



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

XIKAMBELO XA TIKO XA LEMBE NA LEMBE 2013

GIREDI 1

XITSONGA MATEMATIKI

SWIKOMBISO SWA SWIVUTISO

Xibukwana lexi xii na tipheji ta 20.

MALETELELO YA MATIRHISELO YA SWIKOMBISO SWA SWIVUTISO ANA

1. Matirhiselo ya swikombiso swa swivutiso

Mudyondzisi a nga fanelanga ku nyika vadyondzi swikombiso swa swivutiso ku hlamula swivutiso hinkwaswo leswi a nga nyikiwa hi siku rin'we, hambi leswi swikombiso swi nga hi swivumbeko swa tindzimana. **Mudyondzisi u fanele ku va a hlawula swivutiso swo karhi a tirhisa swona hi nkarhi wo karhi lowu a wu pulaneke.** Mudyonzisi u fanele ku hlawula swivutiso swo karhi hi vukheta leswi a nga ta swi tirhisa hi tindlela to hambanahambana eku dyondzeni na ku dyondzisa hi ndlela leyi:-

- 1.1 Vana va ta tsarisiwa xikambelo xo tsotsosela xo kambela vuswikoti na vuhluleki bya bona eku sunguleni ka dyondzo. Xikambelo lexi xo **lavisia** xi ta endla leswaku ku kumeka mbuyelo wa ntiyiso wa matsandzelo kumbe vuswikoti bya vana na ku va ku antswisiwa tidyondzo leti nga ta ololoxa swiphiqho. Xikambelo lexi xo **lavisia** xi ta tsariwa tani hi ntirho wa le kaya ku ka xi nga kavanyeti mintirho leyin'wana ya le titilasini.
- 1.2 Hi nkarhi wa ku tsariwa ka **xikambelo xa le xikarhi ka lembe** lexi kambelaka vuswikoti navutivi bya vana, tidyondzo leti ti fanele ku ka ti nga siyi n'wana na un'we ehandle.
- 1.3 Vana va ta kamberiwa hi ku tsala **xikambelo xo hela ka lembe** ku kambela loko vana va engeterile vutivi na vuswikoti eka tidyondzo leto antswisa. **Mbuyelo** wu fanele ku nyikiwa hi mudyondzisi a kombisa laha ka ha lavaka ku tlhela ku dyondzisiwa nakambe ku endlela ku **katsakanya** laha ku engetela mpfumalo wo ringanela wa vutivi na vuswikoti kona.
- 1.4 Vana va ta va va kuma mpfuno hi maendlelo lawa va nga ta kamberiwa hi wona, xik.ku hlamula hi ku hlawulanhlamulo leyi nga yona (MC) swivutiso xo pfuleka (OE) kumbe swivutiso swo lava nhlamulo yin'wana na yin'wana (FR), tinhlamulo to koma, sw na sw.

Hambi loko swikambelwa naswofembana swo akaswiko milekuya hi nhlayo leyinghenisiweke, xikambelwana xo katsakanya xona xi ta katsa swivutiso swotalanyana, kuya hi ntirho lowu nga endliwa eka nkarhi wo karhi. Swi na nkoka ku tiyisisa leswaku vadyondzi va hetelela va kumile kutito lovetako enela ka kuhlamula swivutiso swa swivutiso.

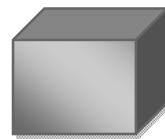
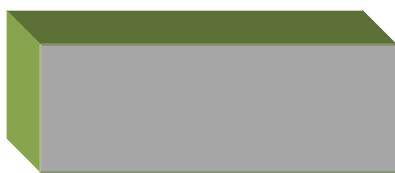
2. Maletelolo ya swivutiso na swikomba tinhlamulo

Xikombiso xa xikomba tinhlamulo (memorandum) xi nyikiwile eka swikombiso swa xikambelo leswi nga tsariwa hi makambelelo ya swikambelo swa tiko swa lembe na lembe (ANA). Xikomba tinhlamulo xi nyika vundzeni bya swilaveko leswi swi faneleke ku hlamula swivutiso swa vadyondzi leswi vadyondzisi va nga ta tlhela va swi twisia, va swi amukela ni ku swi twisia ku swi tirhisa hi ndlela leyi amukelekaka. Xikamba tinhlamulo xi tsariwile hi ndlela yo olova eka mudyondzisi.

