



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

XIKOMBISO XA XIKAMBELO XA TIKO XA LEMBE

NA LEMBE

GIREDI 3

MATEMATIKI-XITSONGA

SETE YA 3: 2012 XIKOMBISO

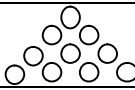

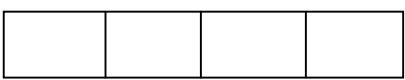
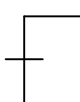
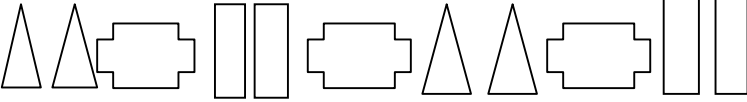
MEMORANDAMU

Xivutiso	Tinhlamulo leti languteriweke	Timaraka	Ntsengo
1.	a. 550, 750, 850	1	3
	b. 499, 496, 495	1	
	c. 248, 256, 260	1	
2.	a. 100, 150, 200, 250, 350, 450, 500, 550, 600, 650, 700, 750	1	5
	b. 123, 132, 135, 138, 144, 147, 150, 153, 156, 159, 162	1	
	c. 496, 494, 492, 490, 486, 484, 482, 480, 476, 474, 470	1	
	d. 210, 215, 220, 230, 235, 240, 245, 255, 265, 270, 275	1	
	e. 313, 311, 308, 307, 306, 304, 303, 302, 301, 300	1	
3.	\checkmark \checkmark \checkmark \checkmark +25, +25, 275, +25, 300, +25, 325, +25, 350, +25	4	4
4.	150	1	1
5.	a. 6	1	2
	b. 24	1	
6.	a. Madzanamune makumenkombonharhu	1	2
	b. Madzanambirhi na mune	1	
7.	a. 269	1	2
	b. Madzanambirhi makumentsevukaye	1	
8.	Madzanankombo na makumenhungu	1	1
9.	Madzananharhu makumentsevun'we	1	5
	Madzanambirhi na khume	1	
	Madzananharhu na khumentsevu	1	
	Dzana makumentsevu	1	
	Madzanamune makumenhungunharhu	1	
10.	vu2, vu6, vu13, vu28, vu31	1	1
11.	mune	1	1
12.	a. <	1	3
	b. >	1	
	c. <	1	
13.	B	1	1
14.	a. 167, 276, 366, 376, 613, 631	1	2
	b. 247, 422, 442, 472, 727, 742	1	
15.	a. 670 kumbe 600 + 70	1	

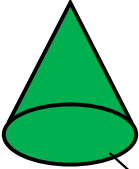
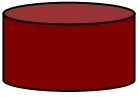

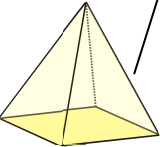
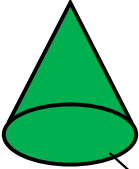
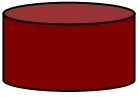

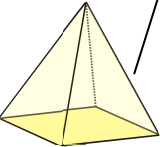
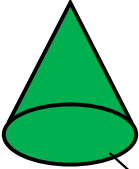
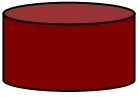

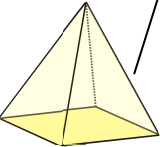
	b.	7	1	2																
16.	a.	Makume	1	2																
	b.	Vun'we	1																	
17.		Intiyiso	1	1																
18.		B- madzana	1	1																
19.		500 + 70 ✓ + 3 ✓ kumbe 570 ✓ + 3 ✓ kumbe 500 ✓ + 73 ✓ Kumbe maendlelo man'wana na man'wana lama amukelekaka	1 1	2																
20.	a.	2 + 9 + 8	1	2																
	b.	Madzana + Makume + Vun'we	1																	
21.			1 1 1 1	4																
22.		317	1	1																
23.		<table border="1"> <thead> <tr> <th></th> <th>Nomboro yi mbirhihathiwile</th> <th>Nomboro</th> <th>Nomboro yi hafuriwile</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>300</td> <td>150</td> <td>75</td> </tr> <tr> <td>b.</td> <td>168</td> <td>84</td> <td>42</td> </tr> <tr> <td>c.</td> <td>42</td> <td>21</td> <td>10 + 1 na hafu</td> </tr> </tbody> </table>		Nomboro yi mbirhihathiwile	Nomboro	Nomboro yi hafuriwile	a.	300	150	75	b.	168	84	42	c.	42	21	10 + 1 na hafu	1 1 1 1	6
	Nomboro yi mbirhihathiwile	Nomboro	Nomboro yi hafuriwile																	
a.	300	150	75																	
b.	168	84	42																	
c.	42	21	10 + 1 na hafu																	
24.			1	1																
25.	a.	60	1	2																
	b.	130	1																	
26.		<p style="text-align: center;">✓ ✓</p> Nomboro ya tipaniki= 619 + 125 = 744 Amukela maendlelo man'wana na man'wana lama nga wona	2	2																
27.		<p style="text-align: center;">✓ ✓</p> Nomboro ya switempe = 23 x 4 = 92 kumbe 23 + 23 + 23 + 23 = 92 Amukela maendlelo man'wana na man'wana lama nga wona	2	2																

