



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

XIKOMBISO XA XIKAMBELO SWA TIKO SWA

LEMBE NA LEMBE

GIREDI 1

MATEMATIKI

SETE YA 3 2012 XIKOMBISO XA XIKAMBELO

Maletelo ya matirhiselo ya swikombiso swa ANA

1. Nhlamuselo hi ku angarhela

Swikambelo swa Tiko swa Lembe na Lembe (ANA) i swikambelelo swo antswisa vuswikoti na vutivi bya vana leswi languteriweke ku va swi antswisiwile eku heleni ka tigiredi ta 1-6 na 9. Swi ta pfuneta na tidyondzo ta vona ta xikolo ta masiku hinkwawo na ku engetela vutitshembi ni ku va va ta kota ku humeleta eka swikambelo swa le handle. Nhlengeletano ya vadyondzisi na vativinkulu va tidyondzo ta Ririm na Mathematiki va tshamile hansi va endla swikombiso swa swivutiso swa swikambelo leswi nga tirhisiwaka eku dyondziseni ka Ririm na Mathematiki. Swikombiso leswi swa swikambelo swi huma eka kharikhulamu, leswi swi katsaka titheme ta 1,2, na 3 laha ku nga tlhela ku va na swikombiso swa swikambelo swa Tiko swa Lembe na Lembe(ANA) swa giredi yin'wana na yin'wana. Swikombiso leswi swi engetela swikambelo swa xikolo leswi swi kamberiwaka vana nkarhi na nkarhi kambe ku nga ri ku va swi pfala swona kumbe ku pasa hi swona.

2. Swi fambelana na swin'wana na swin'wana swa switirhisiwa swa ku dyondza na ku dyondzisa

Swikombiso swi endliwile hi ku landzelela swilaveko swa ku ya hi xitatimende xa pholisi ya kharikhulamu ya tigiredi R- 12(NCS), xitatimende xa pholisi ya kharikhulamu na makambelelo(CAPS) na tsalwa ra Huvo ya Rixaka ya Makambelelo (National Protocol for Assessment). Hinkwaswo switirhisiwa leswi na swin'wana swi tirhisiwile ku humesa switirhisiwa leswi swa xiyimo xa le henhla ku pfuna vadyondzisi eka ku pulana eka madyondziselo ya vona ya masiku hinkwawo na ku kambela vana.

3. Matirhiselo ya swikombiso swa xikambelo

Mudyondzisi a nga fanelanga ku nyika vadyondzi swikombiso swa xikambelo ku hlamlula 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:-

- 3.1 Vana va ta tsarisiwa xikambelo xo tsotsosela xo kambela vuswikoti na vuhluleki bya vona eku sunguleni ka dyondzo. Xikambelo lexi xo **lavisia** xi ta endla leswaku ku kumeka mbuyelo wa ntijiso 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 titlilasini.
- 3.2 Hi nkarhi wa ku tsariwa ka **xikambelo xa le xikarhi ka lembe** lexi kambelaka vuswikoti na vutivi bya vana, tidyondzo leti ti fanele ku ka ti nga siyi n'wana na un'we ehandle.
- 3.3 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 ringanelo wa vutivi na vuswikoti kona.

- 3.4 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.
- 4. Xikambelo xa le xikarhi ka lembe na xikambelo xo lavisia** swi ta va na swivutiso swo koma, kasi xikambelo xo hela ka lembe xi ta va na swivutiso swo hlaya leswi nga ta va swikatsakanya tidyondzo leti nga ta va tidyondzile.Xa nkoka i ku endlela leswaku vana va kota ku tolovetiwa ku hlamula swivutiso swa xikambelo hi ku landzelerisa **makambelelo ya swikambelo swa tiko swa lembe na lembe(ANA)**.

5. Maletelelo 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.

6. Swiangarhela na kharikhulamu

Swi fanerile leswaku kharikhulamu yi angarheriwa hi ku hetiseka eka tliasi 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 tithe ta lembe ta 1, 2 na 3. Ntirho lowu wu angarhela na tithe ta xikolo leti vekiweke ku ya hi tsalwa ra CAPS.

