yovavanyo yebanga ngalinye nesifundo ngasinye yenziwe yaza yadityaniswa, **akunyanzelekanga ukuba abafundi bayiphendulie yonke imibuzo ngexesha elinye. Utitshala makakhethe umzekelo onombuzo onxulumene nesifundo asilungiseleleyo.** Imibuzo ekhethwe kumzekelo vavanyo okanye iqela lemibuzo enokuphenduleka ngexesha elinye ingasetyenziswa ngokuyekukhula ukufunda nokufundisa ngolu hlobo:-

- 1.1 Ekuqaleni kwesifundo, njengovavanyo lokuqonda nokwahlula izinto abafundi abakwazi ukuzenza/abazaziyo nezo bangakwazi ukuzenza/bangazaziyo. **Ukuphonononga** lo mahluko kukhokhelela ekubeni abafundi **banikwe inkcazelo eyiyo**, ukuze kuphuhlise **izifundo ezifanelekileyo**, nezilungele ukulungisa ezo ngxaki banazo, ukuze abafundi **bacoselelwe ukufundiswa**.
- 1.2 Kwisifundo phakathi, uvavanyo olucwangcisiweyo lusetyenziswa ukuvavanya ukuba ulwazi nezakhono zabafundi ziyaphuhla na. Njengoko isifundo siqhuba lukwasetyenziswa ukuvavanya nokuqinisekisa ukuba akukho mfundi ushiyekayo kwisifundo.
- 1.3 Ukugqibezela isifundo okanye iqela lezifundo uvavanyo oludityanisiweyo luyenziwa ukuvavanya ukuba abafundi bayaqonda kwaye bayakwazi ukusebenzisa ulwazi nezakhono abazifumene kwizifundo. Inkcaza yokuba abafundi baqhuba njani mabayinikwe ngoko nangoko, ngelo xesha utitshala wenza isigqibo ngeendawo ezifuna ukuphindwa kwisifundo okanye kwizifundo ukuncedisa ulwazi okanye izakhono ezingaphuhlanga.
- 1.4 Kuwo onke la manqanaba makusetyenziswe iindlela ngeendlela zokubuzwa, umz.indlela yokuphendula ngokukhetha kwiimpendulo azinikiweyo, imibuzo efuna impendulo yakhe, imibuzo efuna impendulo emfutshane, njalo-njalo.

Nangona uvavanyo lokufumana ukuqonda novavanyo lokwakha ulwazi lusenokuba lufutshane ngokwemibuzo, uvavanyo oludityanisiweyo lunokuquka imibuzo emininzi kuxhomekeka kumsebenzi osele wenziwe. Okubalulekileyo kukuqinisekisa ukuba abafundi baqhelaniswa nendlela yokuphendula uvavanyo olupheleleyo olufana novavanyo lukazwelonke lonyaka nonyaka (ANA).

2. Imemorandam okanye iindlela zokuphendula

Umzekelo wendlela yokuphendula okanye iimpendulo ezilindelekileyo zilungiselelwe kumzekelo wovavanyo. Ootitshala mabakhumbule ukubaimemorandam ayiniki impendulo igqibeleleyo, Imemorandam inika nje kuphela iimpendulo ezilindelekileyo, ngoko utitshala angamnika umfundi amanqaku ngeimpendulo ezahlukeneyo, ezivumelekileyo ezinikwe ngabafundi.

3. Ukugutyungelwa kwekharithulam

Kunyanzelekile ukuba ikharithulam igutyungelwe yonke kwibanga ngalinye. Imizekelo yovavanyo yebanga ngalinye ayimeli ikharithulam, ikhupha nje iisampula zovavanyo lolwazi nezakhono ezibalulekileyo kwaye zezomsebenzi wekota yokuqala ukuya kweyesithathu yonyaka Isantya sokusebenza somsebenzi ekufuneka wenziwe sinikezelwe kumaxwebhu ekharithulam (CAPS DOCUMENTS).

Biyela unobumba onempendulo echanekileyo kuyo yonke imibuzo eneempendulo ezikhethwayo.

