



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

AMANQAKU

IIMVAVANYO ZONYAKA NONYAKA KUZWELONKE 2013 IBANGA 4 MATHEMATIKA-ISIXHOSA UVAVANYO

AMANQAKU: 50

IXESHA: 1½ IYURE

IPHONDO _____

UMMANDLA _____

ISITHILI _____

SIKOLO _____

INOMBOLO YE EMISI (9iidijithi)

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IBANGA (Umz. 4A) _____

IFANI _____

IGAMA _____

ISINI (✓)

INKWENKWE

INTOMBAZANA

UMHLA WOKUZALWA

C	C	Y	Y	M	M	D	D
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Olu vavanyo lunamaphepha ali-11, ngaphandle koqweqwe.

Imiyalelo kumfundi

1. Funda yonke imiyalelo ngokugqibeleleyo.
2. Umbuzo 1 unemibuzo emi-6 eyimibuzo yeempendulo ezikhethwayo ozinikiweyo (multiple choice questions). Biyela unobumba onempendulo echanekileyo.
3. Phendula umbuzo 2 ukuya ku 19 kwisithuba osinikiweyo.
4. Wonke umsebenzi mawenziwe kwiphepha eli lemimbuzo hayi kwiphepha elisecaleni.
5. Amanqaku ewonke angama-50.
6. Eli phepha libhalwa ngeyure e- $1\frac{1}{2}$.
7. Utitshala uza kunceda kumbuzo ongumzekelo phambi kokuba uqale umbuzo 1.
8. Akuvumelekanga ukusebenzisa ikhalityuleyitha.

Umbuzo ongumzekelo

Biyela unobumba onempendulo echanekileyo.

$$8 \times 6 =$$

- A 48
- B 84
- C 72
- D 60

Uphendule kakuhle xa ubiyele u **A.**

QAPHELA:

- Uya kuphendula imibuzo emininzi ngolu hlobo ugqiba kuphendula ngalo.
- Yenza kangangoko ukuphendula umbuzo ngamnye nokuba awuqinisekanga ngempendulo.
- Bhala impendulo ocinga ukuba yeyona ichanekileyo uze ugqithele kumbuzo olandelayo.
- Xa sele uyiphendule yonke imibuzo kwiphepha ngalinye, uze ugqithele kwiphepha elilandelayo.
- Jonga kumsebenzi wakho kuphela.

1. Biyela unobumba onempendulo echanekileyo.

1.1 Liyintoni ixabiso ledijithi enomgca ngaphantsi ku 3 870?

A 80

B 8 000

C 800

D 8

(1)

1.2 Ama-6 555 xa esondezwe kwi 100 ekufutshane (*rounded off*) ngama:

A 6 550

B 6 650

C 6 500

D 6 600

(1)

1.3 Ireyishiyo (*ratio*) yenani leenkomo kwinani lemivundla sisi:



A 6 : 2

B 6 : 8

C 8 : 6

D 2 : 6

(1)

1.4 Liliphi inani elibala ngezi-6 (*multiple*)?

A 3

B 2

C 36

D 1

(1)

1.5 Gqibezela le patheni yamanani (*number pattern*):

3 275 ; 3 225 ; 3 175 ; _____.

A 3 150

B 3 225

C 3 125

D 3 325

(1)

1.6 Leliphi inani eliyifektha ye-12?

A 24

B 4

C 8

D 10

(1)

2. Gqibezela:

$$(2 \times 3) + (2 \times 4) = 2 \times (___ + 4)$$

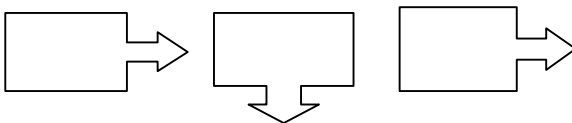
(1)

3. Gqibezela ipatheni nganye kwezi zilandelayo:

3.1 4 900 ; 4 925 ; 4 950 ; _____ ; 5 000 ; _____.

(1)

3.2



(1)

4. Gqibezela ipatheni yamanani nganye kwezi zilandelayo:

4.1 $\frac{2}{5}$; $\frac{3}{5}$; $\frac{4}{5}$; _____ .

(1)

4.2 2 ; 4 ; 8 ; 16 ; _____ .

