




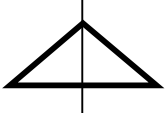
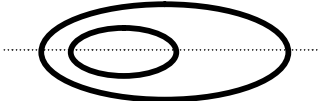
MULINGO WA ° WAHA NGA ° WAHA WA SHANGO · O<sup>1</sup> HE WA 2012  
GIREIDI 3 MBALO DZA TSHIVENŶA  
MEMORANDAMU

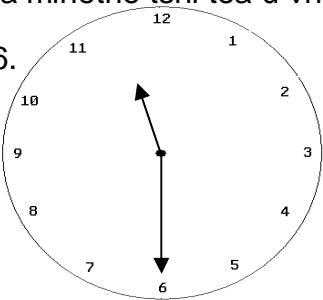
Notsi dza u maka nga u angaredza:

1. Kha vha  $\frac{1}{2}$ ee maraga dzo fhelelaho nga nn»a ha musi zwo sumbedzwa.
2. Kha vha  $\frac{3}{4}$ anganedze dzi; we thandululo dzi siho kha memorandamu arali dzi tshi isa kha phindulo i re yone.

Memorandamu u na masiatari 3.

Mbudziso	Phindulo ndavhalelwa	Maraga	Maragagutŵe
1.	a. 100; 125; 150 ✓	1	3
	b. 658; 638; 618 ✓	1	
	c. 150; 200; 300 ✓ ; kana 350; 300; 200	1	
2.	a. Fu <del>3</del> ahe- <del>3</del> hanu ✓ Tangedzani dzina la nomboro li re lone. luambo luñwe na luñwe lwa tshiofisi. Vha songo ita ndatiso ya mupeleto.	1	2
	b. Dararu fusumbe mbili ✓ Tangedzani dzina la nomboro li re lone nga luambo luñwe na luñwe lwa tshiofisi. Vha songo ita ndatiso ya mupeleto.	1	
3.	a. 542, 452, 425, 245	1	2
	b. kota , 1 tsha raru, hafu ✓ Vhana vha nga ola kana u shumisa tswayo dza furakisheni.	1	
4.	a. $400 + 200 + 30 + 10 + 1 + 3$ ✓ $= 600 + 40 + 4$ ✓ $= 644$ ✓ kana $431 + 200 \rightarrow 631 + 10 \rightarrow 641 + 3 \rightarrow 644$	3	10
	b. $70 + 2 - 30 - 7$ ✓ $= 60 + 12 - 30 - 7$ ✓ $= 72 - 30 \rightarrow 42 - 7 \rightarrow 35$ ✓ $60 - 30 + 12 - 7$ $= 30 + 5$ ✓ $= 35$ ✓	3	
	c. $3 \times 1 = 3$ ✓ $3 \times 31 = 93$ ✓ $3 \times 30 = 90$ kana $31 + 31 + 31 = 93$ ✓ ✓ $3 \times 31 = 93$ ✓	2	
	d. Arali $80 \div 4 = 20$ ✓ Maitele: maraga 1 na $4 \div 4 = 1$ Phindulo: maraga 1 zwi amba uri $20 + 1 = 21$ ✓	2	
5.	a. 70 kana mahumi a sumbe kana Fusumbe. 7t ✓	1	2
	b. 500 kana ma»ana 5 kana Maḡana Maḡanu. 5H/h ✓	1	

Mbudziso		Phindulo ndavhalelwa	Maraga	Maragaguthe						
6.		vhu22 , vhu23 , vhu25 ✓	1	1						
7.	a.	<div>✓                      ✓                      ✓</div> <div>(2 x R1,50) + R1,00 = R4,00</div> <div>Tshintshi = R5 – R4 = R1/100c. Hu tsiwe maraga arali hu sin a unitsi kha phindulo.</div>	3	6						
	b.	<div>✓        ✓                      ✓</div> <div>R3,40 – R1,75 = R1,65 Hu tsiwe maraga arali hu sin a unitsi kha phindulo.</div>	3							
8.	a.	<div>✓</div> <div>Nomboro ya mathaela = 12 x 5 = 60 ✓</div>	2	4						
	b.	Nomboro ya mabesikitsi = 69 ÷ 2 = 34 na hafu	2							
9.	a.	572 ✓	1	6						
	Tanganedzani mutevhe muñwe na muñwe.									
	b.	300 + 80 + 5 ✓	1							
	c.	49 + 49 = 98    kana    2 x49 = 98 ✓	1							
	d.	397 , 398 , 399 , 400 , 401 , 402 ✓	1							
	e.	137 ✓	1							
f.	C kana 300 ✓ Tanganedzani arali phindulo yo tangeledzwa kana yo talelwa.	1								
10.	a.	<div></div> ✓		1						
	b.	275 ✓		1						
11.		<table><tr><th>Zwivhumbeo zwa 2-D</th><th>Zwithu zwa 3-D</th></tr><tr><td>3/hiraiengele/3/hofun»eraru</td><td>Khubu/Bogisi</td></tr><tr><td>Rekhithengele / 3/hofun»e i½a</td><td>Siinda</td></tr></table> <div>Kha vha tanganedze phindulo dzire dzone dzi kha mutevhe muñwe na muñwe kha kholomu inwe na inwe</div>	Zwivhumbeo zwa 2-D	Zwithu zwa 3-D	3/hiraiengele/3/hofun»eraru	Khubu/Bogisi	Rekhithengele / 3/hofun»e i½a	Siinda		4
Zwivhumbeo zwa 2-D	Zwithu zwa 3-D									
3/hiraiengele/3/hofun»eraru	Khubu/Bogisi									
Rekhithengele / 3/hofun»e i½a	Siinda									
12.	a.	<div></div> ✓		1						
	b.	<div></div> ✓		1						

Mbudziso		Phindulo ndavhalelwa	Maraga	Maragaguṽe
13.	a.	31 ✓		1
	b.	4 ✓		1
	c.	ṽavhuṽanu ✓		1
14.	a.	B ✓		1
	b.	<ul style="list-style-type: none"> <li>• Tshan»a tsha awara tshi tea u oliwa vhukati ha 11 na 12</li> <li>• Tshan»a tsha minethe tshi tea u vha tshilapfu kha tsha awara t</li> </ul> <p>sumba kha 6.</p> 		1
	c.	90 ✓		1
15.	a.	Khiṽogireme ✓		1
	b.	ṽithara ✓		1
	c.	Senthimithara ✓		1
	d.	15 sm ✓		1
16.		45 ✓		1
17.	a.	7 ✓		1
	b.	Mashudu ✓		1
	c.	140sm ✓		1
	d.	Phindulo yo anganyelwaho vhukati ha 100sm na 120sm, e.g. 110sm ✓		1
	e.	Lufuno ✓		1
1 HANGANYELO: 60				