1.1 Landelelanisa amanani ukusuka kwelona lincinci ukuya kwelona likhulu.

- A 53 , 17 , 59 , 95 , 35
- B 59 , 17 , 95 , 35 , 53
- C 95 , 59 , 53 , 35 , 17
- D 17 , 35 , 53 , 59 , 95

1.2 Landelelanisa amanani ukusuka kwelona likhulu ukuya kwelona lincinci.

- A 125, 521, 251, 215
- B 251, 215, 125, 521
- C 521, 251, 215, 125
- D 125, 215, 251, 521

1.3 Landelelanisa amanani ukusuka kwelona likhulu ukuya kwelona lincinci.
533 , 137 , 539 , 935 , 335

1.4 Landelelanisa amanani ukusuka kwelona lincinci ukuya kwelona likhulu..

30, 27, 64, 51, 24 , 99

2.1 Ama- 607 ecazululwe ngama...

A $70 + 600 + 60$

B $7 + 60 + 60$

C $600 + 7$

D $700 + 6 + 70$

2.2 Cazulula ama- 760.

_____ + _____

2.3 Ama-67 ecazululwe ngama...

A $70 + 60 + 6$

B $7 + 60$

C $600 + 7$

D $700 + 6 + 60$

3.1 Ama-39 ephindwe kabini ngama...

A 69

B 79

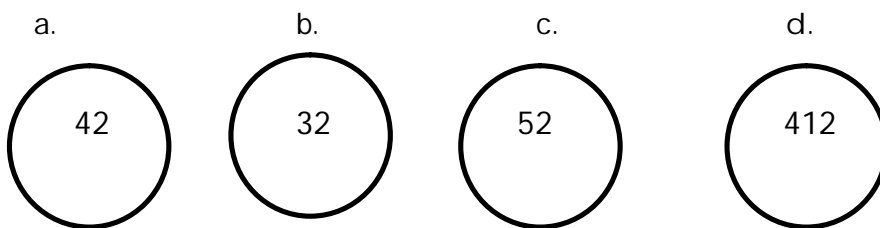
C 78

D 96

3.2 Ama- 93 ephindwe kabiningama...

- A 181
- B 118
- C 1018
- D 169

3.3 Phawula isangqa esinama-26 aphindwe kabini.



4.1 Ama- 642 asondezwe kwelona 10 likufutshane abangama...

- A 700
- B 655
- C 640
- D 600

4.2 Iyakuba ngubani impendulo xa ama-462 esondezwe kwelona 10 likufutshane.

A 624

B 426

C 246

D 460

4.3 Ama-266 asondezwe kwelona 10 likufutshane = _____

5.1 9.50 kusasa kwiwotshiyosibayi:

A mizuzu elishumi emva kwentsimbiyeshumiebusuku.

B mizuzu elishumi emva kwentsimbiyeshumikusasa.

C mizuzu elishumi phambi kwentsimbiyeshumiebusuku.

D mizuzu elishumi phambi kwentsimbiyeshumikusasa.

5.2 9.50 ebesuku kwiwotshi yosiba yi:

A mizuzu elishumi emvakwentsimbiyeshumiebusuku.

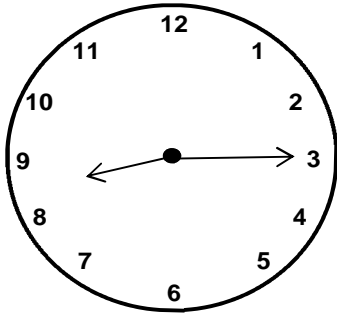
B mizuzu elishumi emvakwentsimbiyeshumikusasa.

C mizuzu elishumi phambikwentsimbiyeshumiebusuku.

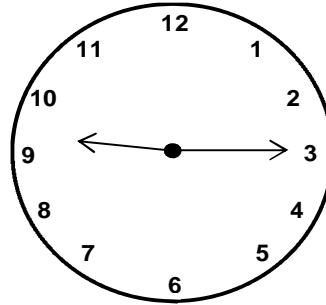
D mizuzu elishumi phambikwentsimbiyeshumikusasa.

5.3 Phawula iwotshi yosiba ebonisa ukuba ngu-9.15 kusasa

a.



b.




6.1 Khetha ukulandelelana kwalamaqhezu, uqale kwelona lincinci uye kwelonalkhulu...


- A 1 ikota, 1 isiqingatha, 1sihlanu,1 isithathu
- B 1 isiqingatha, 1 isithathu, 1 ikota, 1sihlanu
- C 1 isithathu, 1sihlanu, 1 ikota, 1 isiqingatha
- D 1sihlanu, 1 ikota, 1 isithathu, 1 isiqingatha

6.2 Khetha ukulandelelana kwalamaqhezu, uqale kwelona likhuluuye kwelona lincinci


a. b.

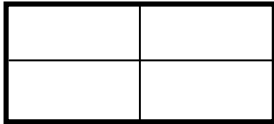


c.



d.









7.1 Bhalaigama lento engu3-D nemiloengu2-D.

a. b.



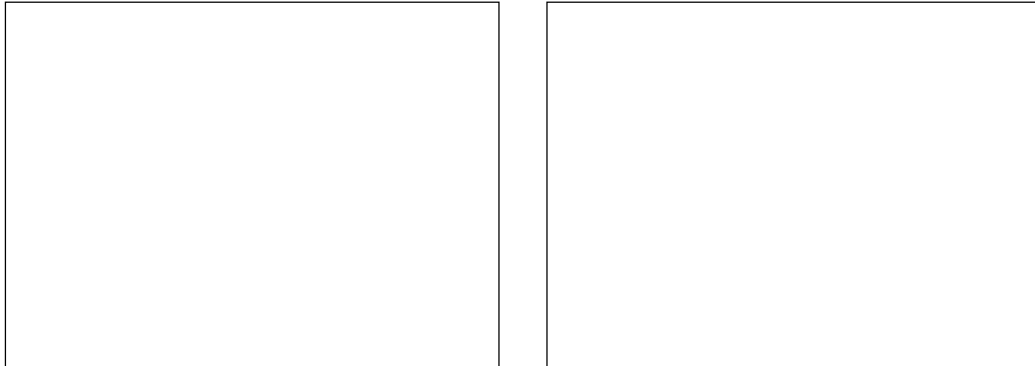


7.2 Tshatisa igama elichanekileyo kwinto engu3-D nemilo engu 2-D.

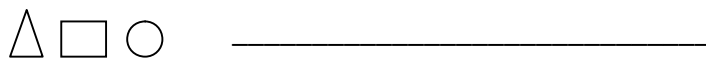
	Unxantathu
	I tyhubhu
	Uxande
	I silinda

