

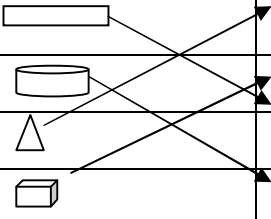

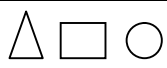


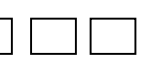



**TLHAHLOBO YA SELEMO LE SELEMO YA
NAHA 2013
KEREITI YA 3 MMETSE- SESOTHO
MEMORANDUM
EXEMPLAR**

Memerandamo ona o na le maqephe a 9:

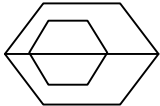
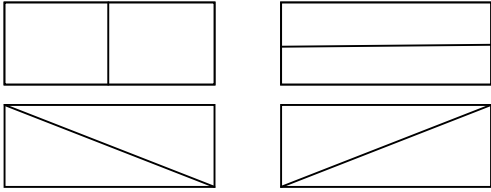
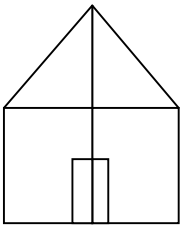
1. Fana ka matshwao a felletseng ntle le ha ho boletswe ka mokgwa o mong.
2. Amohela mokgwa o mong le o mong o nepahetseng le ha o sa hlahelle memorandumong ntle le ha ho boletswe ka mokgwa o mong.

POTSO	KARABO TSE LEBELLETSEWENG	MATSHWAO	KAOFELA
1.1	D ✓	1	4
1.2	C ✓	1	
1.3	953, 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. kapa 52 ✓	1	
4.1	C ✓	1	3
4.2	D ✓	1	
4.3	270 ✓	1	
5.1	B ✓	1	3
5.2	C ✓	1	
5.3	b. ✓	1	
6.1	D ✓	1	5
6.2	c✓ b✓ d ✓ a✓	letshwao le ba bakeng sa e k e nngwe le e nngwe	

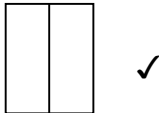
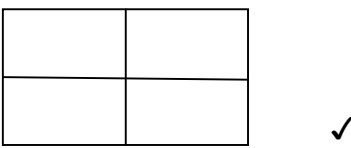
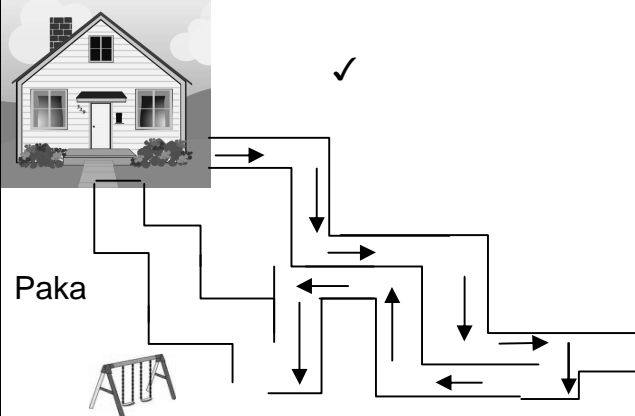
7.1	a.	kubiki ✓	O se tsotelle mopeleto	1	2
	b.	kgutlotharo ✓		1	
7.2			kgutlotharo ✓	1	4
			kubiki ✓	1	
			Kgutlonne-tsepa ✓	1	
			silindara ✓	1	
7.3	a. Amohela karabo e nngwe le e nngwe e nang le sebopeleng sa 2-D ✓ a. Amohela karabo e nngwe le e nngwe e nang le ntho ya 2-D ✓			2	2
8.1	 ✓			1	3
8.2	  ✓			1	
8.3	   ✓			1	
9.1a.	<div> 689 - 237 = 600 + 80 + 9 - 200 + 30 + 7 = 600 + 80 + 9 - 200 + 30 + 7 ✓ = 400 + 50 + 2 = 452 ✓ kapa </div> <div> 9 - 7 = 2 80 - 30 = 50 ✓ <u>600 - 200 = 400</u> <u>689 - 237 = 452</u> ✓ kapa </div> <div> Le 1 ✓ 689 - 200 → 489 - 30 → 459 - 7 → 452 ✓ Letshwa le 1 bakeng sa palo letshwao bakeng sa karabo </div>			2	

