



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

AMANQAKU

IIMVAVANYO ZONYAKA NONYAKA KUZWELONKE 2013 IBANGA 3 IMATHEMATIKA - ISIXHOSA UVAVANYO

AMANQAKU: 40

IXESHA: 1 IYURE

IPHONDO _____

UMMANDLA _____

ISITHILI _____

IGAMA LESIKOLO _____

INOMBOLO YE-EMIS (9 iidijithi)

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IBANGA (Umz. 3A) _____

IFANI _____

IGAMA _____

ISINI (✓)

INKWENKWE

INTOMBAZANA

UMHLA
WOKUZALWA

C	C	Y	Y	M	M	D	D
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Olu vavanyo lunamaphepha ali-12, ngaphandle koqweqwe.

I miyalelo kubafundi

1. Phendula yonke imibuzo kwizithuba ozinikiweyo.
2. Wonke umsebenzi mawenziwe kweli phepha, musa ukusebenza kwiphepha elisecaleni.
3. Ukusetyenziswa kwekhaltyhuleyitha akuvumelekanga.
4. Uvavanyo lunamanqaku angama-40.
5. Uvavanyo luyimizuzu engama-60.
6. Utitshala uza kukuncedisa ekwenzeni imizekelo phambi kokuba uqalise ukubhala uvavanyo.

Umsebenzi wokuziqhelisa

1. Bala: $125 + 64$

I mpendulo: Ngokusebenzisa indlela yokubala ngentloko.

$$125 + 64 = 189 \quad \text{okanye}$$

I mpendulo: Ngokusebenzisa indlela yokucalucalula.

$$\begin{aligned} 125 &= 64 \\ &= 100 + 20 + 5 + 60 + 4 \\ &= 100 + 20 + 60 + 5 + 4 \\ &= 100 + 80 + 9 \\ &= 189 \end{aligned}$$

okanye

I mpendulo: Ngokusebenzisa indlela yokudibanisa (yokongeza).

$$125 + 60 \longrightarrow 185 + 4 \longrightarrow 189$$

Musa ukusebenzisa uhlobo lwekholam oluthe ngqo.

Uvavanyo luyaqala kwiphepha elilandelayo.

Biyela unobumba onempendulo echanekileyo kwimibuzo 1 - 6.

1. Landelelanisa la manani ukusuka kwelona lincinci ukuya kwelona likhulu.

172, 217, 127, 712

A 217, 127, 721, 172

B 721, 217, 172, 127

C 172, 127, 721, 217

D 127, 172, 217, 712

2. Calucalula eli nani - 489.

A $80 + 900 + 4$

B $400 + 80 + 9$

C $90 + 40 + 80$

D $800 + 90 + 40$

3. Phinda kabini $39 =$

A 69

B 79

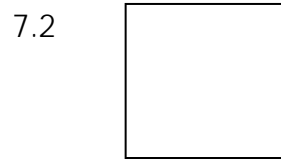
C 78

D 96

4. Xa usondeza ama-642 kwelona 10 likufutshane, isiphumo ngama- ...
- A 700
 - B 655
 - C 640
 - D 600
5. 9.45 a.m. kwiwotshi yosiba ibonisa ukuba ixesha ngu...
- A mkhono emva kwentsimbi yeshumi ngokuhlwa.
 - B mkhono emva kwentsimbi yeshumi kusasa.
 - C mkhono phambi kwentsimbi yeshumi ngokuhlwa.
 - D mkhono phambi kwentsimbi yeshumi kusasa.
6. Landelelanisa 1isiqingatha, 1ikota, 1 ithedi, 1isihlanu, ukusuka kwelona qhezu likhulu ukuya kwelona lincinci.
- A 1 ikota, 1 isiqingatha, 1 isihlanu, 1 thedi.
 - B 1 isiqingatha, 1 thedi, 1 ikota, 1 isihlanu.
 - C 1 ithedi, 1 isihlanu, 1 ikota, 1 isiqingatha.
 - D 1 isihlanu, 1 ikota, 1 thedi, 1 isiqingatha.

