



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

# **IIMVAVANYO ZONYAKANONYAKA KUZWELONKE 2013**

## **IBANGA 1**

### **IMATHEMATIKA - ISIXHOSA IMIZEKELO YEMIBUZO**

**Le ncwadana inamaphepha ali-16, 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 ngokuye kukhula 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 zokubuza, 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).

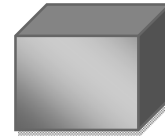
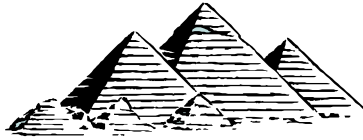
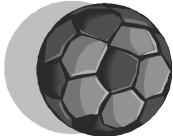
### 2. Imemorandam okanye iindlela zokuphendula

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

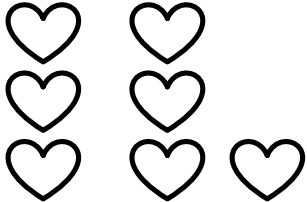
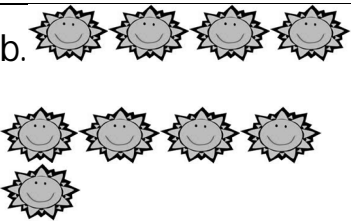
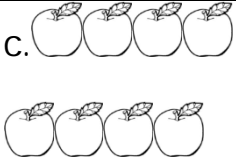
### 3. Ukugutyungelwa kwekharithulam

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).

1. Bhala u"X" kwinto engu 3-D enokuqengqeleka.



2

I mifanekiso	I simboli yenani	I gama lenani
a. 	<hr/>	Sixhenxe
b. 	9	<hr/>
c. 	<hr style="border-top: 1px dashed;"/>	<hr style="border-top: 1px dashed;"/>

3. Gqibezela ngokufakela amanani ashiyiweyo.

a.

2	4			10		14
---	---	--	--	----	--	----

b.

5		15		20	25	
---	--	----	--	----	----	--

c.

14	15		17	18		20
----	----	--	----	----	--	----

4. Fakela impendulo echanekileyo.

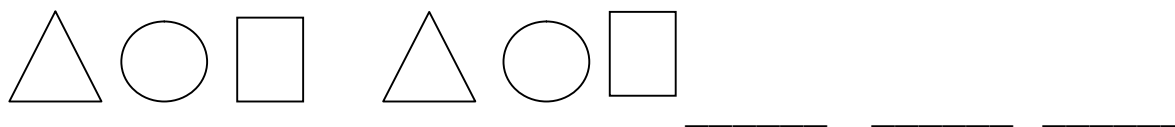
$$9 + 5 = \underline{\hspace{2cm}}$$

$$13 - 1 = \underline{\hspace{2cm}}$$

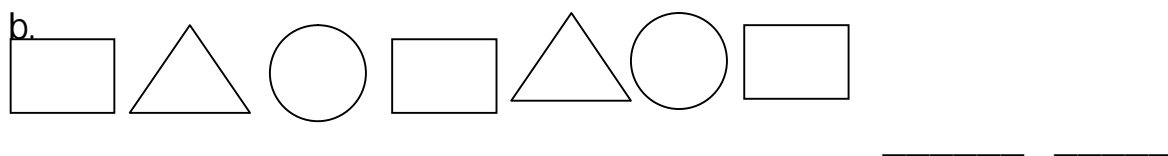
$$6 + 3 = \underline{\hspace{2cm}}$$

5. Gqibezela ezi pa teni.

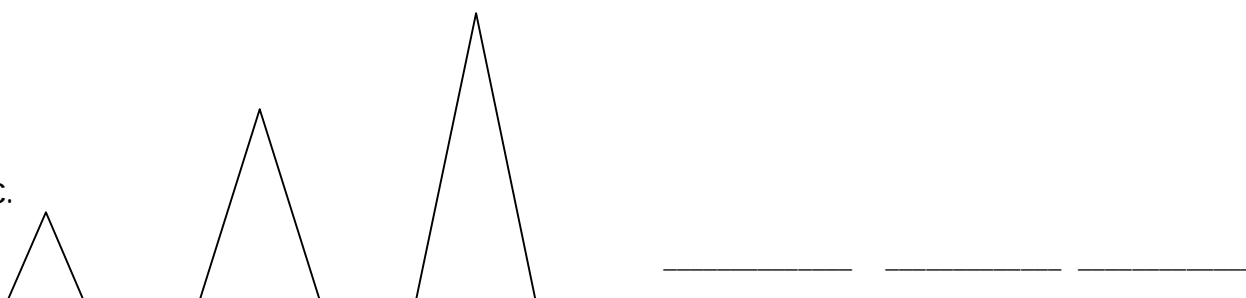
a.



b.



c.



