



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

XIKAMBELO XA TIKO XA LEMBE NA LEMBE

GIREDI 1

MATEMATIKI-XITSONGA

SETE 2: 2012 XIKOMBISO XA XIKAMBELO

Maitelelo ya matirhiselo ya swikombiso swa ANA

1. Nhlamuselo hi ku angarhela

Swikambelo swa Tiko swa Lembe na Lembe (ANA) i swikambeleo swo antswisa vuswikoti ni 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 humelela eka swikambelo swa le handle. Nhlengeletano ya vadyondzisi na vativinkulu va tidyondzo ta Ririmi na Mathematiki va tshamile hansi va endla swikombiso swa swivutiso swa swikambelo leswi nga tirhisiwaka eku dyondziseni ka Ririmi 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 endlwile hi ku landzelela swilaveko swa ku ya hi xitatimende xa pholisi ya kharikhulamu ya tigiredi R- 12(NCS), xitatimende xa pholisi ya kharikhulamu na makambeleo(CAPS) na tsalwa ra Huvo ya Rixaka ya Makambeleo (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 adyodziso 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 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 hinkarhi wo karhi lowu awu pulaneke. Mudyondzisi u fanele ku hlawula swivutiso swo karhi hi vukheta leswi a nga ta swi tirhisa hi tindlela to hambana hambana eku dyondzeni na ku dyondzisa hi ndlela leyi:-

- 3.1 Vana va ta tsarisiwa xikambelo xo tsotsosela xo kambela vuswikoti ni vuhluleki bya vona eku sunguleni ka dyondzo. Xikambelo lexi xo **lavisisa** xi ta endla leswaku ku kumeka mbuyelo wa ntiyiso wa matsandzelo kumbe vuswikoti bya vana ni ku va ku antswisiwa tidyondzo leti nga ta ololoxa swiphicho . xikambelo lexi xo **lavisisa** 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 xikarhi ka lembe** lexi kambelaka vuswikoti ni vutivi bya vana, tidyondzo leti ti fanele ku ka ti nga siyi n'wana ni un'we ehandle.
- 3.3 Vana va ta kamberiswa 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 lavaka ku lavaka ku engetela mfumalo wo rinanela wa vutivi ni vuswikoti kona.

3.4 Vana vat a va va kuma mfuno hi maendlelo lawa va nga ta kamberiwa hi wona, xik.ku hlamula hi khlawulanhlamulo leyi nga yona(MC) swivutiso xo pfuleka(OE) kumbe swivutiso swo lava nhlamulo yin'wana na yin'wana(FR), tinhlamulo to koma,sw ni sw.

4. **Xikambelo xa xikarhi ka lembe na xikambelo xo lavisisa** 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 hiku landzelerisa **makambeleo 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 makambeleo 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 twisisa, va swi amukela ni ku swi twisisa ku swi tirhisa hi ndlela leyi amukelekaka.Xikamba tinhlamulo xi tsariwile hindlela yo olova eka mudyondzisi.

6. **Swiangularhela 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. Ntirho lowu wu angarhela na titheme 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 ririmi 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 kuna switrhisiwa leswi faneleke ku endlela ku tlakusa dyondzo ya vana eswikolweni. Hi ku tirhisa Swikombiso swa xikambelo xa Tiko xa Lembe na Lembe(ANA), vadyondzisi vat a kota ku toloveti vana hi tindlela to hambana hambana ta mavutiselo ya xikambelo.Loko ku landzeleriwa swikombiso swa xikambelo hi mfanelo, vana va nga tokota ngopfu hi vutivi ni vuswikoti lebyi kulu lebyi nga endlaka leswaku va humelela eka xikambelo xo hela ka lembe xa Tiko xa Lembe na Lembe (ANA).

