







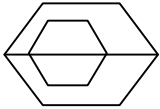
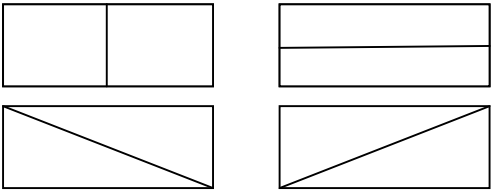
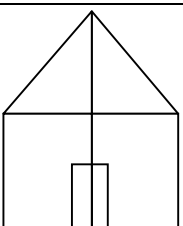
Memorandum uyu u na masiatari 8

1. Kha vha nee maraga dzo fhelelaho nga nnda ha musu zwo sumbedzwa.
2. Kha vha tangedze dziñwe thandululo dzi siho kha memorandum nga nnda ha tshitaela tsha u tou tsitsa.

MBUDZISO	PHINDULO NDAVHELELWA	MARAGA	THANGANYELO
1.1	D ✓	1	4
1.2	C ✓	1	
1.3	935, 539, 533, 335, 137 ✓	1	
1.4	24, 27, 30, 51, 64, 99 ✓	1	
2.1	C ✓	1	3
2.2	$700+60$ ✓	1	
2.3	B ✓	1	
3.1	C ✓	1	3
3.2	B ✓	1	
3.3	c. or 52 ✓	1	
4.1	C ✓	1	3
4.2	D ✓	1	
4.3	270 ✓	1	
5.1	C ✓	1	3
5.2	C ✓	1	
5.3	b. ✓	1	
6.1	D ✓	1	4
6.2	a.  4 b.  2 c.  1 d.  3	1	

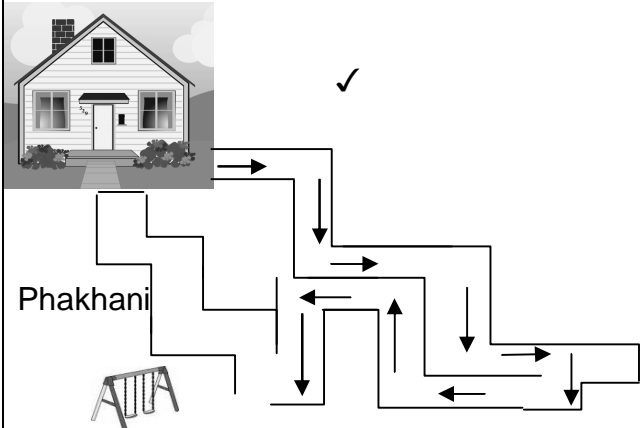
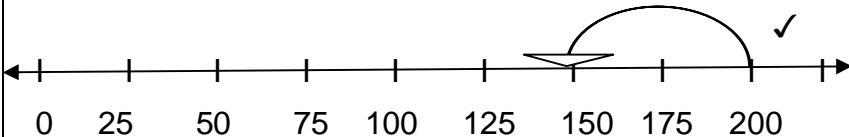
7.1	a.	khubu ✓	Vha songo dzhiela mupeleto ntha	1	2
	b.	thiraiengele ✓		1	
7.2			Thiraiengele ✓	1	4
			khubu ✓	1	
			Rekithengele ✓	1	
			Tshitendeledzi ✓	1	
7.3	a. Kha vha tʒanganedze tshivhumbeo tshiṅwe na tshinwe tsha 2-D ✓ b. Kha vha tʒanganedze tshivhumbeo tshiṅwe na tshinwe tsha 3-D ✓		2	2	
8.1				3	
8.2					
8.3					
9.1a.	$689 - 237$ $= 600 + 80 + 9 - 200 + 30 + 7$ $= 600 + 80 + 9 - 200 + 30 + 7 \quad \checkmark$ $= 400 + 50 + 2$ $= 452 \quad \checkmark$ kana		2		
	$9 - 7 = 2$ $80 - 30 = 50 \quad \checkmark$ $\underline{600 - 200 = 400}$ $\underline{689 - 237 = 452} \quad \checkmark$ kana				
	$689 - 200 \rightarrow 489 - 30 \rightarrow 459 - 7 \rightarrow 452 \quad \checkmark$ Maraga 1 ya kushumele na 1 maraga ya phindulo.				
9.1b.	$2 + 6 = 8$ $80 + 10 = 90 \quad \checkmark$ $\underline{300 + 400 = 700}$ <ul style="list-style-type: none"> $\underline{382 + 416 = 798} \quad \checkmark$ kana				