7.3 Zoba ezibhokisini.

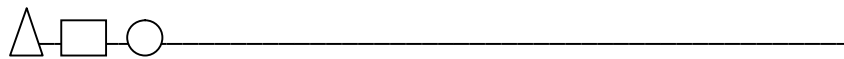
a. imiloengu 2-Db. into engu 3-D



8.1 Yandisa le pateni ilandelayo kwakhona kube kanye.



8.2 Yandisa le pateni ilandelayo kwakhona kabini.



8.3 Yandisa le pateni ikhulayo apha ngezantsi kube kanye.

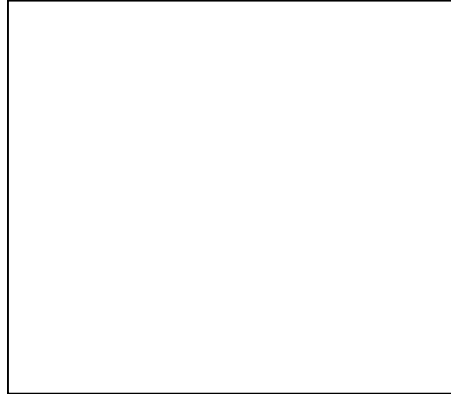


9.1 Sebenzisa indlela 'yokucazulula' ukubala oku kulandelayo:

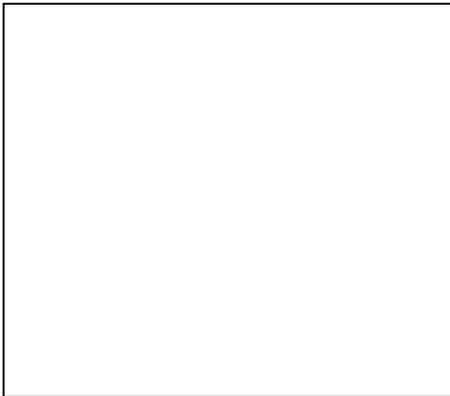
a. $689 - 237$



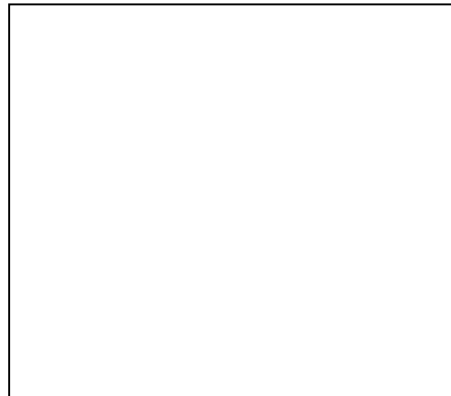
b. $382 + 416$



c. $39 \div 3$



d. 23×2



10. Gqibezela ipateni nganye yamanani kwezi zilandelayo:

a. 122; ____; 162; ____; 202; ____; ____.

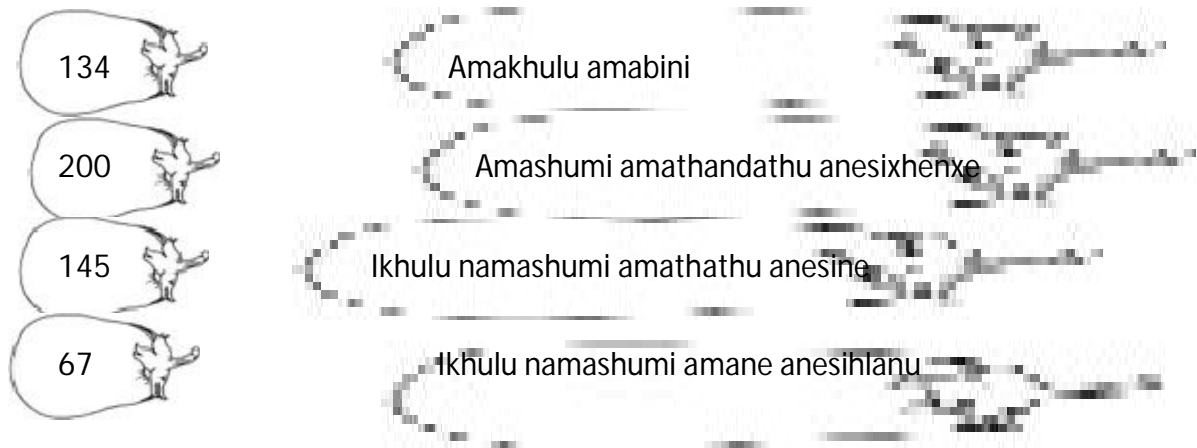
b. 475; 450; 425; ____; ____; ____; ____.

c. 173; 172; 171; ____; ____; 168; 167; ____.

d. 195; 190; ____; ____; 175; ____; 165.