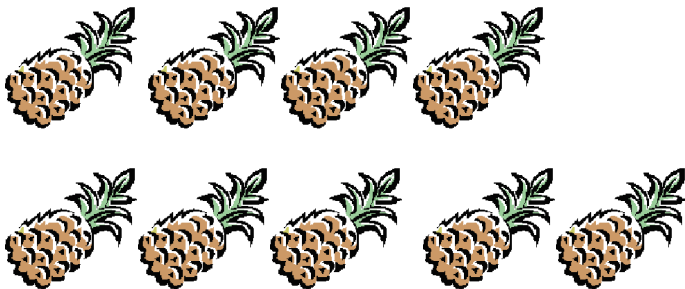
TINOMBORO, TIOPAREXINI NA VUXAKA

KU HLAYELA- MIMFUNGHO NA MAVITO YA TINOMBORO




1. Hlaya switsalu kutani u tsala nomboro ya swona leyi nga yona.



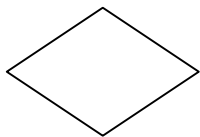
2. Xana u vona swihenge swingani?



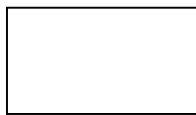
3. Xana ku na minsinya yingani eka bokisi rin'wana na rin'wana?
Leyo sungula u endleriwile yona.

	6
	
	

4. Xana xivumbeko xin'wana na xin'wana xi na matlhelo mangani?



a.

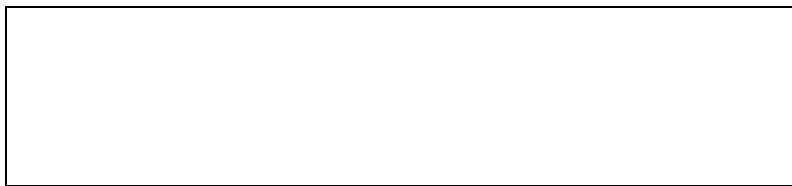
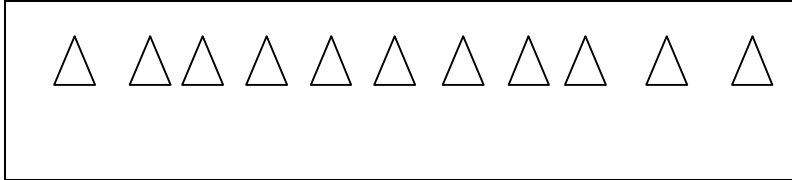


b.



c.

5. Langutisa nomboro ya tinhlanharhu leti nga dirowiwa eka fureme yo sungula kutani u dirowa tinhlanharhu to ringana na tona eka fureme leyin'wana.



6. Nghenisa nomboro leyi kayivelaka.

a.

5	6			9	10
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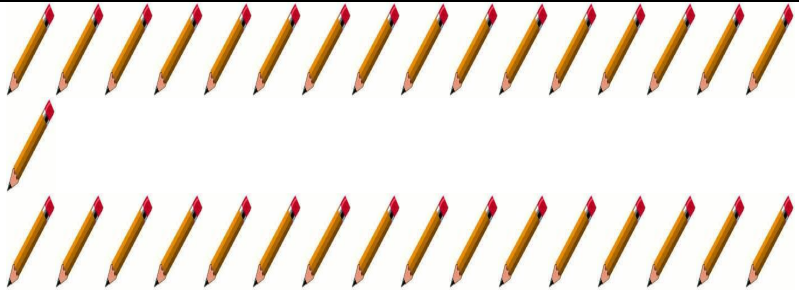


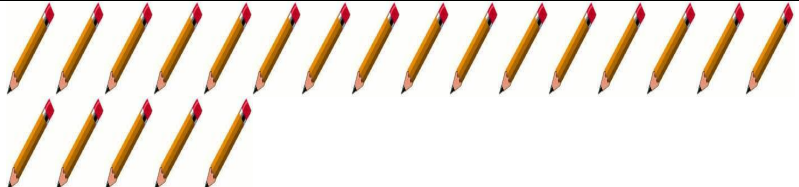
b.

2	4		8	10
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c.