7. Bhala phantsi igama lento engu 3-D nemilo engu 2-D kwezi zizotywe ngezantsi.





8. Yandisa umzobo wepateni kube kanye.



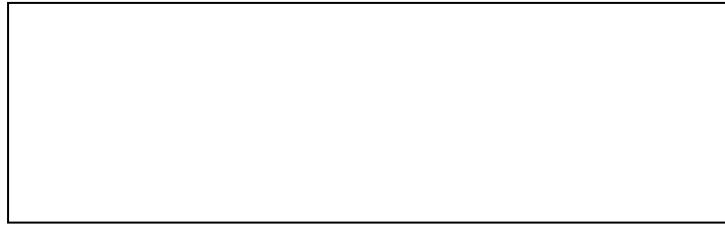
9. Bala ezi zibalo zilandelayo usebenzise uhlobo lokucalucalula:

9.1

$$795 - 213$$

9.2

$$584 + 137$$



10. Gqibezela itheyibhile:

10.1	Bala usiya phambili ngama-100	584				
10.2	Bala ubuya umva ngama-20	320				240

11. Bhala ngamagama eli nani: 468

_____.

12. Bhala isimboli yenani elingamakhulu amathathu anamashumi amathandathu.

_____.

13. Bhala phantsi ixabiso lenani elikrwelwe umgca ngaphantsi 754

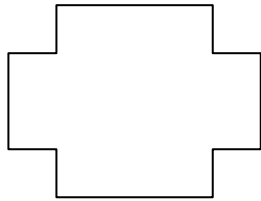
14. Gqibezela:

$$4+4+4+4+4+4 = \underline{\hspace{2cm}} \times 4.$$

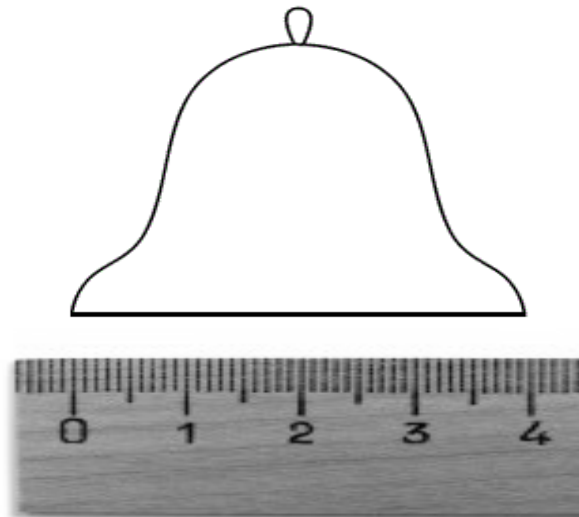
15. Bhala phantsi inani elilandela la amanani angezantsi.

125; 175; 225; 275; _____.

16. Zoba umgca wolingano-macala (simetri) kule milo ilandelayo.

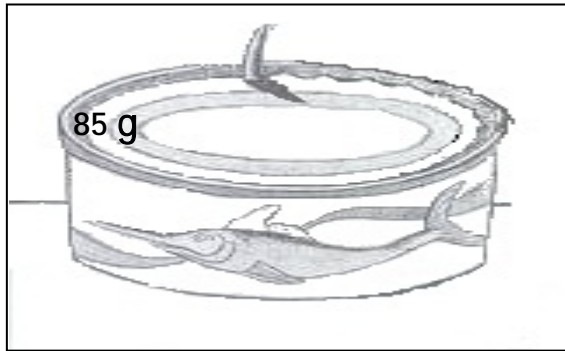


17. Bhala phantsi ububanzi bale ntsimbi.

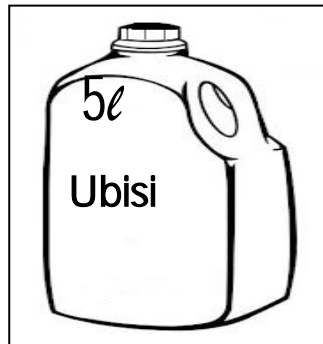


Ububanzi = _____ iisentimitha.

18. Biyela igama elichanekileyo kwezi zivakalisi zingezantsi.




18.1 Ubunzima betoti yentlanzi bulinganiswa ngee (gremz, sentimitha).



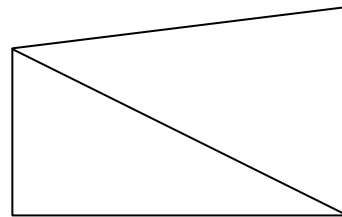
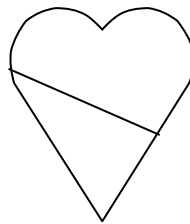
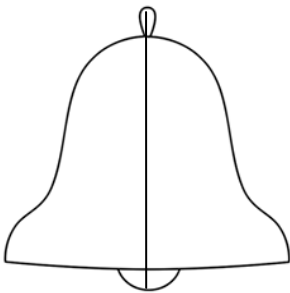
18.2 Umthamo webhotile yobisi ulinganiswa ngee(mitha, litha).