11.1 Bhala ngamagama elinani- 468.

11.2 Tshatisa isimboli yenani negama elichanekileyo.



11.3 Ama-754 ngamagamangama ...

- A. Khulu asixhenxe namashumi amane anesihlanu
- B. khulu amahlanu namashumi amahlanu anesine
- C. khulu amane namashumi asixhenxe anesihlanu
- D. khulu asixhenxe namashumi amahlanu anesine

11.4 Bhala isimboli yelinani: Amakhulu amathathu anethoba.

11.5 Khetha isimboli yelinani:
Amakhuluamathandathunanamashumialithobaanesibhozo....

- A 986
- B 869
- C 698
- D 689

11.6 Bhala iisimboli zalamanani...

a. I khulunamashumialithobaanethoba_____

b.Amashumi asixhenxe anesibhozo_____

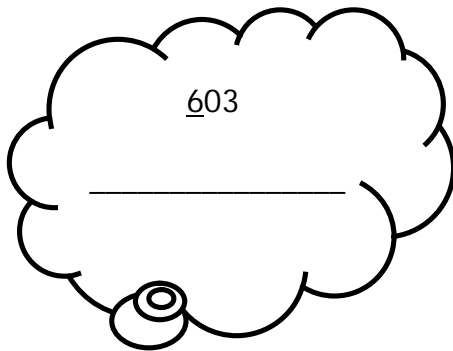
12.1 Bhala ixabisolenanielinomgcangaphantsi754.

12.2 Bhalaixabiso lenani elinomgca ngaphantsi.

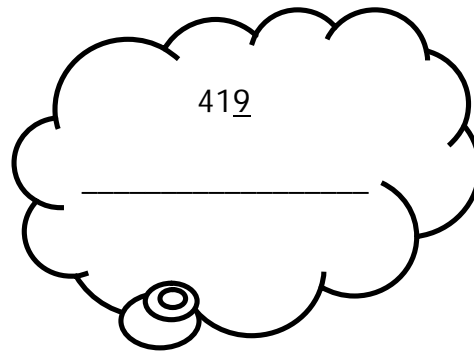
a. 456_____

b. 374 _____

12.3 Lithini ixabiso lenani elinomgca ngaphantsi elikula mafu ?



a.



b.

13.1 Bhala elinani lilandelayo ngeyona ndlela imfutshane.

$$5 + 600 = \underline{\hspace{2cm}}$$

13.2 Yakha la mananialandelayo:

$$100 + 80 + 9 = \underline{\hspace{2cm}}$$

$$100 + 100 + 0 + 0 = \underline{\hspace{2cm}}$$

$$40 + 30 + 2 + 1 = \underline{\hspace{2cm}}$$

13.3 Cazulula.

a. $136 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

b. $36 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

14.1 Bhala inani elilandelayo ukugqibezela ulandelelwano lwamanani.

a. 412; 410 ; 408; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$

b. 123; 126; 129, $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$.

14.2 Umthetho wokubala usiya phambili ngezi-4, nangama-20 usetyenzisiwe ukwakha ulandelelwano lwepateni yamanani apha ngezantsi.

Faka amanani ashayiweyo uze ubhale umthetho osetyenzisiweyo.

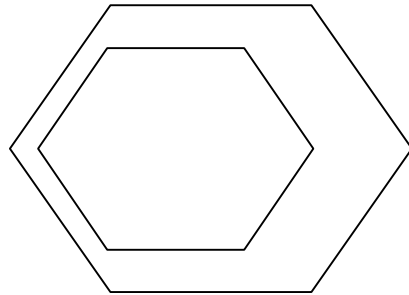
a. 810; 830; 850; 870; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$.

Umthetho $\underline{\hspace{10cm}}$

b. 380; 384; 388; 392; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$; $\underline{\hspace{1cm}}$.

Umthetho $\underline{\hspace{10cm}}$

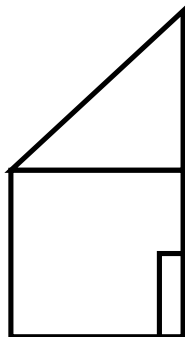
15.1 Zoba umgca wolingano-macala kule milo.



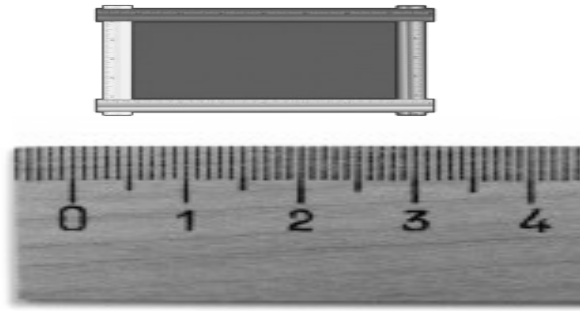
15.2 Zoba umgca wolingano-macala.