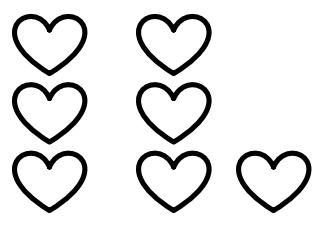
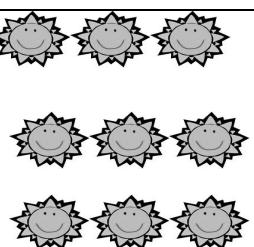
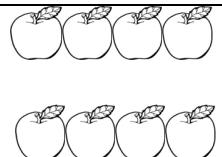
3. Swiangarhela na kharikhulamu

Swi fanerile leswaku kharikhulamu yi angarheriwa hi ku hetiseka eka tlilasi yin'wana na yin'wana. **Swikombiso** swa giredi yin'wana na yin'wan na dyondzo yin'wana na yin'wana a swi angarhelangi kharikhulamu. Swikombiso leswi i swo pfuna ku engetela vutivi na vuswikoti leswi angarhelaka titheme ta lembe ta 1, 2 na 3.

1. Dirowa xihambano "X" eka nchumu wun'wana na wun'wana wa 3-D lowu nga khungulukaka.



2. Hetisa

Swifaniso	Mfungho wa nomboro	Vito ra nomboro
a. 	_____	Nkombo
b. 	9	_____
c. 	-----	-----

3. Ngenisa tinomboro leti kayivelaka.

a.

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

b.

5		15		25		35
---	--	----	--	----	--	----

c.

14	15		17			20
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4. Tsala nhlamulo.

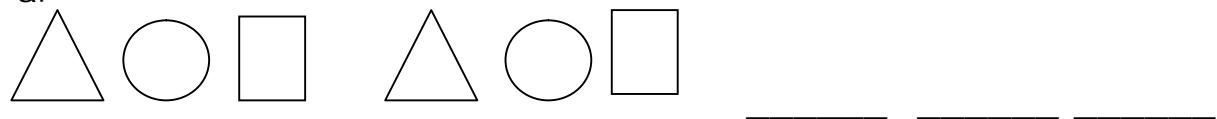
a. $9 + 5 =$ _____

b. $13 - 1 =$ -----

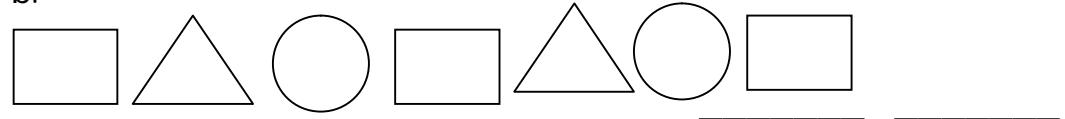
c. $6 + 3 =$ -----

5. Ndlandlamuxa tipatironi.

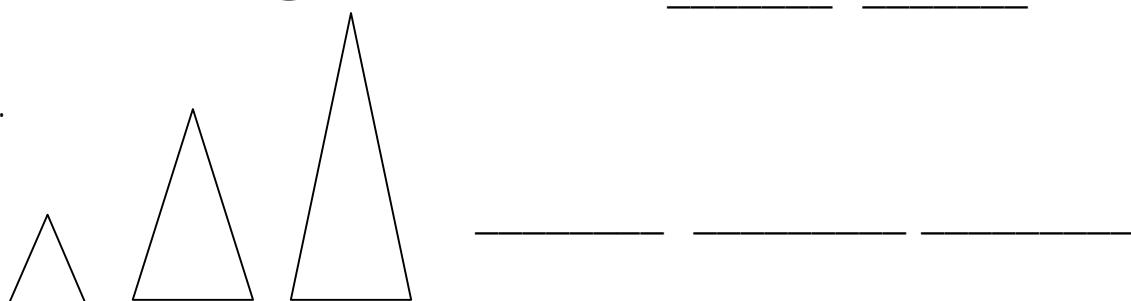
a.



b.



c.



6. Hetisa patironi ya tinomboro leyi landzelaka.

a. 35; 40; ____; ____; ____; 60

b. 10; ____; 30; ____; ____; 60

c. 1; ____; 3 ; ____; ____; 6

7.1 I tingani tinyeleti leti nga dirowiwa eka fureme laha hansi? Tirhisa "ku hlanganisa hi ku vuyelela" ku kuma nhlamulo.



a. Nhlamulo _____

b. I mangani malamula lama nga dirowiwa? Tirhisa "ku hlanganisa hi ku vuyelela" ku kuma nhlamulo ya wena.



c. Bokisi rin'we ri na 9 wa tikhirayoni. Xana mabokisi ma3 ya ta va na tikhirayoni tingani?