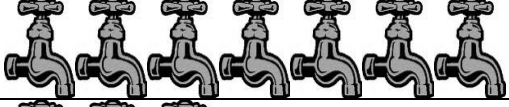
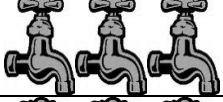
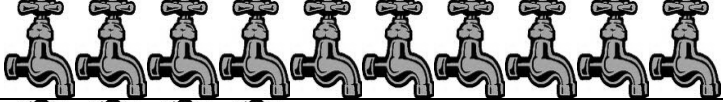
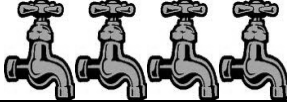

10		8		6	5	4
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7. Dirowa ntila ku pananisa mfungho na nomboro ya tipensele leyi nga yona.

		14
		21
		33
		8

8. Langutisa xifaniso xin'wana na xin'wana.

Dirowa **xirhendzevutana** eka nomboro leyi panaka na nomboro ya ntlawa wun'wana na wun'wana

	6	7	8	9	10
	2	3	4	5	6
	6	7	8	9	10
	2	3	4	5	6
	0	1	2	3	4

9. Dirowa mintila ku khomanisa mimfungho ya tinomboro leyi fanaka.

●8 ●7 ●5

●5 ●8 ●7

10. Kopunula mfungho wa nomboro lowu nyikiweke exhibokisanini.

6

8

9

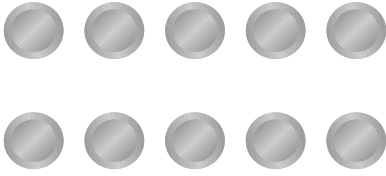


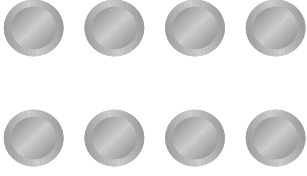

11. Endzeni ka xibokisana xin'wana na xin'wana tsala mfungho wa nomboro lowu panaka na rito leri nga khwatihatiwa.

Ntsevu wa tinyeleti

Nhungu wa swiluva

Nkombo wa makondlo

12. Hetisa tafula leri nga laha hansi.

Minchumu	Mfungho wa nomboro	Vito ra nomboro
	_____	Khume
	6	_____
	_____	Nkombo
	8	_____
	_____	Ntlhanu

13. Tsala mavito ya tinomboro leti landzelaka.

9	
3	
2	
4	
1	

14. Dirowa nseve ku khomanisa mfungho na vito ra nomboro

7		Nhungu
6		Kaye
5		Ntsevu
8		Ntlhanu
8		Nkombo

KU FANANISA NA KU LONGOLOXA TINOMBORO

1. Langutisa makhandlhele na swikero. Hetisa swivulwa hi ku tirhisa “yo tala” kumbe “swintsongo”.

o o o o o o

x x x x x

- a. Ku na makhandlhele _____ ku tlula swikero.
b. Ku na swikero _____ ku tlula makhandlhele.
2. Langutisa swifaniso kutani u hlamula swivutiso.



Bani



Jaki

- a. _____ u na milenge yo tala ku tlula _____.



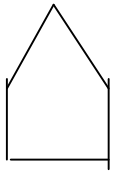
movha



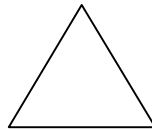
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teretere

b. Mavhilwa ya _____ i makulu eka mavhilwa ya _____.



Yindlu



Yinhlanharhu

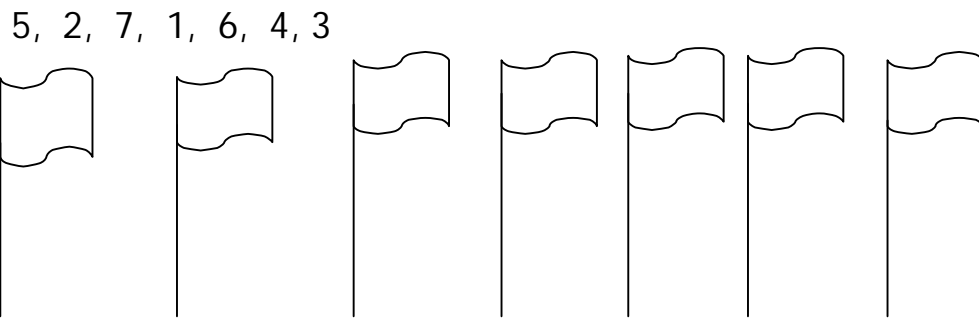
c. _____ yi na matlhello yo tala ku tlula_____ .