7. Mahetelelo

Xikongomelo xa Mfumo i ku antswisa xiyimo xa dyondzo ni ku antwsisa vutivi bya ririm ra le kaya na nyumeresi eka dyondzo ya vana va le hansi. Xikambela xa Tiko xa Lembe na Lembe (ANA) i xitirho lexi Mfumo wa le Xikarhi wu xi tirhisaka ku kambela loko vana va karhi va engetela kumbe ku ka va nga engeteli vutivi na vuswikoti eka tidyondzo ta Rirmi ra le kaya na tidyondzo ta Numeresi eka vana. Swifundzhantsongo na Swikolo swi fanele ku seketela vadyondzisi eka ku humelerisa xikambelo xa Tiko xa Lembe na Lembe (ANA) hi ku vona leswaku ku na switrhisawa leswi faneleke ku endlela ku tlakusa dyondzo ya vana eswikolweni. Hi ku tirhisa Swikombiso swa xikambelo xa Tiko xa Lembe na Lembe(ANA), vadyondzisi va ta kota ku tolovetiwa vana hi tindlela to hambarahambana ta mavutiselo ya xikambelo.Loko ko landzelerisa swikombiso swa xikambelo hi mfanelo, vana va nga tokota ngopfu hi vutivi na vuswikoti lebyikulu lebyi nga endlaka leswaku va humeleta eka xikambelo xo hela ka lembe xa Tiko xa Lembe na Lembe (ANA).

Tinomboro, Tioparexini na Vuxaka.

1. Hlayela swifaniso swa swiluva kutani u nghanisa nomboro ya swona leyi nga yona.



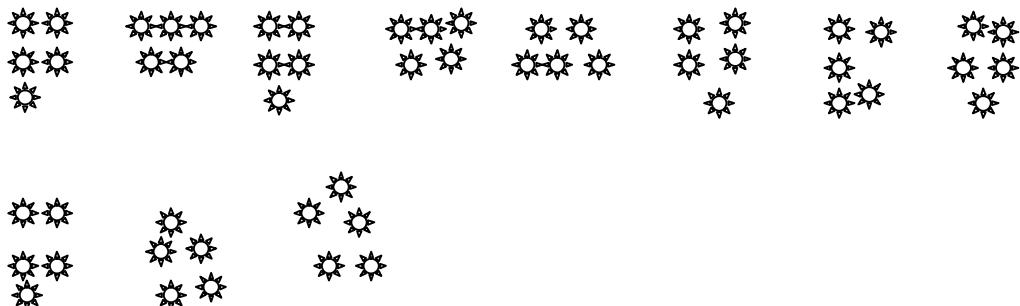
2. Hlayela swifaniso swa tinyeleti kutani u nghanisa nomboro ya tona leyi nga yona.



3. Hlayela swifaniso swa swikatsa swa tibaloni kutani u tsala nomboro ya swikatsa leswi nga kona.



4. Xana i mitlawa yingani ya va5 ya swiluva leyi kombisiweke eka xifaniso?



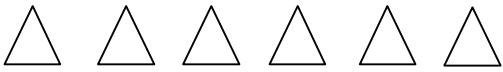
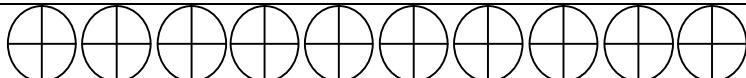
5. Xana ku na mahlo mangani eka swifaniso leswi swa 8?



10. Dirowa ntila ku pananisa vito ra nomboro na mfungho wa nomboro hi ndlela leyi nga yona .

- a. Ntlhanu 10
- b. Khume 2
- c. Kaye 5
- d. Mbirhi 9

11. Langutisa xifaniso. Tsondzela nomboro leyi pananaka na nomboro ya swilo leswi nga eka ntlawa wun'wana na wun'wana.

a.		4 6 8 10
b.		4 6 8 10
c.		4 6 8 10
d.		4 6 8 10

12. Dirowa ntila ku pananisa mimfungho ya tinomboro leyi fanaka.

19

73

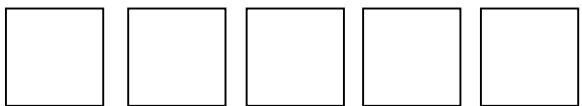
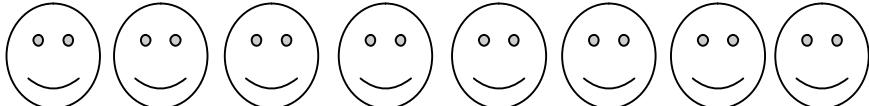
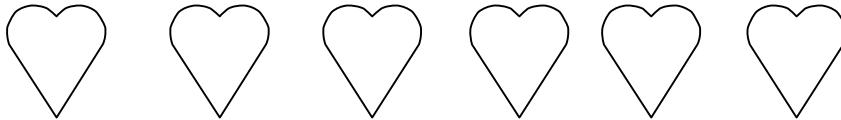
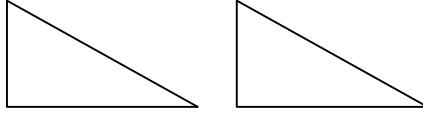
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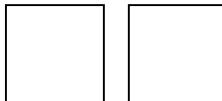
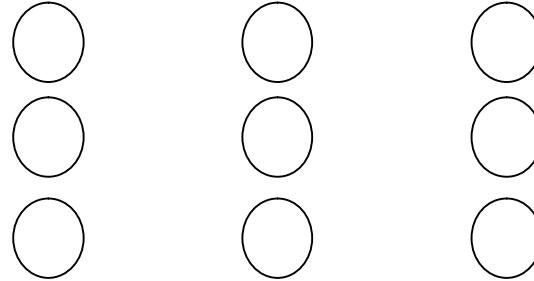
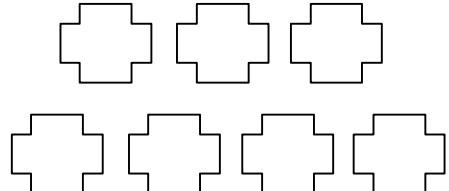
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13. Exibokisanini xin'wana na xin'wana tsala mfungho wa nomboro lowu nga ta pana na nomboro ya minchumu leyi nga eka fureme.