6. Gqibezela le pa teni yamanani.

a. 35; 40; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 60

b. 10; \_\_\_\_\_; 30; \_\_\_\_\_; \_\_\_\_\_; 60

c. 1; \_\_\_\_\_; 3 ; \_\_\_\_\_; \_\_\_\_\_; 6

7.1 Zingaphi iinkwenkwezi ezizotywe kule festive ingezantsi? Fumana impendulo ngokudibanisa okuphindiweyo.

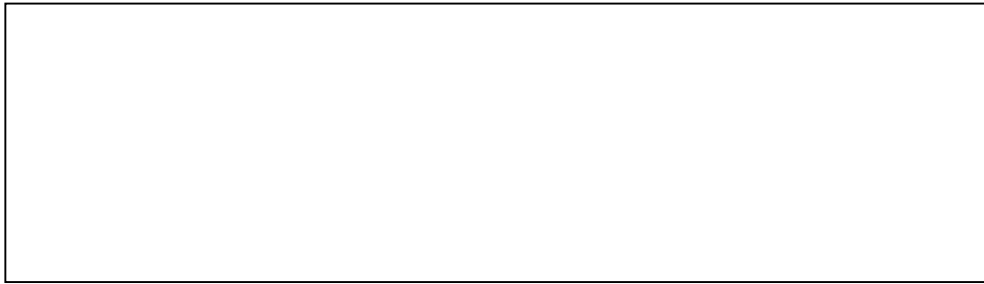


a. Impendulo \_\_\_\_\_

b. Mangaphi ama-apile azotywe apha ngezantsi? Sebenzisa ukudibanisa ngokuphinda xa ubala.



c. Ibhokisi enye ineekhrayoni ezi-9. Zingaphii ikhrayoni ezinokuba kwiibhokisi ezi- 3?



8.1 Cwangcisa la manani alandelayo uqale kwelona lincinci uye kwelona likhulu:

a. 15                      12                      13                      7

.

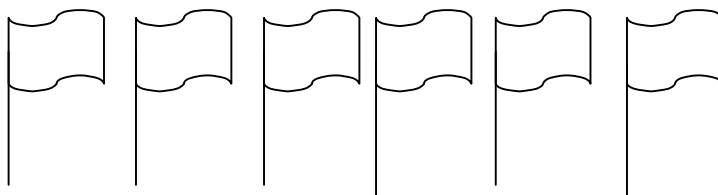
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b. 6                      8                      9                      7                      1

---

8.2 a. Bhala la manani alandelayo akwiflegi ukusuka kwelona likhulu ukuya kwelona lincinci

5, 2, 7, 1, 6, 4, 3



9. Jonga le khalenda ingezantsi uze uphendule imibuzo.

Matshi 2013						
Mvulo	Lwesi-bini	Lwesitha-thu	Lwesine	Lwesi-hlanu	Mgqibelo	Cawa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Loluphi usuku lwesi 5 emvako lwesithathu? \_\_\_\_\_

9.2 Gqibezela isivakalisi ngasinye.

Sebenzisa amagama **“Mvulo”** okanye **“Cawa”** okanye **“Lwesibini”**.

a. \_\_\_\_\_ lusuku emva kweCawa.

b. \_\_\_\_\_ lusuku phambi koMvulo.

9.3 Fakai inyanga ezishiyiweyo:

Janywari ; \_\_\_\_\_; Matshi; Epreli ; Meyi ; \_\_\_\_\_;

Julayi; Agasti; Septemba; Novemba; Disemba.