3. Longoloxa tinomboro ku suka eka leyintsongo ku ya eka leyikulu.

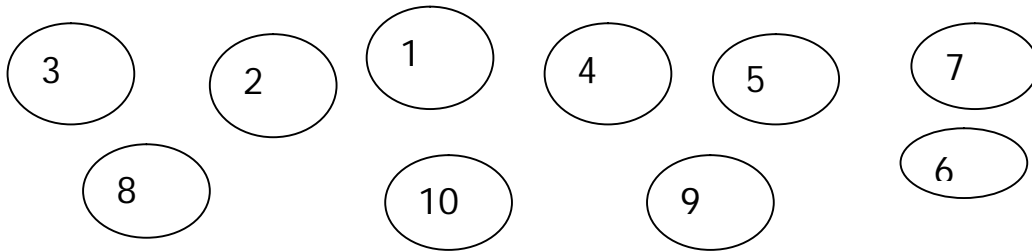
6, 8, 9, 7, 1

— / — / — / — / —

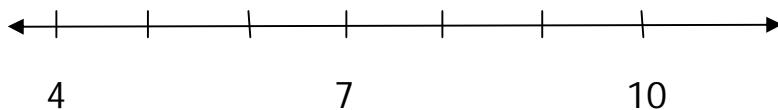
4. Tsala tinomboro leti nga eka mij eko ku sukela eka leyintsongo ku ya eka leyikulu.



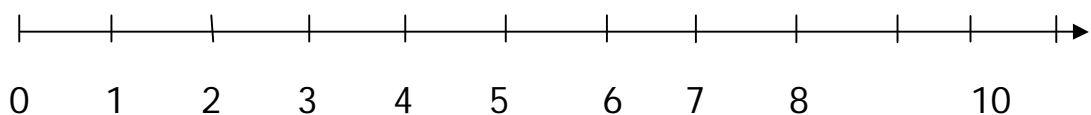
5. Longoloxa tinomboro leti nga endzeni ka swirhendzevutana ku suka eka leyikulu ku ya eka leyintsongo.



6. Tsala tinomboro **9, 8, 6, 5** eka ndhawu leyi nga yona eka lerhe ra tinomboro (ndzhati wa mintsengo).



7. Nghenisa nomboro leyi kayivelaka eka ndzhati wa mintsengo.



KU OLOLOXA SWIPHIQO

1. Lolo u na swiwitsi swi³ kasi Danisa u na 6 wa swiwitsi.
Lolo na Danisa va na _____ wa swiwitsi hinkwavo.
2. Tumi u na 5 wa malamula naswona Mariya u na malamula ma 3. Tumi na Mariya va na malamula mangani hinkwavo?

3. Vusi u khile maapula ya⁴ kasi Nonto u khile 5 wa maapula.
Hinkwavo va khile _____ wa maapula.
4. Tipensele ta⁴ ti katsiwa na tipensele ti³ i _____ wa tipensele.
5. Tibanana ta⁶ hi teka tibanana ta⁴ ku sala _____ wa tibanana.
6. Tivi u na 8 wa tipaniki. Jamela u tekile 6 wa tipaniki eka Tivi.
Xana Tivi u na tipaniki tingani sweswi? _____
7. Ana u na 10 wa mapencisi. U nyika Lulama mapencisi ma³.
Ana u sale na _____ wa mapencisi.