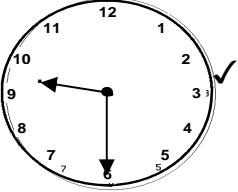
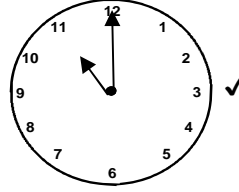
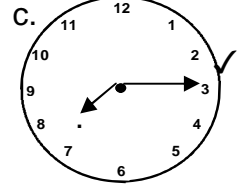
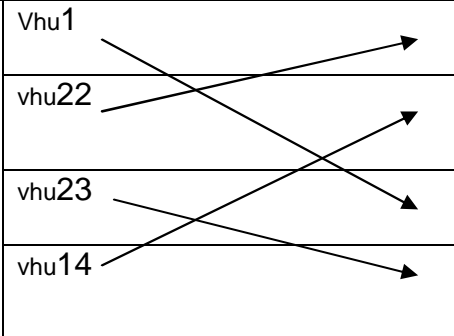
		$382 + 400 \rightarrow 782 + 10 \rightarrow 792 + 6 \rightarrow 798 \checkmark$ Maraga 1 ya kushumele na maraga 1 ya phindulo.			
9.1c.		<div style="border: 1px solid black; padding: 5px; width: fit-content;"> $39 \div 3$ $30 \div 3 = 10 \checkmark$ $9 \div 3 = 3$ $10 + 1 = 11 \checkmark$ </div> Maraga 1 ya kushumele na maraga 1 ya phindulo.	2	4	
9.1d.		<div style="border: 1px solid black; padding: 5px; width: fit-content;"> 23×2 $20 \times 2 = 40 \checkmark$ $3 \times 2 = 6$ $40 + 6 = 46 \checkmark$ </div> Maraga 1 ya kushumele na maraga 1 ya phindulo.	2		
10.	a.	122; 142 ; 162; 182 ; 202; 222 ; 242 . \checkmark	1	4	
	b.	475; 450; 425; 400 ; 375 ; 350 ; 325 . \checkmark	1		
	c.	173; 172; 171; 170 ; 169 ;168;167 ; 166 . \checkmark	1		
	d.	195; 190; 185 ; 180 ; 175 ; 170 , 165. \checkmark	1		
11.1		Daiṅa furathi malo \checkmark	1 mark each	4	
11.2		134 \rightarrow Danafumbili \checkmark			
		200 \rightarrow furathisumbe \checkmark			
		145 \rightarrow ḍana furaru iṅa \checkmark			
		67 \rightarrow ḍana fuiṅa ṭhanu \checkmark			
11.3		D \checkmark	1	3	
11.4		309 \checkmark	1		
11.5		C \checkmark	1		
11.6	a.	199 \checkmark	1	2	
	b.	78 \checkmark	1		
12.1		700 or 7 maḍana \checkmark	1	5	

12.2	a.	5 T / 5 mahumi✓	1	6
	b.	4U / 4 vhuthihi✓	1	
12.3	a.	600 /6 maḁana / ✓	1	
	b.	9 /ḁahe ✓	1	
13.1.		605✓	1	
13.2	a.	189 ✓	1	
	b.	200✓	1	
	c.	73✓	1	
13.3	a.	100 + 30 + 6 ✓	1	6
	b.	30 + 6✓	1	
14.1	a.	406 ; 404 ; 402 ; 400✓	1	
	b.	132 ; 135 ; 138 ; 141✓	1	
14.2	a.	890 ; 910 ; 930 ; 950✓ Mulayo: U vhala ri tshi ya phanḁa dzi20✓	1 1	
	b.	396 ; 400 ; 404 ; 408✓ Mulayo: U vhala ri tshi ya phanḁa dz 4✓	1 1	
15.1		 <p>Huna mutalo muthihi wa simeḁiri.</p> <p style="text-align: center;">✓</p>	1	3
15.2		 <p>phindulo iḁwe na iḁwe kha dzi re afho nḁha yo tendelwa ✓</p>	1	
15.3		 <p style="text-align: center;">✓</p>	1	