a.		
b.		
c.		
d.		

14. Hetisa tafula leri nga laha hansi.

	Minchumu	Mfungho wa nomboro	Vito ra nomboro
a.		2	
b.			Kaye
c.			Nharhu
d.		7	

15. Tsala mavito ya tinomboro ya mimfungho ya tinomboro
leyi landzelaka:

a.	1	
b.	4	
c.	8	
d.	10	
e.	5	

16. Pananisa mfungho wa nomboro na vito ra nomboro leyi
nga yona.

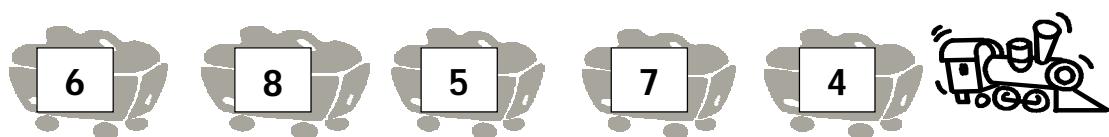
7	Mbirhi
1	Kaye
3	Nkombo
9	N'we
2	Nharhu

17. Xaxamete tinomboro leti landzelaka ku suka eka leyintsongo ku ya eka leyikulu.

11 ; 14 ; 10 ; 13 ; 12

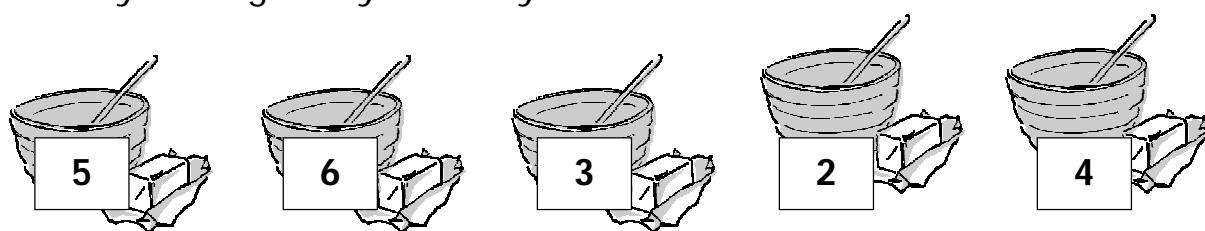
_____ ; _____ ; _____ ; _____ ; _____

18. Tsala tinomboro leti tsariweke ehenhla ka xitimela ku suka eka leyikulu ku ya eka leyintsongo.



_____ ; _____ ; _____ ; _____ ; _____

19. Tsala tinomboro leti tsariweke ehenhla ka swibye ku suka eka leyintsongo ku ya eka leyikulu.



_____ ; _____ ; _____ ; _____ ; _____

20. Langutisa xifaniso kutani u nghanisa "to tala", "tintsongo" kumbe "to ringana" ku hetisa xivulwa .

A

0000
000
000

B

000
000
000

C

00
0000
000

D

000
00

a. A yina tidoto _____ .

b. B yi na tidoto _____ na ta C.

c. D yi na tidoto _____ .

21. Langutisa swifaniso kutani u hlamula swivutiso.



movha



munhu



homu

Xifaniso xa

a. _____ i xo sungula.

b. _____ i xo hetelela.

c. _____ xi le xikarhi.

22. Langutisa swifaniso swa swiharhi kutani u nghanisa rito ku hetisa xivulwa xin'wana na xin'wana.



vun'we

vumbirhi

vunharhu

vumune

vunthanu

a. Xifaniso xa i xa _____.

b. Xifaniso xa i xa _____.