10.1

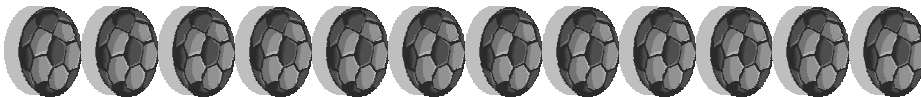


Umama unama-apile amathandathu waza wabela abantwana bakhe aba-2 ngokulinganayo.

Mangaphi ama-apile aza kufunyanwa ngumntwana ngamnye?

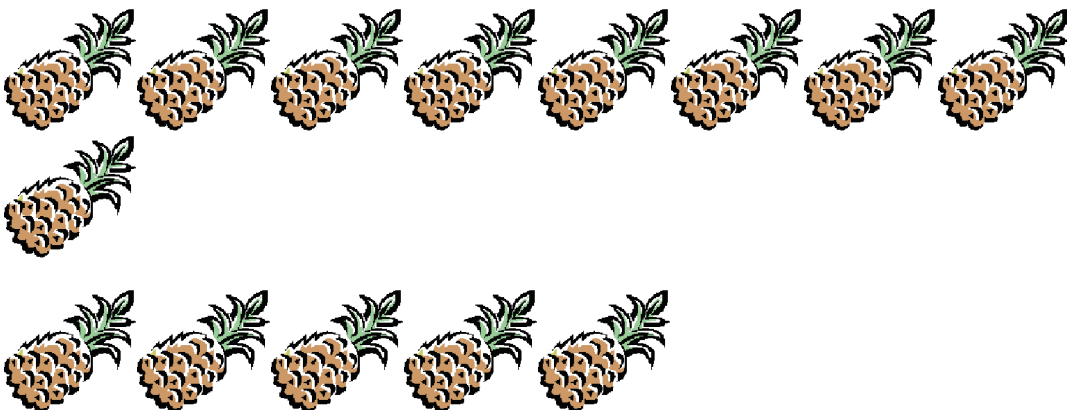
Umntwana ngamnye uyakufumana ama-apile a\_\_\_\_\_.

10.2 Yabela amakhwenkwe ama- 3 ngokulinganayo ezi bhola zili- 12 zisemfanekisweni.



Inkwenkwe inye ifumene iibhola ezi\_\_\_\_\_.

10.3 Yohlulela oomama aba- 7 ngokulinganayo amapayina ali-14.



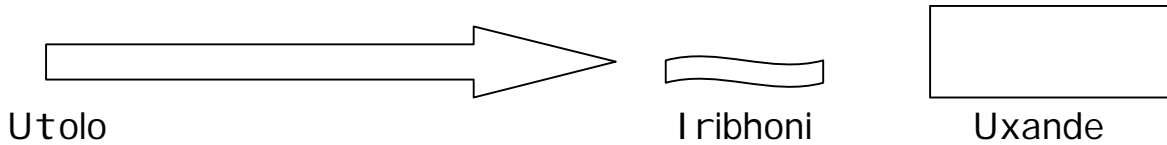
Umama ngamnye ufumana amapayina a\_\_\_\_\_.

11.1 Bhalau "X" kowona mgca mde.

Umgca A \_\_\_\_\_

Umgca B \_\_\_\_\_

Umgca C \_\_\_\_\_



11.2 Jonga le mifanekiso ingentla uze ufakei impendulo ezichanekileyo kwezi zivakalisi zingezantsi:

a. \_\_\_\_\_ yeyona nto imfutshane.

b. \_\_\_\_\_ lude kuneribhoni.

12. Sebenzisa umgca-manani ukubonisa ukuba ubadibanise nj ani:

a. 5 no 7.

--

b. 4 no 4.

--

c. 7 no 3.

--

13. Fakela inani elichanekileyo.

Inani	Inani eliphindwe kabini
4	
7	
	20

14.1 ULerato uneebhanana ezili-15. UJohn uneebhanana ezisi-8.

Balela kwesi sithuba usinikiweyo.

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Iibhanana zikaLerato zingaphezulu ngezingaphi kwezika John?