15.3 Zoba elinye icala lale ndlu uyigqibezele.



16.1 Bungakanani ubude balo mfanekiso ungezantsi?



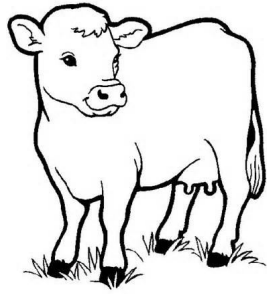
_____ sentimitha

16.2 Krwela umgca phantsi kwegama elichanekileyo elikwizibiyeli.

- a. Ndimde ngee(grem, sentimitha, litha) ezisi-**7** kunomhlobowam.
- b. Ubunzima bam bungaphezulukwee(khilogrem, mitha, mililitha) ezili-15.
- c. Utata uzalisa imoto yakhe ngee(milimitha, grem, litha)ezingama-50 zepetroli.

17.1

Biyela igama elichanekileyo elikwizibiyeli kule mibuzo ilandelayo.



a. Ubungakanani benkomo bulinganiswa ngee (khilogremz, sentimitha).



b. Ubungakanani bukomityi yekofu bulinganiswa ngee (mitha, mililitha)

17.2

Gqibezela:

Ukuba ibhotile enye yesiselo izalisa iiglaszi ezine,loo nto ithetha ukuthi:

a. Iibhotile ezi-2 zizalisa iiglaszi ezi_____.

b. Iibhotile ezi-5 zizalisa iiglaszi ezi_____.

c. Iibhotile ezi_____ zizalisa iiglaszi ezi-40 .

d.Iibhotile ezi_____ zizalisa iiglaszi ezi-2.

- 17.3 Landelelanisa obu bungakanani bulandelayo, uqale kobona buncinane uye kobona bunzima.

500 *ml*, 5 *ml*, 1 *l*, 250 *ml*

_____, _____, _____, _____ .

18. Bonisa yonke indlela ozibale ngayo ezi zibalo zamagama.

18.1

Amakhwenkwe amathathu namantombazana amabini ngamnye unetraysikile. Mangaphi amavili eetrayisikile zabo 02zizonke?

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- 18.2 Utitshala uneentonga zetshokhwe ezingama-45. Unikwe ezinye iintonga zetshokhwe ezingama-40. Uye wayabela abafundi abane yonke le tshokhwe ngokulinganayo. Zingaphi iintonga zetshokhwe ezifunyenwe ngumfundi ngamnye, kwazekwashiye kazangaphi?

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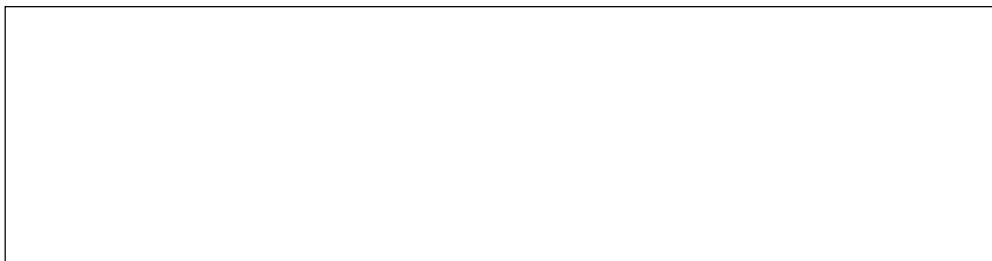
18.3 UDanil uneelolipop ezingamashumi alithoba yaye ufuna ukuzabela

Abatshana bakhe abathathu ngokulinganayo.

Zingaphi iilolipop ezizakufunyanwa ngumtshana ngamnye?

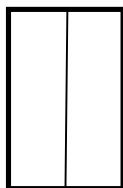
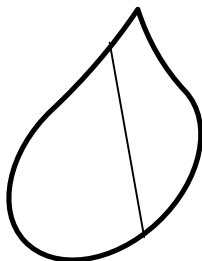


18.4 UBhobhi uqokelele iibhotile zeglasi ezili-138 esele zisebenzile ukuze ziphinde zisebenze kwakhona. Ezingama-38 zophuka. Zingaphi iibhotile ezingophukanga?

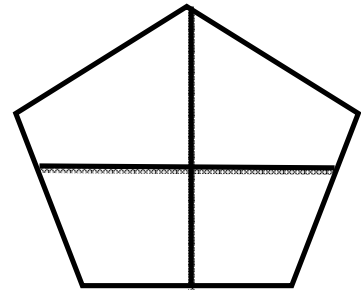
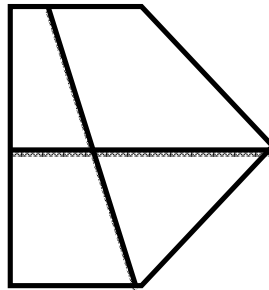
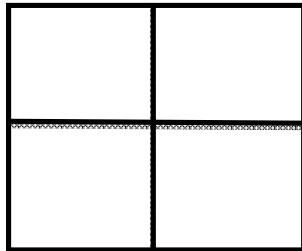


Biyelaimiloeyohlulwekabiningokulinganayo?