23. Laha ku na 7 wa maletere alifabete.

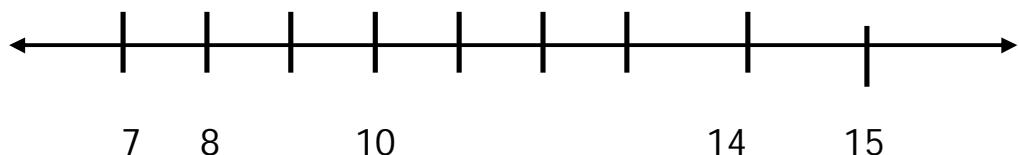
s m a b e w r

a. Letere leri nga eka ndhawu ya vunharhu i
_____.

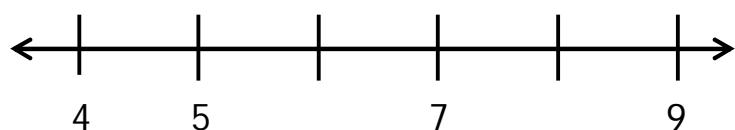
b. Letere leri nga emahlweni ka e i _____.

c. Letere leri nga endzhaku ka w i _____.

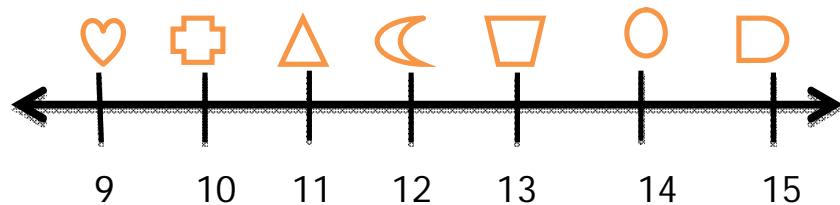
24. Tsala tinomboro leti kayivelaka etindhawini leti nga fanel a eka lerhe ra tinomboro (ndzhati wa mintsengo).



25. Ngenisa tinomboro leti kayivelaka eka lerhe ra tinomboro (ndzhati wa mintsengo).



26. Langutisa swivumbeko eka ndzhati mitsengo kutani u dirowa xin'wana na xin'wana eka xivandla lexi faneleke.



	Ndhawu	Xivumbeko
a.	Ndhawu ya vu10	
b.	Ndhawu ya vu11	
c.	Ndhawu ya vu13	
d.	Ndhawu ya vu15	

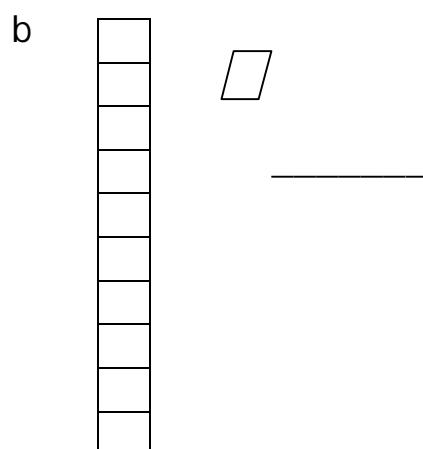
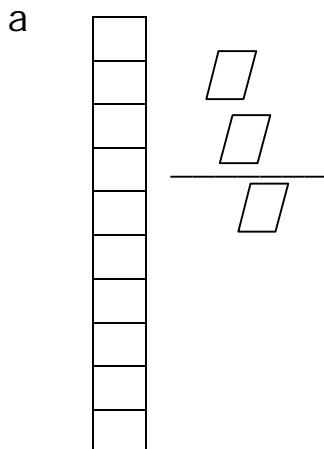
XIYIMELA-NKOKA

1. Hetisa xivulwa xa tinomboro xin'wana na xin'wana.

a. $12 = 1 \text{ vukhume} + \underline{\hspace{2cm}} \text{ vun'we}$

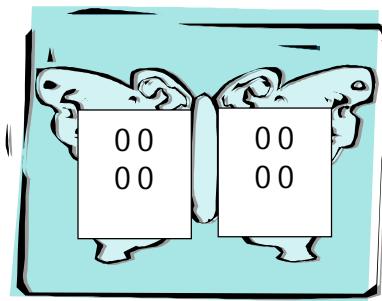
b. $15 = 1 \text{ vukhume} + \underline{\hspace{2cm}} \text{ vun'we.}$