19. UJomo, uJonga , no Jili emnye kubo uneelolipop ezingama-37. Zingaphi iilolipop zabo zizonke?

20. Kwakukho iitshokolethi ezingama-36 ebhokisini. Ezo tshokolethi zahlulelwa abantwana. Umntwana ngamnye wanikwa iitshokolethi ezi-5. Bangaphi abantwana abafumana iitshokolethi, kwaza kwashiyeka zangaphi?



21. Biyela imilo eyahlulwe ngokulinganayo.








22. Nceda inj ana ifumane indlela eya endlwaneni yayo.

Inj ana ibaleke yaya emthini.

Yakuziva inxaniwe ibalekele edamini isiya kusela amanzi.

Emva koko ibaleke yaya ebhasini yaza yabuyela kwindlwana yayo.

22.1 Zoba iintolo ezibonisa indlela ehanj we yile nj ana.

22.2 Zingaphi iibhloko ezinyathelwe yile nj ana zizonke? _____





23 Jonga igrafu uze uphendule imibuzo elandelayo.

		Inani lamaphepha afundwe ngabafundi abane			
Inani lamaphepha afundiweyo ngeveki nganye	40				
	35				
	30				
	25				
	20				
	15				
	10				
	5				
		Jamie	Khanye	Lebo	Pulane

23.1 Ngabaphi abafundi abafunde inani lamaphepha alinganayo?

23.2 Ngubani ofunde awona maphepha maninzi?

24. Funda uluhlu lwamaxabiso uze uphendule imibuzo elandelayo.

Uluhlu lwamaxabiso		
I sixa seediliya	R5,50	
I payina	R10,00	
I apile	R5,50	
Iorenji	R6,00	

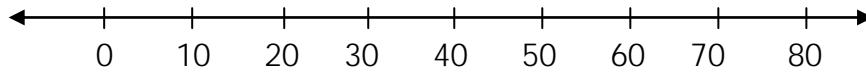
24.1 Amapayina ama-2 aza kubiza malini?

R_____

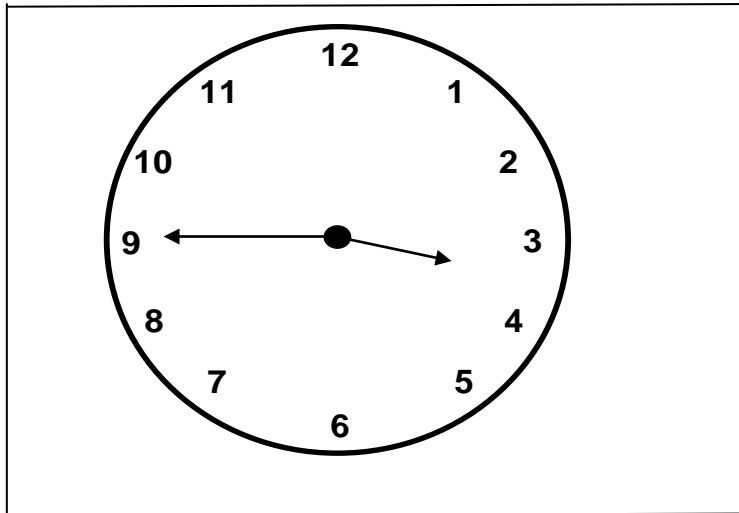
24.2 Iya kuba yimalini itshintshi xa ndithenge iorenji enye, ndabhatala nge R10,00?

R_____

25. Bonisa kumgca-manani indlela yokubala ama-20 + 30.

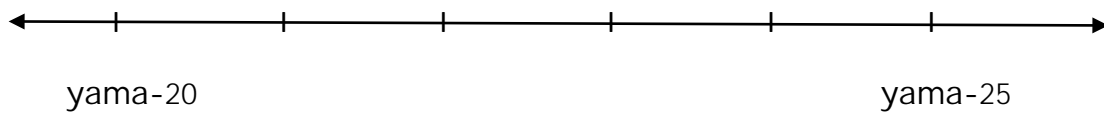


26. Gqibezela esi sivakalisi singezantsi.



Ixesha kule wotshi yosiba ngu _____

27. Fakela amanani e-ordinali ashiiweyo.



Amanqaku ewonke: 40