19.1



19.2 Fakaumbalakwimiloeyohlulweyaziikot a.



20.1 USiphouphumangomnyangoongaphambilikwindluyakheazeaj ikeekhohloukuyaepakini.
Zobaiint olokulomf anekisoezibonisaindlelaayisebenzisileyoukuyaepakini.

Ikhaya likaSipho



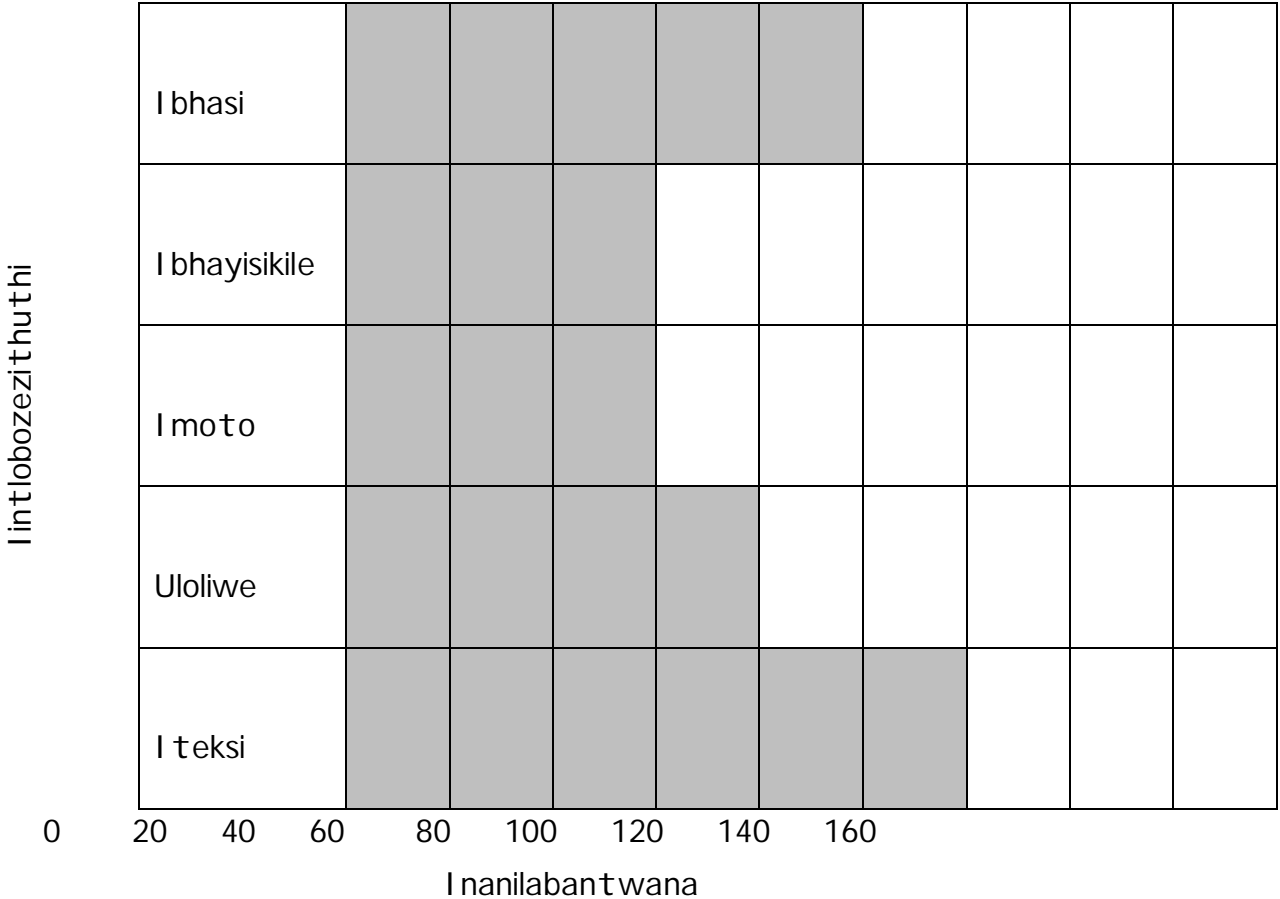
Ipaki



20.2 Uj ikekangaphiekhohlouSiphophambikokubaa fikeepakini?

21.1 Funda le grafuingezantsiphambikokuphendulaimibuzo.

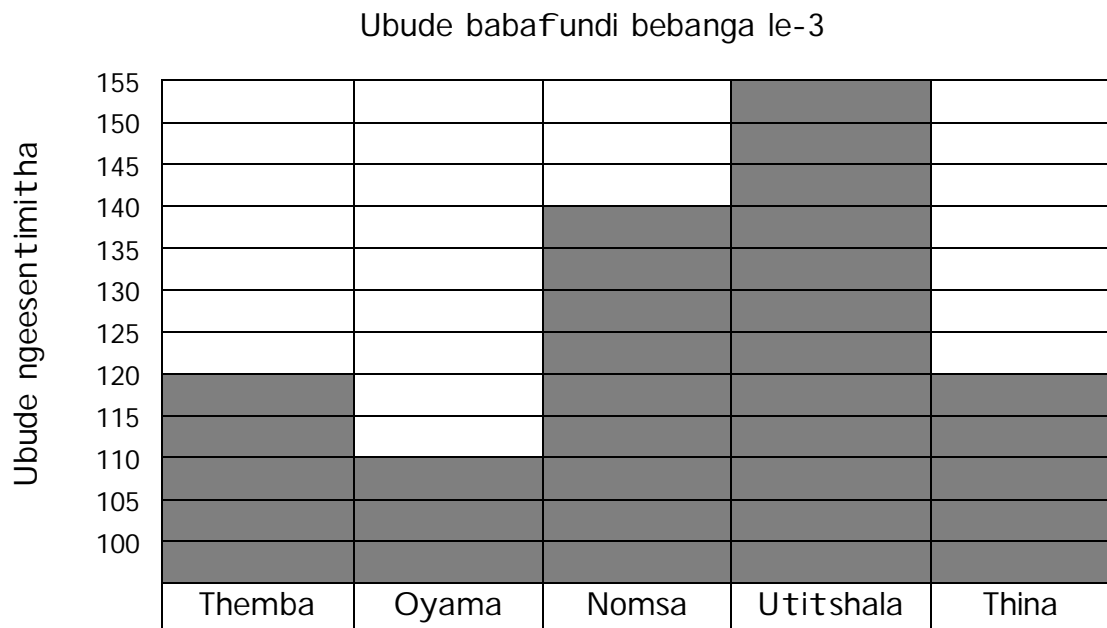
Izithuthi abahambangazo abafundi.



- a. Beza ngantoni abafundi abaninzi esikolweni?

- b. Bangaphezulukangakanani abafundi abazange bhasika nabafundi abazange moto?

21.2 Funda le grafu uze uphendule imibuzo elandelayo.



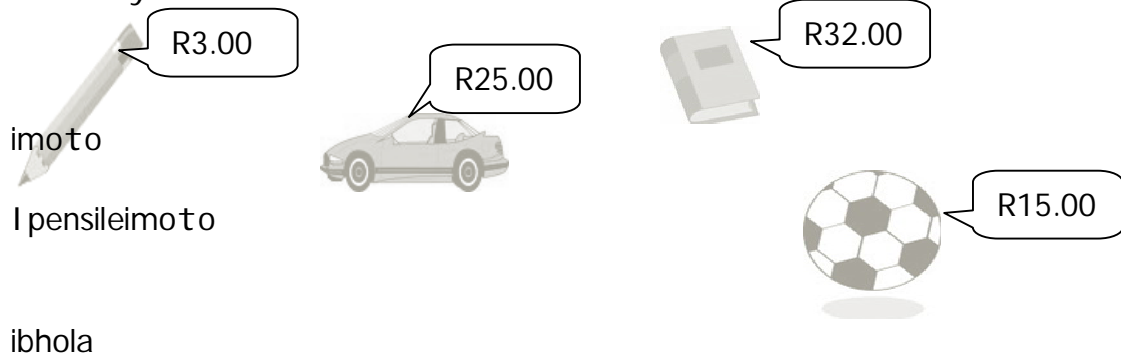
a. Ngubani oyena mfutshane eklasini?