2. Tsala nomboro yin'wana na yin'wana leyi kombisiweke .

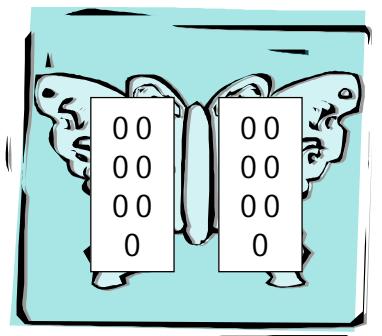


TIOPAREXINI NA TINOMBORO

1. Hlayela swivumbeko leswi nga eka timpapa ta maphaphatani kutani nghenisa tinhlamulo leti faneleke.



Mbirhihata 4 = _____



Mbirhihata 7 = _____

2. Nghenisa nhlamulo yin'wana na yin'wana

a. Mbirhihato wa

$$5 =$$

b. Mbirhihato wa

$$6 =$$

c. Mbirhihato wa

$$2 =$$

3. Nghenisa vito ra nomboro leri nga rona. Leyo sungula u endleriwile yona.

- a. Mbirhihato wa ntlanu i khume.
- b. Mbirhihato wa n'we i _____.
- c. Mbirhihato wa ntsevu i _____.
- d. Mbirhihato wa nharhu i _____.

4. Tirhiswa swifaniso ku hafula tinomboro.

0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0 0	

a. Hafu ya 8 = _____

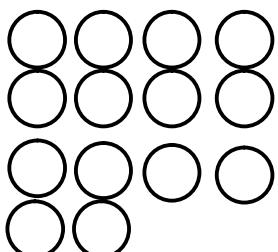
b. Hafu ya 12 = _____

c. Hafu ya 2 = _____

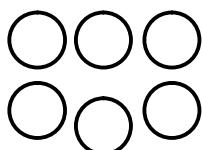
5. Dlaya hafu ya swirhendzevutana kutani u nghenisa nhlamulo leyi nga yona. Leyo sungula u endleriwile yona .



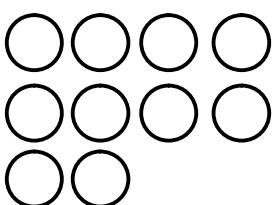
a. Hafu ya $2 = 1$



b. Hafu ya $14 = \underline{\hspace{2cm}}$

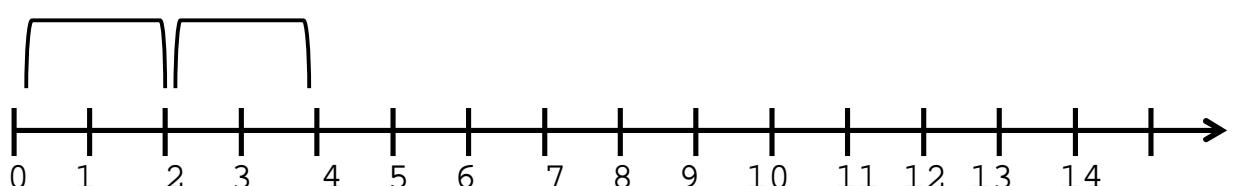


c. Hafu ya $6 = \underline{\hspace{2cm}}$



d. Hafu ya $10 = \underline{\hspace{2cm}}$

6. Hlayela hi vambirhi ku suka eka 0 ku fika eka 14. Kombisa leswi ku tlurisiweke swona eka lerhe ra tinomboro (ndzhati wa mintsengo). Ku tlula ku2 loku ko sungula u endleriwile kona.



Hlamula swivutiso xa 7 ku fika eka xa 20 leswi khumbhaka ku hlanganisa, ku susa, ku hanganisa hi ku vuyelala, ku ntlawahata na ku avelana.

7.

a. $4 + 3 =$ _____

b. $5 + 6 =$ _____

c. $2 + 4 =$ _____

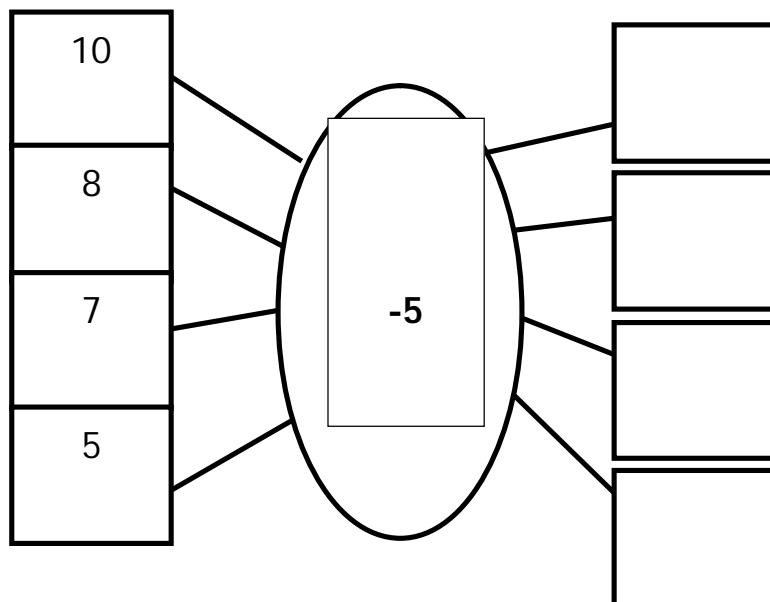
8.

a. $7 + 10 =$ _____

b. $8 + 4 =$ _____

c. $9 + 6 =$ _____

9.