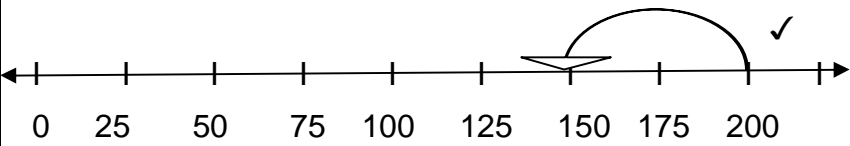
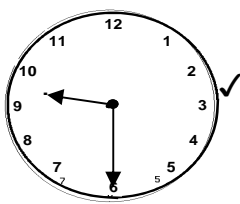
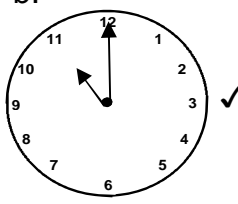
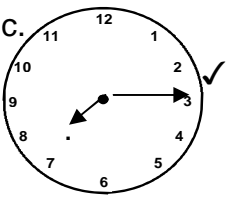
9.1b.		<div>2 + 6 = 8</div> <div>80 + 10 = 90 ✓</div> <div>300 + 400 = 700</div> <div>382 + 416 = 798 ✓</div> <div>kapa</div> <div>✓</div> <div>382 + 400 → 782 + 10 → 792 + 6 → 798 ✓</div> <div>Letshwao le 1 bakeng sa palo le letshwao le 1 bakeng sa karabo.</div>		
9.1c.		<div>39 ÷ 3</div> <div>30 ÷ 3 = 10 ✓</div> <div>3 ÷ 3 = 1</div> <div>10 + 1 = 11 ✓</div> <div>Letshwao le 1 bakeng sa palo le letshwao le 1 bakeng sa karabo</div>	2	4
9.1d.		<div>23 x 2</div> <div>20 x 2 = 40✓</div> <div>3 x 2 = 6</div> <div>40 + 6 = 46✓</div> <div>Letshwao le 1 bakeng sa palo 1 letshwao bakeng sa karabo.</div>	2	
10.	a.	122; 142 ; 162; 182 ; 202; 222 ; 242 . ✓	1	4
	b.	475; 450; 425; 400 ; 375 ; 350 ; 325 .✓	1	
	c.	173; 172; 171; 170 ; 169 ;168;167 ; 166 .✓	1	
	d.	195; 190; 185 ; 180 ; 175 ; 170 , 165. ✓	1	

11.1		Makgolo a mane mashome a tsheletseng le metso e robedi		
11.2		<div> <div>134</div> <div>200</div> <div>145</div> <div>67</div> </div> <div> <div>makgolo a mabedi ✓</div> <div>mashome a tsheletseng le metso e supileng ✓</div> <div>lekgolo mashome a mararo le metso e mene ✓</div> <div>lekgolo mashome a mane le metso e mehlano ✓</div> </div>	1 letshwao ba e nngwe le e	4
11.3		D ✓	1	3
11.4		309 ✓	1	
11.5		C ✓	1	
11.6	a.	199 ✓	1	2
	b.	78 ✓	1	
12.1		700 kapa makgolo a supileng ✓	1	5
12.2	a.	Mashome a mahlano / 5 mashome ✓	1	
	b.	Metso e mene ✓	1	
12.3	a.	600 /makgolo a tsheletseng ✓	1	
	b.	9 /robong ✓	1	
13.1.		605 ✓	1	6
13.2	a.	189 ✓	1	
	b.	200 ✓	1	
	c.	73 ✓	1	
13.3	a.	100 + 30 + 6 ✓	1	
	b.	30 + 6 ✓	1	6
14.1	a.	406 ; 404 ; 402 ; 400 ✓	1	
	b.	132 ; 135 ; 138 ; 141 ✓	1	
14.2	a.	810, 830, 850, 870 ✓ molawana: ho balla pele ka bo 20 ✓	1 1	
	b.	380, 384, 388, 392 ✓ Molawana: balla pele ka bo 4 ✓	1 1	

15.1	 Ho na le molahare o le mong feela. ✓		1	3
15.2	 Amohela e nngwe le e nngwe ya tse ka hodimo. ✓		1	
15.3	 ✓		1	
16.1	3 cm✓		1	4
16.2	a.	sentimetara✓	1	
	b.	kilogramo✓	1	
	c.	litara✓	1	
17.1	a.	kilogramo✓	1	7
	b.	mililitara✓	1	
17.2	a	8✓	1	
	b	20✓	1	
	c	10✓	1	
	d	3✓	1	
17.3	5ml 250 ml 500 ml 1 / ✓		1	