a. Yintoni umahluko phakathi kobude bukatitshala nobude buka Nomsa?

c. Ngabaphi abafundi abanobude obulinganayo?

d. Xa uOyama angema phezu kwentloko kaThemba, bungaba ngakanani ubude babo buhlange?

22.1 Jonga amaxabiso ezinto ezithengiswayo uze uphendule imibuzo elandelayo.



a. Zeziphi izinto ezintathu ongazithenga ngamaR50 gcingci?

b. Xauthenga ibhola uze uhlawulengamaR50, yimalini itshintshiyakho? _____

c. Ixabisangaphezulungamalini incwadikwibhola?

22.2 Sebenzisa ezi zityo ukuphendula le mibuzo ilandelayo.

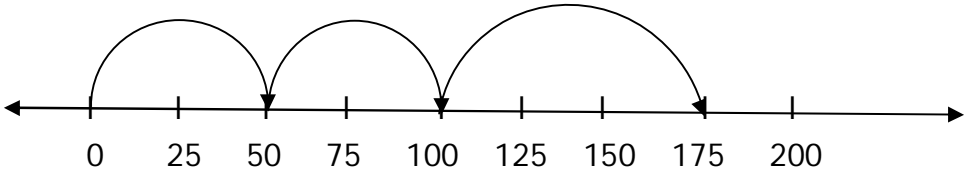
Chick Chick's Take Away Menu	
Ooxhongo benkuku aba-2	R10,00
Amaphiko enkuku ama-4	R25,00
I bhega yenkuku	R15,50
I komityi yesuphu yenkuku	R9,95