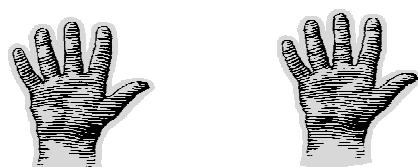
10. Hlayela tintiho kutani u nghenisa nhlamulo leyi nga yona .

a.



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

b.



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

11.

a. $4 + 1 + 2 =$ _____

b. $2 + 0 + 9 =$ _____

c. $1 + 5 + 6 =$ _____

12.

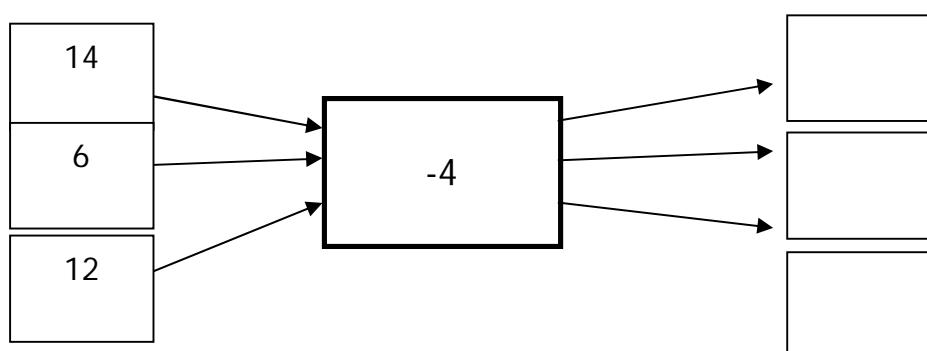
a. $7 - 2 =$

b. $13 - 3 =$

c. $8 - 8 =$

d. $15 - 1 =$

13.



14.

a. $10 - \underline{\hspace{2cm}} = 7$

b. $8 - 3 = \underline{\hspace{2cm}}$

c. $\underline{\hspace{2cm}} - 2 = 13$

15. Lulu u dya mabisikiti ma3 nimixo, mabisikiti ma3 ninhlikanhi na mabisikiti ma3 loko xikolo xi humile. Xana u dyile mabisikiti mangani hinkwawo?

16. Hetisa xin'wana na xin'wana xa leswi landzelaka.
Xikombiso:

$$\text{OO} + \text{OO} + \text{OO} = \text{OOOOOO}$$

$$2 + 2 + 2 = 6$$

a. $\text{OOO} + \text{OOO} + \text{OOO} = \underline{\hspace{2cm}}$

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

b. $\text{OOOO} + \text{OOOO} + \text{OOOO} = \underline{\hspace{2cm}}$

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

17. Dirowa mintlawa yimbirhi yo ringana ya swirhendzevutana eka xin'wana na xin'wana xa leswi landzelaka.

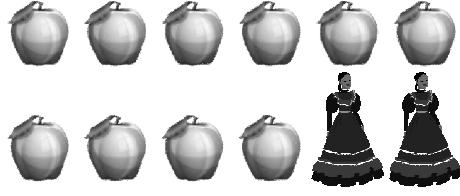
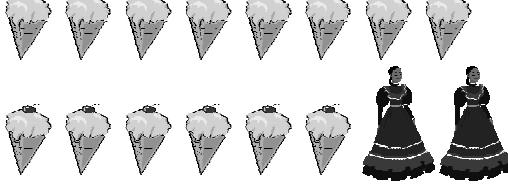
a. OOOOOO	<input type="text" value="ooo"/> <input type="text"/>
b. OOOO	
c. OOOO OOOO	
d. OOOOO OOOOO	

18. Ku na mintlawa yingani ya tibaloni tinharhunharhu eka xifaniso lexi landzelaka?

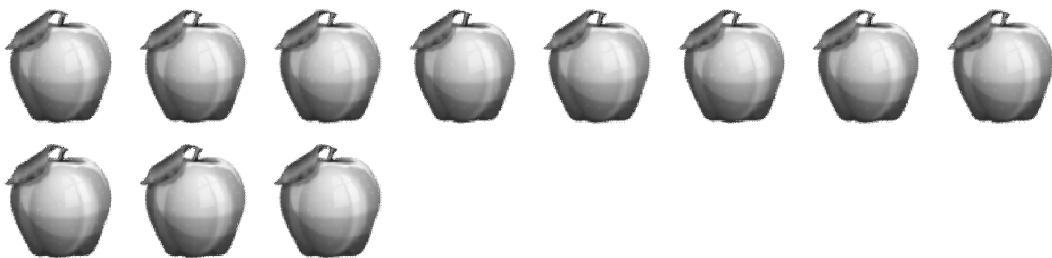


_____ wa mitlawa ya va3.

19. Langutisa xifaniso kutani u ava swakudya ku ringana exikarhi vanhwanyana lava nga kona. Tsala leswi nhwanyana un'wana na un'wana a nga ta kuma swona.