8. Tibolo ta7 ti hungutiwa hi tibolo ta4 ku sala _____ wa tibolo.
9. Tatana u na 8 wa timbuti. U xavisa 4 wa timbuti.
U sale na _____ wa timbuti.

TIOPAREXINI LETI KATSAKA TINOMBORO, KU MBIRHIHATA, KU HAFULA, KU HLANGANISA NA KU SUSANA

1. Langutisa tidoto kutani u hlamula swivutiso.

●	●
● ●	● ●
● ● ●	● ● ●
● ● ● ●	● ● ● ●
● ● ● ● ●	● ● ● ● ●

- a. Mbirhihato wa 1 = _____
Mbirhihato wa 5 = _____
- b. Halve of 10 = _____
Hafu ya 8 = _____

2. Tsala tinhlamulo.

a. $10 = 5 + \underline{\hspace{2cm}}$

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

3. Tsala tinhlamulo.

a. $2 + 3 = \underline{\hspace{2cm}}$

b. $1 + 5 = \underline{\hspace{2cm}}$

c. $2 + 3 = \underline{\hspace{2cm}}$

d. $7 + 2 = \underline{\hspace{2cm}}$

4. Tsala tinhlamulo

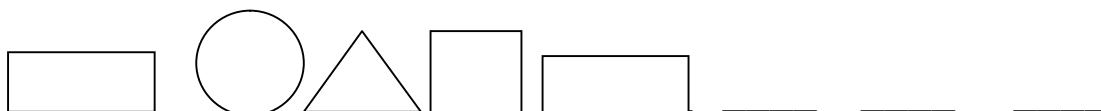
a. $8 - 2 = \underline{\hspace{2cm}}$

b. $5 - 1 = \underline{\hspace{2cm}}$

c. $3 - 1 = \underline{\hspace{2cm}}$

TIPATIRONI, TIFANKIXINI NA ALIJEBURA

1. a. Dirowa swivumbeko swi3 leswi landzelaka eka patironi.



- b. Dirowa minchumu yi 2 leyi landzelaka.



VUNDHAWU NA XIVUMBEKO

1. Tsondzela letere leri nga na nhlamulo leyi nga yona.



- A Mubedwa wu le **exineneni** eka basikiti.
B Mubedwa wu le **eximat sini** eka basikiti.

2. Tsondzela letere leri nga na nhlamulo leyi nga yona.



A Ximanga xi le **endzeni** ka basikiti.

B Ximanga xi le **ehansi** ka basikiti.

3. Tsondzela letere leri nga na nhlamulo leyi nga yona.



A Xivumbeko lexi nga laha henhla xi fana na **bolo**

B Xivumbeko lexi nga laha henhla xi fana na **bokisi**.

MPIMO- NKARHI, VULEHI, NTIKO NA VUNDZENI

1. Tsondzela nhlamulo leyi nga yona.

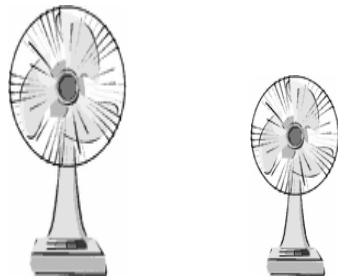
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☆ ☆ ☆ ☆ ☆ ☆ ☆

Mpundzu

Vusiku

2. Tsala "X" ehenhla ka nchumu lowu nga leha ku tlula lowun'wana.



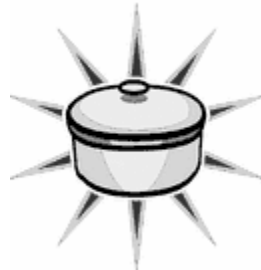
3. Tsondzela nchumu lowu nga koma ku tlula lowun'wana



4. Tsondzela xibye lexi nga na vundzeni bya le henhla ku tlula lexin'wana.



5. Tsala xihambano eka nchumu lowu vevukaka ku tlula lowun'wana.



6. Khwatihata nchumu lowu tikaka ku tlula lowun'wana