16.1		3 cm✓	1	4
16.2	a.	Senthimitha✓	1	
	b.	kilogireme✓	1	
	c.	litres✓	1	
17.1	a.	khilogireme✓	1	7
	b.	millilitres✓	1	
17.2	a	8✓	1	
	b	20✓	1	
	c	10✓	1	
	d	3✓	1	
17.3		5 ml, 250 ml 500 ml 1 / ✓	1	
18.1		<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{aligned} & \checkmark \\ \text{Nomboro ya mavhili} &= 3+3+3+3+3 \\ &= 15 \checkmark \end{aligned}$ </div> <p style="text-align: center;">kana</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{aligned} \text{thanganyelo} &= 3 \times 5 \checkmark \\ &= 15 \checkmark \end{aligned}$ </div> <p>Maraga 1 ya kushumele na maraga 1 ya phindulo.</p>	2	2
18.2		<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{aligned} (45 + 40) \div 4 & \checkmark \\ &= 85 \div 4 \\ &= (40 + 40 + 5) \div 4 \\ &= 10 + 10 + 1 + 1 \text{ left over} \\ &= 21 \text{ and 1 left over } \checkmark \end{aligned}$ </div> <p style="text-align: center;">or</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\begin{aligned} & 45 \div 4 + 40 \div 4 \\ &= 11 \text{ rem } 1 + 10 \checkmark \\ &= 21 \text{ rem } 1 \checkmark \end{aligned}$ </div> <p>Maraga 1 ya kushumele na maraga 1 ya phindulo.</p>	2	2

18.3	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> $99 \div 3 = 33 \quad \checkmark$ </div> <p style="text-align: center;">or</p> <div style="border: 1px solid black; padding: 5px;"> $90 \div 3 = 30$ $9 \div 3 = 3 \quad \checkmark$ $30 + 3 = 33 \quad \checkmark$ </div> <p>Maraga 1 ya kushumele na maraga 1 ya phindulo.</p>	2	2
18.4	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> $138 - 22$ $= 100 + 30 + 2 - 20 + 8$ $= 100 + 30 - 20 + 8 - 2 \quad \checkmark$ $= 100 + 10 + 6$ $= 116 \quad \checkmark$ </div> <p style="text-align: center;">kana</p> <div style="border: 1px solid black; padding: 5px;"> \checkmark \checkmark $138 - 20 \rightarrow 118 - 2 \rightarrow 116$ </div> <p>Maraga 1 ya kushumele na maraga 1 ya phindulo.</p>	2	2
19.1.	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; justify-content: space-between;"> <div style="width: 45%;"></div> <div style="width: 5%;"></div> <div style="width: 50%;"></div> </div>	1	2
19.2	<div style="border: 1px solid black; width: 100px; height: 50px; margin: 0 auto; display: flex; flex-wrap: wrap;"> <div style="width: 50%; height: 25px;"></div> <div style="width: 50%; height: 25px;"></div> <div style="width: 50%; height: 25px;"></div> <div style="width: 50%; height: 25px;"></div> </div> <div style="margin-left: 20px; margin-top: 10px;">\checkmark</div>	1	

20.1	Hayani ha Mpho		1	2
				
20.2	3 ✓		1	
21.1	a.	thekhisa ✓	1	10
	b.	$100 - 60 = 40$ ✓	1	
21.2	a.	Musa ✓	1	
	b.	15cm ✓		
	c.	Mpho na Vule ✓	1	
	d.	230cm ✓		
22.1	a.	Penisela , bugu , bola ✓	1	
	b.	$R50 - R15 = R35$ ✓	1	
	c.	$R32 - R15 = R17$ ✓	1	
22.2.	a.	$R15.50 + R15.50 = R31.00$ or $R15.50 \times 2 = R31.00$ ✓ $R31.00 + R9.95 = R40.95$ ✓	3	
	b.	$R50.00 - R40.95 = R9.05$ ✓		
	c.	$R10.00 + R25.00 = R35.00$ ✓ $R60.00 - R35.00 = R25.00$ ✓	2	
22.3	a.	995c ✓		
	b.	R15.50 ✓		
23.1	$50 + 50 + 75 = 175$ ✓		1	2
23.2			1	
24.1	Kotara u bva kha iri ya vhuvhili 2 ✓		1	
24.2	30 minetse /hafu ya awara ✓		1	

24.3	<p>a.  b.  c. </p>		1	5
25.1.	<p>vhu13 vhu14 vhu15 ✓ vhu22 vhu24 vhu25 ✓</p>		2	
25.2	<p>vhu21 vhu22 vhu23 vhu24 vhu26 vhu27 vhu28 ✓</p>		1	
25.3.	<p>Vhu1 vhu22 vhu23 vhu14</p> 	<p>sekondo dza fumbilimbili ✓ Ya vhufumiina ✓ Yo thoma ✓ Ya vhufumbili raru ✓</p>	4	7