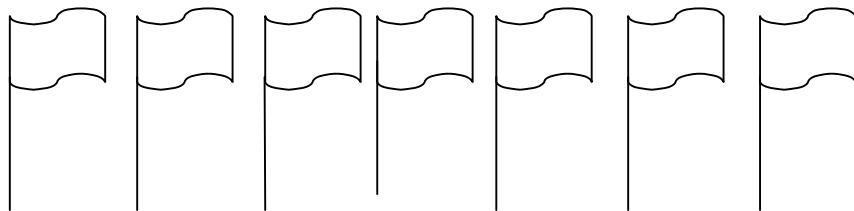
8.1 Xaxameta tinomboro leti landzelaka ku suka eka leyintsongo ngopfu ku ya eka leyikulu ngopfu:

- a. 15 9 12 13 7
-

b. 6 8 9 7 1

- 8.2 Tala tinomboro leti nga eka mij eko ku suka eka leyikulu ngopfu ku ya eka leyintsongo ngopfu.

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



9. Tirhisa khalendara leyi nga laha hansi ku hlamula swivutiso.

Nyenyankulu 2013							
Musum bhun uko	Ravum birhi	Ravunha rhu	Ravum une	Ravnt lha nu	Muqhivelia	Sonto	
				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	

9.1 Hi rihi siku leri taka 5 wa masiku endzhaku ka Ravunharhu?

9.2 Hetisa xivulwa xin'wana na xin'wana.

Tirhisa marito "**Musumbhunuko**" kumbe "**Sonto**" kumbe "**Ravumbirhi**"

a. _____ i siku leri taka endzhaku ka Sonto.

b. _____ i siku leri rhangelaka Musumbhunuko.

9.3 Nghanisa tin'hweti leti kayivelaka

Sunguti ;_____; Nyenyankulu; Dzivamisoko ;Mudyaxihi

;_____; Mawuwani ;Mhawuri ; Ndzhati; Hukuri

N'wendzamhala.

10.1



Manana u na maapula ya ntsevu lama a lavaka ku ma ava ku
ringana exikarhi ka vana va yena va2. Xana n'wana un'wana na
un'wana u ta kuma maapula mangani?

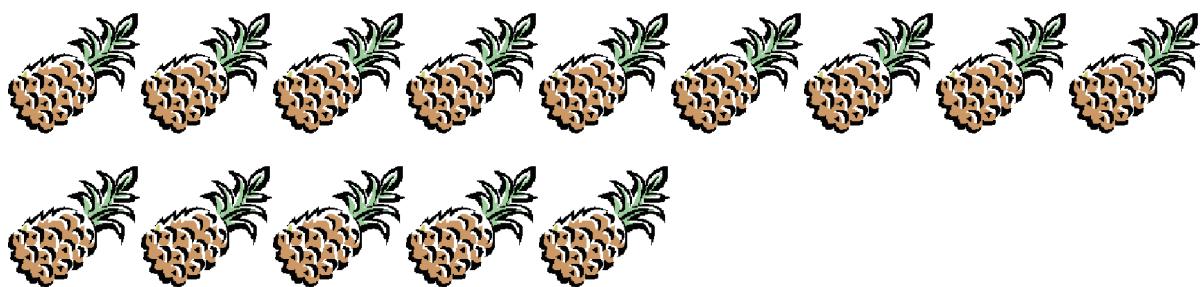
N'wana un'wana na un'wana u ta kuma maapula ma _____.

10.2 Ava 12 wa tibolo eka xifaniso exikarhi ka vafana va3.



Mufana un'wana na un'wana u kuma _____ wa tibolo.

10.3 Ava 14 wa swihenge ku ringana exikarhi ka vavasati va7.



Swihenge leswi nga ta kumiwa hi wansati un'wana na un'wana i

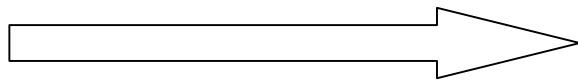
_____.

11.1 Dirowa xihambano "X" eka ntila lowu nga leha ngopfu.

Ntila wa A _____

Ntila wa B _____

Ntila wa C _____



Nseve

Rhiboni

Yinhlamune

11.2 Languta xifaniso lexi nga laha henhla kutani u nghenisa tinhlamulo eka swivulwa leswi nga laha hansi.

a. _____ yi komile ngopfu.

b. _____ yi lehilenyana ku tlula rhiboni.

12. Tirhisa ndzhati wa mintsengo ku komba mahlanganiselo ya wena.

a. 5 na 7.

b. 4 na 4.

c. 7 na 3.