- a. Zibiza malini iibhega ezi-2nekomtyi yesuphu?
- _____
- b. Iya kuba yimalini itshintshi eza kufunyanwa nguBongiwe xa ehlawule ngeeR50.00.
- _____
- c. Iya kuba yimalini itshintshi oza kuyifumana kwi R60.00 xa uthenge ooxhoongo benkuku aba-2 namaphiko enkuku ama-4?
- _____

22.3 Guqula:

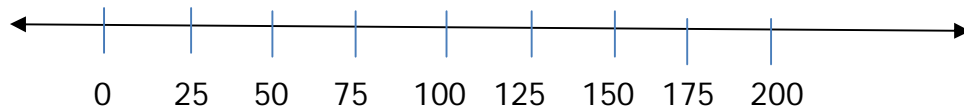
- a. iiR9.95 zibe _____ senti
- b. i-1550 senti ibe R _____

23.1 Sebenzisa umgca manani ukubhala isivakalisi senani esidibanisayo.

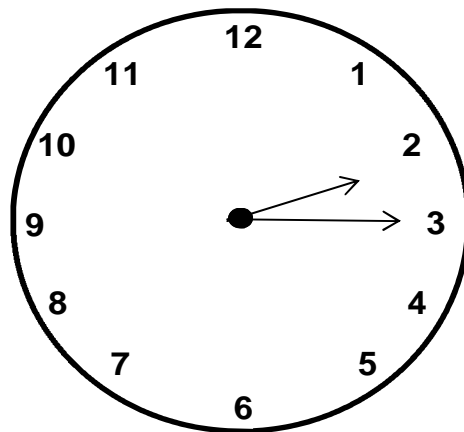


- 23.2 Zoba imitsikulo gcamanani ukubonisa esi sivakalisi samanani silandelayo.

$$200-50= \underline{\hspace{2cm}}$$

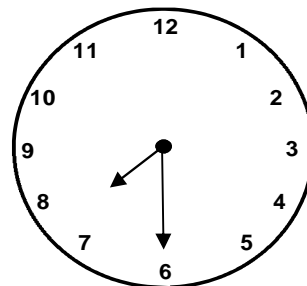
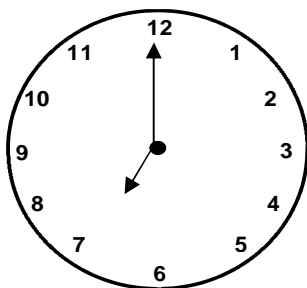


- 24.1 Gqibezela ezizivakalisi zingezantsi.



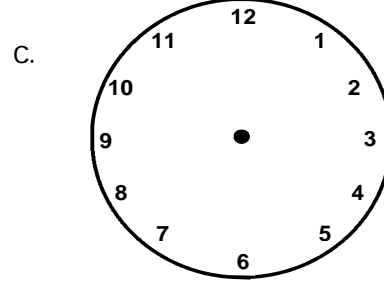
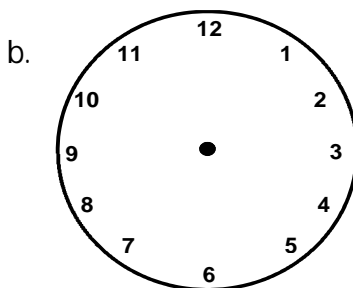
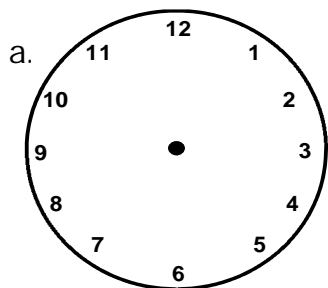
Ixesha kule wotshi yosiba ngu_____

- 24.2 ULiza uya esikolweni ngeenyawo. Usuka ekhaya ngentsimbi Ufika esikolweninge-7:30. ULiza uthatha imizuzu engama_____ ukuya esikolweni.



ULiza uthatha imizuzu engama _____ ukuya esikolweni.

- 24.3 Zoba iintsiba kwiwotshi nganye kwezi zilandelayo ukubonisa ixesha elifunekayo.

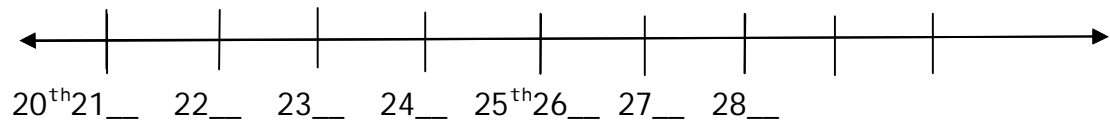


icala emva kwe-9 intsimbi ye-11 entlokoumkhono phambi kwe-7

- 25.1 Faka amanani a-odinali ashayiweyo.

11 th	12 th				16 th
20 th	21 st		23 rd		

25.2 Gqibezela lo mgca mani ungezantsi.



25.3 Tshatisa isimboli yenani negama lenani.

1 st	wamashuni amabini anesibini
22 nd	weshumi elinesine
23 rd	wokuqala
14 th	wamashumi amabini nesithathu