	<p>a. Un'wana na un'wana u kuma _____ wa maapula.</p>
	<p>b. Un'wana na un'wana u kuma _____ wa swiwitsi.</p>
	<p>c. Un'wana na un'wana kuma _____ wa tiayisikhirimu.</p>
	<p>d. Un'wana na un'wana u kuma _____ mapyere.</p>

20. Ava 11 wa maapula ku ringana exikarhi ka vana va2.



- a. Xana n'wana un'wana na un'wana u kuma maapula mangani? _____ .
- b. I mangani maapula lama salaka? _____ .

MALI

1. Hetisa leswi landzelaka:

	Ndzi xava		Ndzi tirhisile
a.	 10c	 5c	
b.	 R5	 R2	
c.	 30c	 50c	
d.	 R10	 R6	

2. Peggy u xavile buku hi R3 na tikhirayoni hi R9. Xana u kumile cinci ya mali muni loko a hakerile mali ya phepha ya R20?

3. Tsala ntsengo wa swin'wana na swin'wana swa leswi landzelaka :

a. R 5 + R 4 = _____

b. 20c + 15c = _____

4. Xana i swingwece swingani swa ti5c leswi endlaka 20c?



_____ wa swingwece.

5. Xikukwana xin'we xi na nxavo R4. Xana swikukwana swa4 leswi fanaka na xona swi na nxavo wa mali muni?

TIPATIRONI, TIFANKIXINI NA ALIJEBURA

1. Dirowa swivumbeko kumbe minchumu mi2 leyi landzelaka kun'wana na kun'wana.

a. IIII = IIII _____

b.    _____

c.     _____

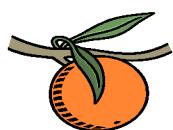
VUNDHAWU NA XI VUMBEKO

1. Langutisa swifaniso leswi nga laha ehansi. Tsondzela minchumu leyi khungulukaka. Endla "X" ehenhla ka minchumu leyi rhetaka.

a. Nghilazi



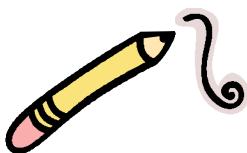
b. Lamula



c. buku



d. Pensele



2. Tirhis marito "Ina" kumbe "E-e" ku hlamula swivutiso

a. Xana  xa khunguluka ke? _____

b. Xana  xa khunguluka ke? _____

c. Xana  xa rheta ke? _____

d. Xana  xa rheta ke? _____

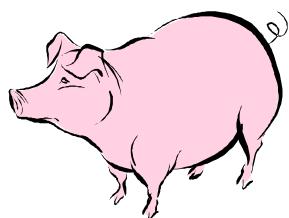
3. Hetisa xivulwa xin'wana na xin'wana hi ku tirhis marito "emahlweni ka" kumbe "endzhaku ka".



a. Dyambu ri le _____ ka yindlu.

b. Movha wu le _____ ka yindlu.