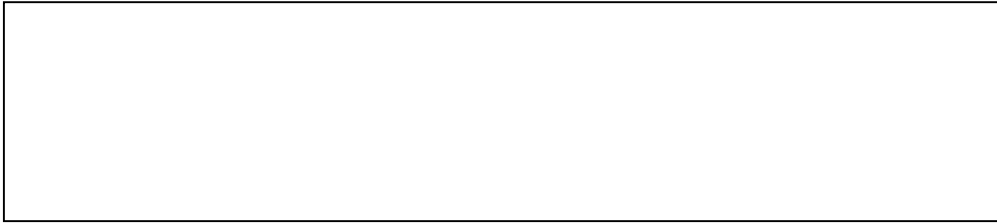
ULerato uneebhanana ezi \_\_\_\_\_ ngaphezulu kwezikaJohn.

14.2 ULizo uneeswiti ezi- 3aze uDumo abe neeswiti ezi- 6.

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ULizo noDumo baneeswiti ezi\_\_\_\_\_zizonke.

14.3 UVusi ukhe ama-apile ama-4,waze uNonto yena wakha ama- 5.



Bebobabini bakhe ama-apile a\_\_\_\_\_ .

15.1 Umama uthenge i-ayiskhrim nge R5.




a. Ziya kubiza malini iiayisikrimezi3?

R\_\_\_\_\_

b. Umama ubhatala nge R20. Iya kuba yimalini itshintshi aza kuyifumana xa ethenga iiayisikrim ezi 3?

R\_\_\_\_\_

15.2 Gqibezela le theyibhile. Umgca wokuqala sele uwenzelwe.

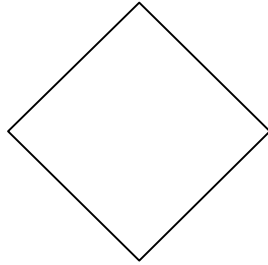
I xabiso lento:	Ndithenge nge:	I tshintshi yam yi:
Umz..  R 1,20c	R 2,00	80 c
 R 10, 00c	R 20,00	
 R 3, 00c	R 5,00	

UPuleune R 5, 00. Uthengei tshokolethi nge R 2,00 nebhanana nge R 2, 00. Itshintshi yakhe yimalini?

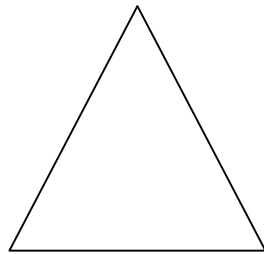


16. Zoba umgca wolingano-macala kule milo ilandelayo.

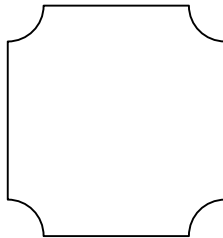
16.1





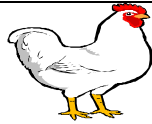






16.2



16.3






















17.1 Jonga le grafui ngezantsi uze uphendule imibuzo.

Inanilezi lwanyana	I zilwanyanaefama		
	5		
	4		
	3		
	2		
	1		
		I inkomo	I inkukhu
			I ihagu

I inkukhu zilinani elilinganayo nee\_\_\_\_\_efama.

17.2 Jonga igrafu yemifanekiso ngezantsi uze uphendule imibuzo elandelayo:

I khi:  imele umfundi omnye






















Izilo-qabane zabafundi				
I nani labafundi				
				
				
				
				
				
				
				
	Inj a	Ikati	Intlanzi	Intaka

- Bangaphi abafundi abaneentlanzi? \_\_\_\_\_
- Bangaphezulu kangakanani abafundi abaneekati kwabanezinj a? \_\_\_\_\_



17.3 Ngexesha lokudlala kuthengiswa iiflegi kwivenkile yesikolo yezimuncu-muncu.

ikhi:  imelei flegi enye.

				
				
				
				
				
				
NgoMvulo	IwesiBini	IwesiTha t hu	IwesiNe	IwesiHlanu

Jonga kwigrafu yemifanekiso uze uphendule imibuzo elandelayo.

a. Luluphi usuku ekuthengiswe ezona flegi zimbawwa?

\_\_\_\_\_

b. Inani leeflegi ezithengiswe ngoMvulo zi-

\_\_\_\_\_

c. Inani leeflegi ezithengiswe kule veki zi.

\_\_\_\_\_