13. Nghenisa nomboro leyi nga yona.

Nomboro	Nomboro yi mbirhihatiwile
4	
7	
	20

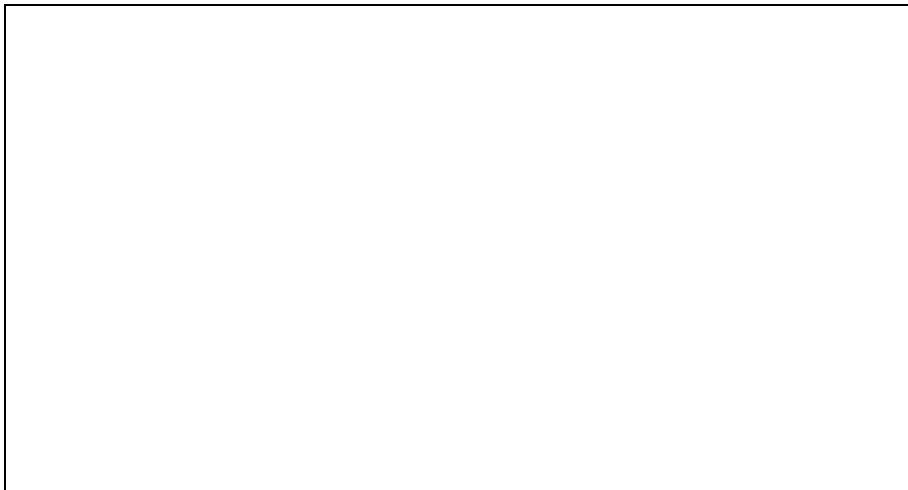
14. 1 Lulu u na 15 wa tibana. Tumi u na 8 wa tibana.

Khakhuleta nhlamulo eka xivandla lexi nyikiweke

Xana tibana ta Lulu ti tlula ta Tumi hi tingani?

Tibana ta Lulu ti tele ku tlula ta Tumi hi _____.

14.2 Lolo u na swiwitsi swi3 naswona Dingi u na 6 wa swiwitsi.



Lolo na Dingi va na _____ wa swiwitsi xikan'we.

14.3 Vunene u khile 4 wa maapula naswona Nonto u khile 5 wa maapula.



15.1 Manana u xavile ayisikhirimu hi R5

- a. Xana tiayisikhirimu ti3 to fana na leyi a yi xaveke ti ta va na nxavo wa mali muni?

- b. Manana u hakerile hi R20. U ta kuma cinci ya mali muni loko a xava tiayisikhirimu ti3?

15.2 Hetisa tafula. Rhowu yo sungula u endleriwile yona.

Nxavo wa nchumu:	Ndzi hakela hi:	Cinci ya mina i:
xik. R 1,20c	R 2,00	80 c
R 10,00c	R 20,00	a. _____
R 3,00c	R 5,00	b. _____

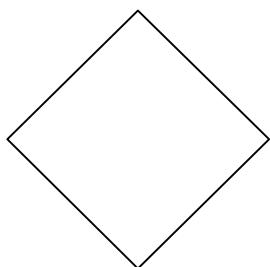
15.3

Phati u na R5, 00. U xavile chokoleti hi R2,00 na tibanana hi R 2, 00. Xana u ta kuma cinci ya mali muni?

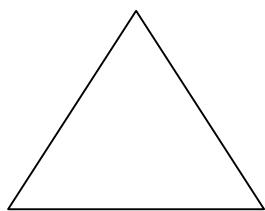


Dirowa ntila wun'we wa ndzinganiso eka xin'wana na xin'wana xa swivumbeko leswi landzelaka.

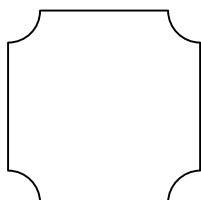
16.1



16.2



16.3



Tirhisa girafu leyi nga laha hansi ku hlamula swivutiso.

Nomboro ya swifu wo	Swifuwo epurasini			
	5			
	4			
	3			
	2			
	1			
		homu	huku	nguluve

17. 1 Ku na nomboro yo ringana ya tihuku na _____
epurasini.

Languta girafu ya swifaniso leyi nga laha hansi kutani u hlamula swivutiso leswi landzelaka:

Khiya:  xi yimela mudyondzi wu1

Swifuwana swa Vadyondzi				
Nomboro ya Vadyondzi				
Nomboro ya Vadyondzi				
				
				
				
				
				
				
				
	Mbyana	Ximanga	Nhlampfi	Tuva

- 17.2 a. I vangani vadyondzi lava nga na tinhlampfi? _____
- b. Vadyondzi lava nga na swimanga va tele ku tlula lava
nga na timbyana hi vangani? _____

17.3 Ku xavisiwa mij eko evhengeleni ra xikolo hi nkarhi wa bureki.

Khiya: xi yimela muj eko wu1.

Musumbhulu ko	Ravumbirhi	Ravunharhu	Ravumune	Ravuntl hanu

Languta girafu ya swifaniso kutani u hlamula swivutiso leswi landzelaka:

a. Hi rihi siku leri a ku xavisiwe mij eko yintsongo ngopfu?

b. Nhlayo ya mij eko leyi xavisiweke hi Musumbhuluko i

_____.

c. Ntsengo hinkwawo wa mij eko leyi xavisiweke evhikini i