18.1	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $\begin{aligned} & \checkmark \\ \text{Nomoro ya mabidi} &= 3+3+3+3+3 \\ &= 15 \quad \checkmark \end{aligned}$ </div> <p style="text-align: center;">kapa</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $\begin{aligned} \text{kaofela} &= 3 \times 5 \quad \checkmark \\ &= 15 \quad \checkmark \end{aligned}$ </div> <p>Letshwao le 1 bakeng sa mokgwa o mong le o mong o nepahetseng, letshwao le 1 bakeng sa karabo.</p>	2	2
18.2	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $\begin{aligned} (45 + 40) &\div 4 \quad \checkmark \\ &= 85 \div 4 \\ &= (40 + 40 + 5) \div 4 \\ &= 10 + 10 + 1 + 1 \text{ ya sala} \\ &= 21 \text{ ho sala } 1 \quad \checkmark \end{aligned}$ </div> <p style="text-align: center;">kapa</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $\begin{aligned} &45 \div 4 + 40 \div 4 \\ &= 11 \text{ rem } 1 + 10 \quad \checkmark \\ &= 21 \text{ rem } 1 \quad \checkmark \end{aligned}$ </div> <p>Letshwao le 1 bakeng sa mokgwa, letshwao le 1 bakeng sa karabo.</p>	2	2
18.3	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $99 \div 3 = 33 \quad \checkmark$ </div> <p style="text-align: center;">kapa</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> $\begin{aligned} 90 \div 3 &= 30 \\ 9 \div 3 &= 3 \quad \checkmark \\ 30 + 3 &= 33 \quad \checkmark \end{aligned}$ </div> <p>Letshwao le 1 bakeng sa mokgwa, letshwao le 1 bakeng sa karabo e nepahetseng.</p>	2	2

18.4	<div> $\begin{aligned} &138 - 22 \\ &= 100 + 30 + 28 - 20 - 2 \\ &= 100 + 30 - 20 + 8 - 2 \\ &= 100 + 10 + 6 \checkmark \\ &= 116 \end{aligned}$ </div> <p>kapa</p> <div> $\begin{array}{ccc} \checkmark & & \checkmark \\ 122 - 30 \rightarrow & 92 - 8 \rightarrow & 84 \end{array}$ </div> <p>Letshwao le 1 bakeng sa mokgwa, letshwa le 1 bakeng sa karabo.</p>	2	2
19.1.		1	2
19.2		1	
20.1	<p>Ntlo ya Sipho</p> 	1	2

20.2		5 ✓	1	
21.1	a.	tekesi ✓	1	10
	b.	$100 - 60 = 40$ ✓	1	
21.2	a.	Jane✓	1	
	b.	15cm✓		
	c.	Themba le Lea ✓	1	
	d.	330cm✓		
22.1	a.	Pensele, buka , bolo✓	1	
	b.	$R50 - R15 = R35$ ✓	1	
	c.	$R32 - R15 = R17$ ✓	1	
22.2.	a.	$R15.50 + R15.50 = R31.00$ ✓ kapa $R15.50 \times 2 = R31.00$ ✓ $R31.00 + R9.95 = R40.95$ ✓	3	
	b.	$R50.00 - R40.95 = R9.05$ ✓	1	
	c.	$R10.00 + R25.00 = R35.00$ ✓ $R60.00 - R35.00 = R25.00$ ✓	2	
22.3	a.	995c ✓	1	
	b.	R15.50 ✓	1	
23.1		$50 + 50 + 75 = 175$ ✓	1	2
23.2			1	
24.1		Metsotso e leshome le metso e mehlano kamora hora ya bobedi/ ya 2 ✓	1	5
24.2		Metsotso e mashome a mararo/halofo ya hora ✓	1	
24.3		<p>a. </p> <p>b. </p> <p>c. </p>	Letshwao le l bakeng sa e r e nngwe.	

25.1.	13 14 15 ✓ 22 24 25 ✓	2	7
25.2	21 22 23 24 26 27 28 ✓	1	
25.3.	1	Mashome a mabedi le metso e mmedi. ✓	
	22	Leshome le metso e mene. ✓	
	23	Nngwe. ✓	
	14	Mashome a mabedi le metso meraro. ✓	