

DEPARTMENT OF BASIC EDUCATION
REPUBLIC OF SOUTH AFRICA

MULINGO WA NWAHA NGA NWAHA WA SHANGO LOTHE WA 2012

GIREIDI 3 TSHIVENDA MBALO

MEMORANDAMU (BRAILLE)

MARAGA: 60

Notsi dza u maka nga u angaredza:

1. Kha vha xee maraga dzo fhelelaho nga nda ha musu zwo sumbedzwa.
2. Kha vha xanganedze dziwe thandululo dzi siho kha memorandum arali dzi tshi isa kha phindulo ire yone nga ndani ha ndila ya u tsitsa.

MBUDZISO		PHINDULO NDAVHALELWA	MARAGA	GUTE
1.	a.	100; 125; 150 ✓	1	3
	b.	658; 638; 618 ✓	1	
	c.	150; 200; 300 ✓ kana 350 ; 300 ; 200 ✓	1	
2.	a.	Daxahe - xanu ✓ Kha vha xanganedze dzina la nomboro li re lone nga luambo luwe na luwe lwa tshiofisi. Vha songo ita ndaxiso ya mupeleto.	1	2
	b.	Daxaru fusumbe - mbili ✓ ✓ Kha vha xanganedze dzina la Nomboro li re lone nga luambo luwe na luwe lwa tshiofisi. Vha songo ita ndaxiso ya mupeleto.	1	
3.	a.	542,452,425,245 ✓	1	2
	b.	kotara1 , 1 tshararu, hafu 1 ✓ Kha vha xanganedze zwiga kana nyolo ya furakisheni.	1	
4.	a.	$400 + 200 + 30 + 10 + 1 + 3 \checkmark$ $= 600 + 40 + 4 \checkmark$ $= 644 \checkmark$ kana $431 + 200 \rightarrow 631 + 10 \rightarrow 641 + 3 \rightarrow 644$	3	10
	b.	$70 + 2 - 30 - 7 \checkmark$ $= 60 + 12 - 30 - 7 \checkmark$ $= 60 - 30 + 12 - 7$ $= 30 + 5 \checkmark$ $= 35 \checkmark$ kana $72 - 30 \rightarrow 42 - 7 \rightarrow 35$	3	
	c.	$3 \times 1 = 3 \checkmark$ $3 \times 30 = 90 \checkmark$ $3 \times 31 = 93 \checkmark$ kana $3 \times 31 = 93 \checkmark \checkmark$ $31 + 31 + 31 = 93 \checkmark$	2	
	d.	Arali $80 \div 4 = 20 \checkmark$ Maitele: 1 maraga na $4 \div 4 = 1 \checkmark$ Phindulo: 1 maraga zwiamba $20 + 1 = 21 \checkmark$	2	
5.	a.	70 kana mahumi a sumbe kana Fusumbe. 7t ✓	1	2
	b.	500 kana ma»ana 5 kana Ma»ana Ma»anu. 5H/h ✓	1	

6.		vhu22, vhu23, vhu25 ✓	1	1									
7.	a.	(2 x R1,50) + R1,00 = R4,00 ✓ Tshintshi = R5 – R4 = R1/100c ✓ Hu ṭusiwe maraga arali hu sin a unitsi kha phindulo.	3	6									
	b.	✓ ✓ ✓ R3,40 – R1,75 = R1,65 Hu ṭusiwe maraga arali hu sin a unitsi kha phindulo.	3										
8.	a.	✓ ✓ Nomboro ya dzithaili = 12 x 5 = 60	2	4									
	b.	✓ ✓ Nomboro ya mabesikitsi = 69 ÷ 2 = 34 na hafu	2										
9.	a.	572 ✓	1	6									
	b.	300 + 80 + 5 ✓ Ṭanganedzani mutevhe muñwe na muñwe.	1										
	c.	49 + 49 = 98 kana 2 x 49 = 98 ✓	1										
	d.	397 , 398 , 399 , 400 , 401 , 402 ✓	1										
	e.	137 ✓	1										
	f.	C / 300 ✓ Tanganedzani arali phindulo yo tangeledzwa kana yo talelwa.	1										
10.	a.	f g d ✓	1	2									
	b.	275 ✓	1										
11.	<table><tr><td>Zwivhumbeo zwa 2-D</td><td>Zwithu zwa3-D</td></tr><tr><td>Ṭhofunde - raru</td><td>Silinda</td></tr><tr><td>Ṭhofunde-ina</td><td>Khubu/Bogisi</td></tr><tr><td colspan="2">Kha vha tanganedze phindulo dzire dzone dzi kha mutevhe muñwe na muñwe kha khoḽomu inwe na inwe</td></tr></table>		Zwivhumbeo zwa 2-D	Zwithu zwa3-D	Ṭhofunde - raru	Silinda	Ṭhofunde-ina	Khubu/Bogisi	Kha vha tanganedze phindulo dzire dzone dzi kha mutevhe muñwe na muñwe kha khoḽomu inwe na inwe		1 1	1 1	4
	Zwivhumbeo zwa 2-D	Zwithu zwa3-D											
	Ṭhofunde - raru	Silinda											
	Ṭhofunde-ina	Khubu/Bogisi											
Kha vha tanganedze phindulo dzire dzone dzi kha mutevhe muñwe na muñwe kha khoḽomu inwe na inwe													
12.	a.	a ✓	1	2									
	b.	b ✓	1										
13.	a.	31 ✓	1	3									
	b.	4 ✓	1										
	c.	Ḷavhuṭanu ✓	1										
14.	a.	b ✓	1	3									
	b.	Tshanda tshilapfu kha 6 na tshanda tshipfufhi kha na 11.	1										

	c.	90 ✓	1	
15.	a.	khilogireme ✓	1	4
	b.	lithara ✓	1	
	c.	senthimithara ✓	1	
	d.	15 cm ✓	1	
16.		45 ✓	1	1
17.	a.	7 ✓	1	5
	b.	Mashudu ✓	1	
	c.	140 cm ✓	1	
	d.	Kha vha tangedze phindulo yo anganyelwaho vhukati ha 100 cm na 120 cm, tsumbo. 110 cm ✓	1	
	e.	Lufuno ✓	1	
GUṼE: 60				