(1)

5. UNkosikazi Mazibe uthenge i-apile nge-R1,20 waze walithengisa nge-R1,95.

5.1 Ingaba uNkosikazi Mazibe wenze malini ngokuthengisa i-apile elinye?

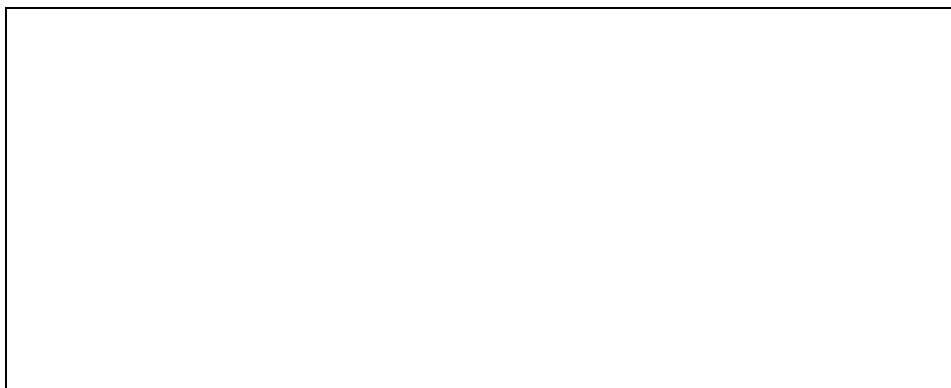
_____ (1)

5.2 Ingaba uNkosikazi Mazibe uya kwenza malini xa enokuthengisa ama-apile ali-10?

_____ (1)

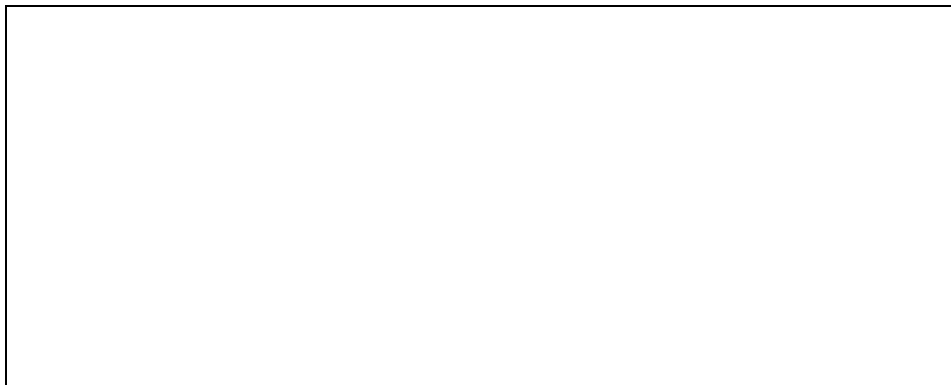
6. Bala iimpendulo zemibuzo ka 6.1–6.4.

6.1 $3\,456 + 2\,909$



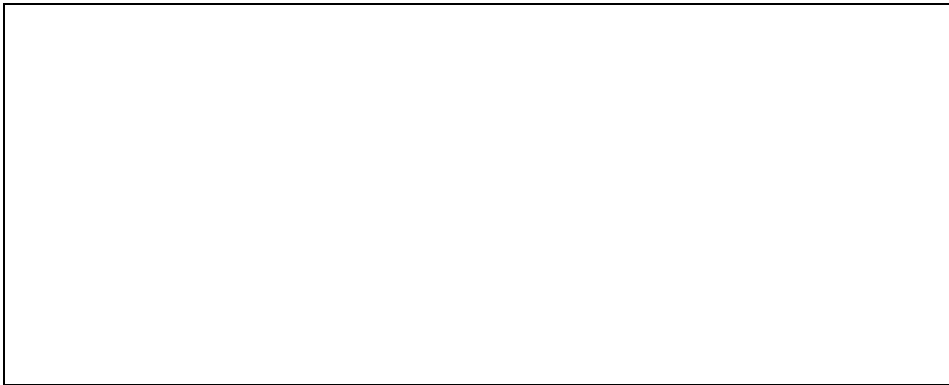
(2)

6.2 $5\,433 - 2\,104$



(3)

6.3 78×42



(3)

6.4 $654 \div 6$



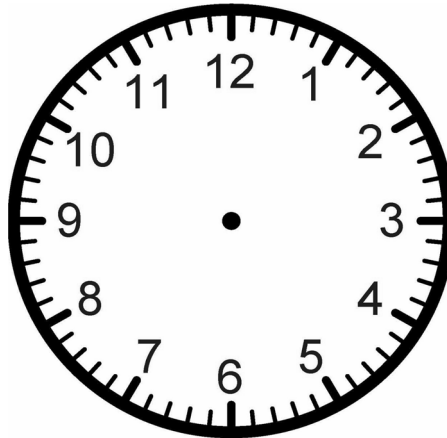
(3)

7. Bhala isivakalisi samanani (*number sentence*) endaweni yesi sivakalisi samagama silandelayo.

Uahluko phakathi kwe-1 613 nama-859 ngamakhulu asixhenxe anamashumi amahlanu anesine (*seven hundred and fifty-four*).