4. Hi xahi xifaniso xa xiharhi lexi nga exineneni ka nseve?



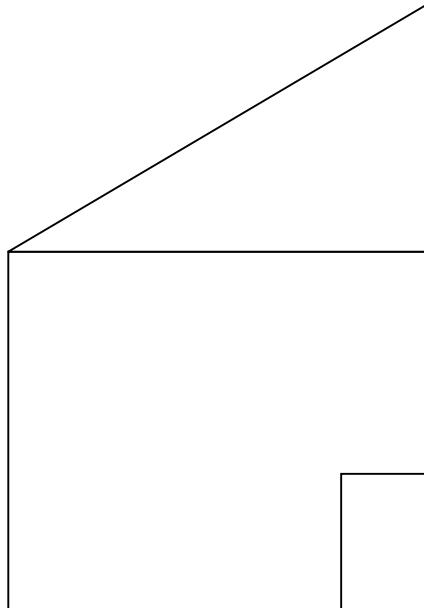
nguluve



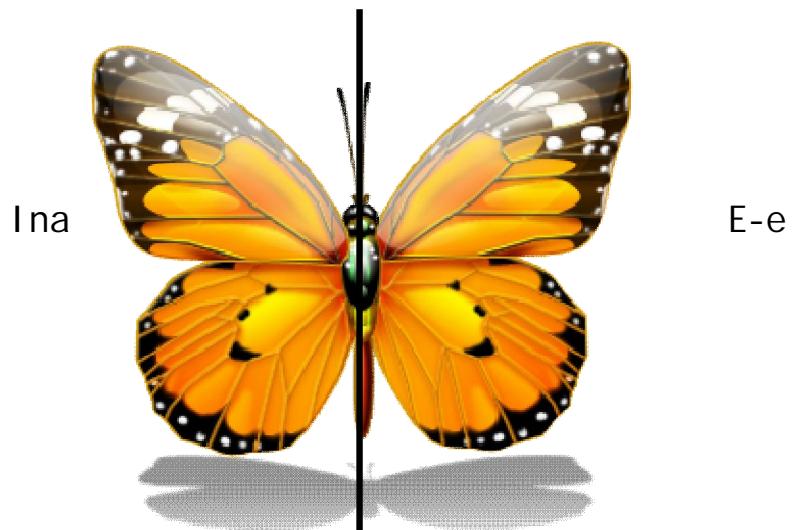
ximanga

Xifaniso xa _____ xi le xineneni eka nseve.

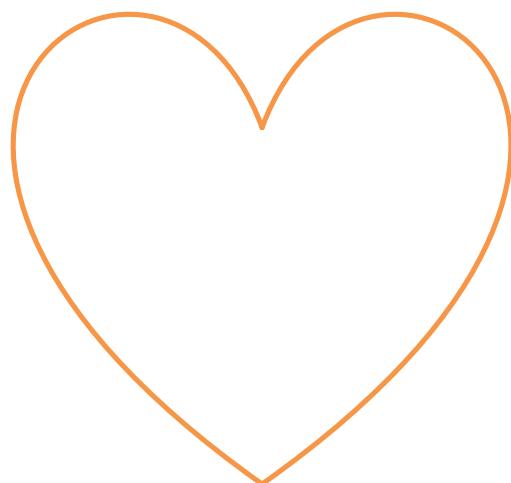
5. Dirowa xiphemu lexin'wana xa xifaniso ku endlela leswaku xifaniso xi va na ntila wa ndzinganiso.



6. Xana xifaniso xi komba ntila wa ndzinganiso ke? Tsondzela rito leri nga rona.



7. Dirowa ntila wa ndzinganiso eka xivumbeko.



Mpimo

1. Langutisa khalendara kutani u hlamula swivutiso leswi landzelaka .

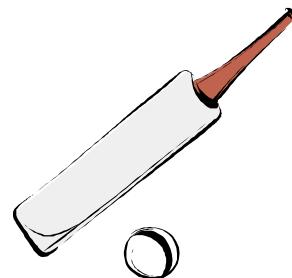
Khotavuxika 2011

Sonto	Musumbhuunuuku	Ravumbirhi	Ravunharhu	Ravumune	Ravuntiha	Muqgivelaa
			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		

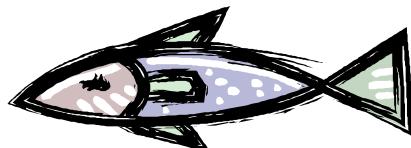
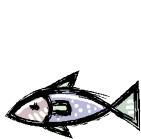
a. Ku vile na _____ wa masiku lama dyambu a ri vonaka hi Khotavuxika 2011.

b. Ku nile mpfula hi _____ masiku hi Khotavuxika 2011.

2. Xaxameta minchumu ku suka eka lowo leha ngopfu ku fika eka lowo koma ngopfu hi ku tsala 1, 2, 3, 4 ehansi ka nchumu wun'wana na wun'wana.



3. Tsondzela xifaniso lexi kombaka nhlampfi leyi nga leha ngopfu .



4. Khwatihata rito leri nga rona. Hi xihi lexi nga leha ngopfu?

a. Rhula kumbe ritlhongwe ra mecisi?

b. Choko kumbe buku

MATIRHISELO YA VUXOKOXOKO BYA TINHLAYO

1. Langutisa girafu ya xifaniso kutani u hlamula swivutiso leswi landzelaka:

Khiya: ☺ xi yimela mudyondzi wu1

Swifuwana swa vadyondzi

Nomboro ya vadyondzi				
	Mbyan a	Ximanga	Nhlampfi	Xinyenyani
	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺	☺ ☺	☺ ☺ ☺ ☺ ☺

- a. I vangani vadyondzi lava nga na tinhlampfi?

- b. Vadyondzi lava nga na swimanga va tlula lava nga na timbyana hi nomboro yihi?

- c. I vangani vadyondzi hinkwavo lava vutisiweke?