28.	✓ ✓	Nomboro ya mabisikiti = $45 \div 4 = 11$ na n'we eka mune kumbe 11 ku sala 1 Amukela maendlelo man'wana na man'wana lama nga wona	2	2
29.	✓ ✓	Nomboro yatimhavula = $68 \div 2 = 34$ Amukela maendlelo man'wana na man'wana lama nga wona	2	2
30.	✓ ✓	Nomboro ya swiwitsi = $35 \div 3 = 11$ ku sala swi 2 Amukela maendlelo man'wana na man'wana lama nga wona	2	2
31.	✓ ✓	Nomboro ya timhavula = $125 - 82 = 43$ Amukela maendlelo man'wana na man'wana lama nga wona	2	2
32.	✓ ✓	Nomboro ya mavhilwa = $21 \times 5 = 105$ kumbe $21 + 21 + 21 + 21 + 21 = 105$ Amukela maendlelo man'wana na man'wana lama nga wona	2	2
33.	a.	R1,30	1	9
	b.	✓ Mali leyi tirhisiweke = $R3,50 + R3,50 + R2,20 + R3,00 + R7,40 = R19,60$	2	
	c.	✓ ✓ Ntsengo = $R15 + R15 + R3,50 + R3,50 + R4,40 = R41,40$ Cinci = $R50 - R41,40 = R8,60$	4	
	d.	✓ ✓ $R60 \div R15 = 4$ kumbe $R60 - R15 - R15 - R15 - R15 = 0$	2	
34.	a.	R7,63	1	6
	b.	R2,07	1	
	c.	R5,79	1	
	d.	263 c	1	
	e.	615 c	1	
	f.	425 c	1	

TIPATIRONI, TIFANKIXINI NA ALIJEKURA

1.	a.		1	4							
	b.		1								
	c.		1								
	d.		1								
2.	 <p>Amukela patironi yin'wana na yin'wana leyi humelerisaka vuswikoti lebyi enerisaka</p>	1	1								
3.	a	529, 530, 531 Ku hlayela u ya emahlweni hi va 1	1 1	4							
	b	732, 730, 728 Ku hlayela u ya endzhaku hi va 2	1 1								
4.		<table border="1" data-bbox="343 1344 1085 1422"> <tr> <td>Nomboro ya mabokisi</td> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td></td> </tr> </table>	Nomboro ya mabokisi					5		1	3
	Nomboro ya mabokisi					5					
		<table border="1" data-bbox="343 1422 1085 1500"> <tr> <td>Nomboro ya swikotele</td> <td></td> <td></td> <td>75</td> <td></td> <td></td> <td>150</td> </tr> </table>	Nomboro ya swikotele			75			150	1	
Nomboro ya swikotele			75			150					
			1								
5.	a	340, 350, 360 Ku hlayela u ya emahlweni hi va 10 – Amukela patironi yin'wana na yin'wana leyi nga yona	1 1	4							
	b	503, 502, 501 Ku hlayela uya endzhaku hi va 1 – Amukela patironi yin'wana na yin'wana leyi nga yona	1 1								