(1)

8. Zoba iintsiba kobu buso bale wotshi uyinikiweyo, ubonisa ixesha elingumkhono emva kwentsimbi yesibhozo (*quarter past eight*).



(1)

9. Jonga le bhodi yokumka kweenqwelo moya kwisikhululo seenqwelo moya (*airport*) uze uphendule imibuzo elandelayo.


EZIMKAYO		
APHO ZISUKA KHONA	IXESHA	INANI LENGQWELO MOYA
Mossel Bay	07:45	SAA 769
Knysna	10:20	BA 172
Johannesburg	20:00	SAA 372




- 9.1 Bhala phantsi inani lenqwelo moya eya kuhamba kwisikhululo sayo phambi kwemin'emaqanda.


(1)

- 9.2 Bhala phantsi inani lenqwelo moya eya kuhamba kwisikhululo sayo emva kwemin'emaqanda.

(1)

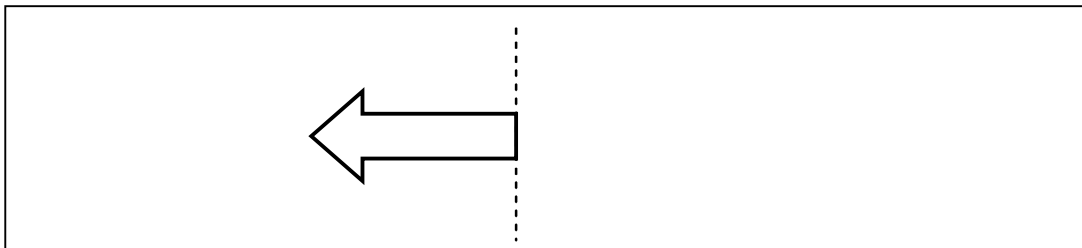
10. Jonga le gridi ingezantsi uze ubhale indawo apho umfanekiso  uhleli khona.

G					
F					
E					
D					
C					
B					
A					
	1	2	3	4	5

Indawo ohleli kuyo umfanekiso  ngu _____.

(1)

11. Zoba ireflekshini yotolo kumgca ohle ngqo ochokoziweyo.



(1)

12. Guqula oku kulandelayo:

12.1 12 m 48 cm = _____ cm

(1)

12.2 80 imizuzu = _____ iiyure _____ imizuzu

(1)

13. Gqibezela esi sazobe siqukuqelayo (*flow diagram*) :

Isiqalo (*Input*) Umthetho (*rule*) Isiphumo (*Output*)

7 \longrightarrow $\boxed{\times 5 + 9}$ \longrightarrow _____

(1)

14. UPoppy uthenga i-2ℓ yebhotile yobisi. Usebenzisa i-500 ml yobisi ukubhaka ikeyiki.

Ingaba lungakanani ubisi oluseleyo kwibhotile?



_____ ml

(2)

15. Sebenzisa udonga lwamaqhezu ukuphendula le mibuzo ilandelayo.

1 ezeleyo (<i>whole</i>)			
$\frac{1}{2}$		$\frac{1}{2}$	
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

- 15.1 Bhala uphawu $<$, $>$ okanye $=$ phakathi kwamaqhezu ukwenza inkcazelo (*statement*) echanekileyo.

$$\frac{1}{2} \text{ — } \frac{2}{4}$$

(1)

- 15.2 Faka umbala (*colour in*) oyi $\frac{3}{4}$ yomcwe wamaqhezu kudonga lwamaqhezu.

(1)

- 15.3 Sebenzisa udonga lwamaqhezu ukubala i $\frac{1}{4} + \frac{2}{4}$.

(1)

- 15.4 Umama wahlulele uNono nabahlobo bakhe aba-3 ikeyiki ngokulinganayo. Ingaba emnye kubo ufumene iqhezu elingakanani?

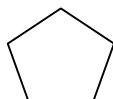
(1)

16.

IHEKHSAGONI	IPENTAGONI	UCALA-NE (QUADRILATERAL)	UNXANTATHU (TRIANGLE)
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Kwezi frem zingentla khetha igama lokuthiya imilo nganye eyi 2-D.