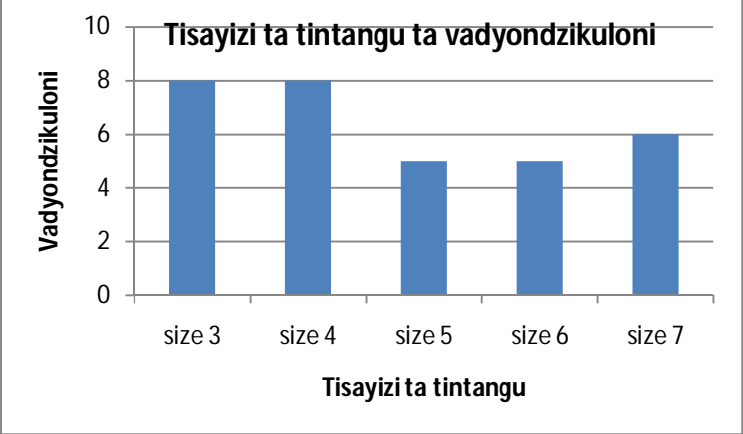
VUNDHAWU NA XIVUMBEKO

1.	C	1	1									
2.	B na C	2	2									
3.	a.	Phiramidi ya xi-yinhlanharhu	1									
	b.	4	1									
4.	<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Phiramidi ya vutshamo bya xikwere</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Khoni</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Phirizimu ya xi-yinhlamune</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Silindara</td> </tr> </table>			Phiramidi ya vutshamo bya xikwere		Khoni		Phirizimu ya xi-yinhlamune		Silindara	1	1
	Phiramidi ya vutshamo bya xikwere											
	Khoni											
	Phirizimu ya xi-yinhlamune											
	Silindara											
			1									
			1									
			1									
			4									

MPIMO

1.	a.	Tisentimitara (cm)		1	2																																
	b.	Timitara (m)		1																																	
2.	a.	Dzivamisoko (April),Khotavuxika (June), Ndzati (September), Hukuri (November).		2	7																																
	b.	365		1																																	
	c.	4		1																																	
	d.	52		1																																	
	e.	12		1																																	
	f.	45 (1 Mudyaxihi “May” – 16 Khotavuxika “June”)		1																																	
3.	a.	Sonto		1	4																																
	b.	Ravunharhu		1																																	
	c.	Ravumbirhi		1																																	
	d.	Mugqivela		1																																	
4.	6		1	1																																	
5.	N'we xa nharhu kumbe 1 xa nharhu		1	1																																	
6.	Khume ku ya eka awara ya, 50 wa timinete		1	1																																	
7.	<table border="1"> <thead> <tr> <th></th> <th>Matlhelo</th> <th>Nkumbetelo</th> <th>Mpimo lowu nga wona</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>AB</td> <td></td> <td>6cm</td> </tr> <tr> <td>b.</td> <td>BC</td> <td></td> <td>3cm</td> </tr> <tr> <td>c.</td> <td>DC</td> <td></td> <td>6cm</td> </tr> <tr> <td>d.</td> <td>AD</td> <td></td> <td>3cm</td> </tr> <tr> <td>e.</td> <td>PQ</td> <td></td> <td>3cm</td> </tr> <tr> <td>f.</td> <td>PR</td> <td></td> <td>5cm</td> </tr> <tr> <td>g.</td> <td>QR</td> <td></td> <td>4cm</td> </tr> </tbody> </table>				Matlhelo	Nkumbetelo	Mpimo lowu nga wona	a.	AB		6cm	b.	BC		3cm	c.	DC		6cm	d.	AD		3cm	e.	PQ		3cm	f.	PR		5cm	g.	QR		4cm	1 1 1 1 1 1 1	7
		Matlhelo	Nkumbetelo	Mpimo lowu nga wona																																	
	a.	AB		6cm																																	
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	e.	PQ		3cm																																	
	f.	PR		5cm																																	
g.	QR		4cm																																		
Amukela nkumbetelo wun'wana na wun'wana lowu nga ekusuhi na mpimo lowu nga wona																																					
8.	a.	18 cm		1	2																																
	b.	12 cm		1																																	

MATIRHISELO YA VUXOKOXOKO BYA TINHLAYO

1.	<p>Nomboro ya vadyondzi = 8, 8, 5, 5, 6</p>  <p>Amukela girafu ya bara yin'wana na yin'wana leyi nga yona</p>			8
2.	a.	25	1	5
	b.	5	1	
	c.	Netibolo	1	
	d.	Khirikhete	1	
	e.	Bolo ya milenge na ku khida	1	
3.	a.	20	1	4
	b.	Ravuntlhanu	1	
	c.	55	1	
	d.	15	1	