16.1



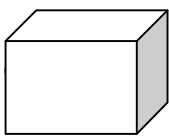
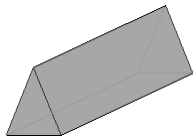
(1)

16.2



(1)

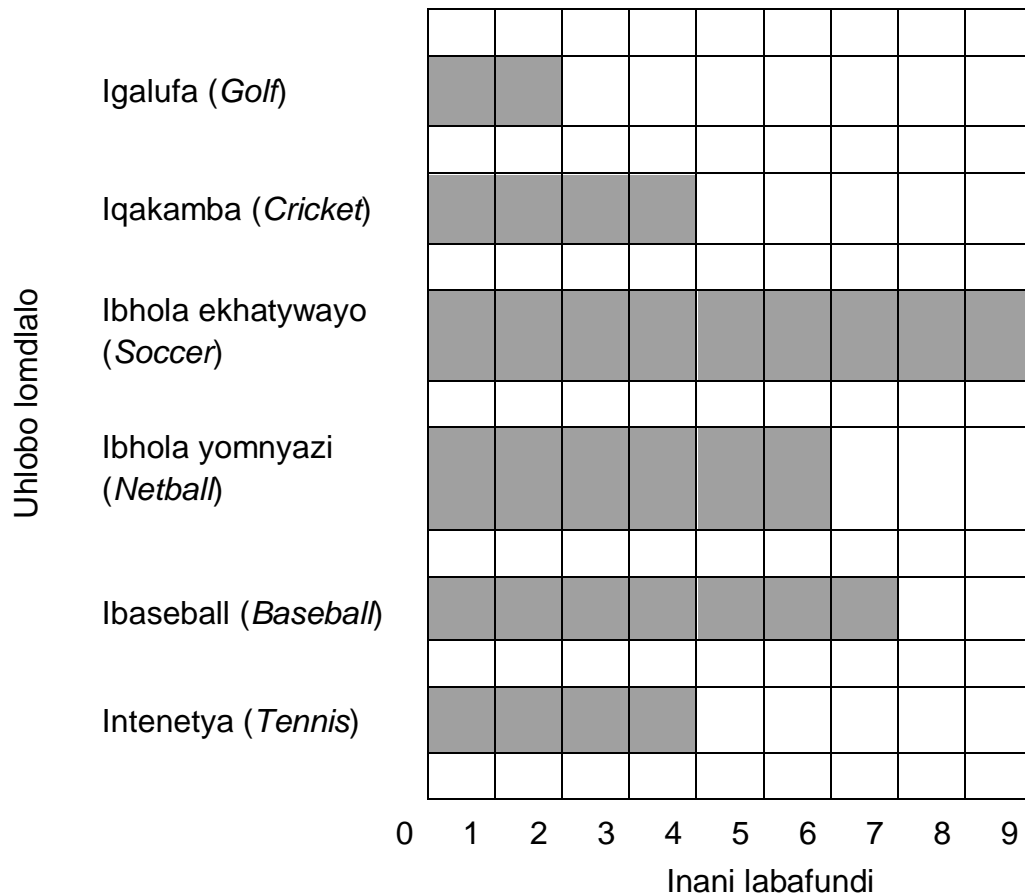
17. Gqibezela le theyibhile:

IMILO	IGAMA LEMILO	IMILO YEEMBUSO
	_____	Uxande (rectangle)
	Iprizim enxantathu	Unxantathu (triangle) ne _____

(2)

18. Le grafu (*bar graph*) ibonisa owona mdlalo uthandwayo ngabafundi bebanga lesi-4.

OWONA MDLALO UTHANDWA NGABAFUNDI



- 18.1 Gqibezela itafile yethali (*tally table*).

(3)

UHLOBO LOMDLALO	IIMPAWU ZETALI
Igalufa	
Ibaseball	
Intenetya	

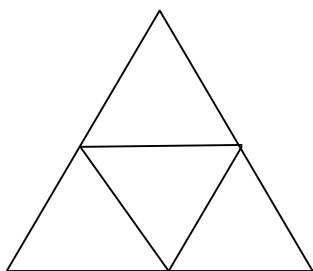
- 18.2 Nguwuphi owona mdlalo uthandwayo ngabafundi?

(1)

- 18.3 Uthini umahluko (*difference*) phakathi kwabafundi abakhetha i-soccer nabakhetha i-cricket?

(1)

19. Bangaphi oonxantathu (*triangles*) ezikule dayagram?



(2)

AMANQAKU EWONKE: 50