

DEPARTMENT OF BASIC EDUCATION
REPUBLIC OF SOUTH AFRICA
LUHLOLO LWEMNYAKA LWAVELONKHE 2012
LIBANGA 3 TIBALO
IMEMORANDAMU (BRAILLE)

EMAMAKI: 60

Lokumele ukucaphele nawumakha:

1. Nika emamaki lagcwele ngetimphendvulo kuphela, ngaphandle nakushiwo.
2. Vumela noma nguyiphi indlela lenemphendvulo lekungiyi kumemorandamu.

UMBUTO	TIMPHENDVULO LETILINDZELEKILE	EMAMAKI	SAMBA
1	a 100; 125; 150 ✓	1	3
	b 658; 638; 618 ✓	1	
	c 150; 200; 300 ✓ noma 350 ; 300 ; 200 ✓	1	
2	a Emashumi layimfica/lasishiyagalolunye nesihlanu ✓ . Yemukela imphendvulo lekungiyi nobe ngaliphi ulwimi lolusemtfetfweni. Ungabajeziseli sipelingi.	1	2
	b Emakhulu lamatsafu nemashumi lasikhombisa nakubili ✓ Yemukela imphendvulo lekungiyi nobe ngaliphi ulwimi lolusemtfetfweni. Ungabajeziseli sipelingi.	1	
3	a 542,452,425,245 ✓	1	2
	b 1kulokune/ikota , 1 kulokutsafu, 1 hhafu ✓ Yemukela luphawu noma umdvwebo longiwo waletincetu.	1	
4	a $400 + 200 + 30 + 10 + 1 + 3$ ✓ $= 600 + 40 + 4$ ✓ $= 644$ ✓ noma $431 + 200 \rightarrow 631 + 10 \rightarrow 641 + 3 \rightarrow 644$	3	10
	b $70 + 2 - 30 - 7$ ✓ $= 60 + 12 - 30 - 7$ ✓ noma $72 - 30 \rightarrow 42 - 7 \rightarrow 35$ ✓ $= 60 - 30 + 12 - 7$ ✓ $= 30 + 5$ ✓ $= 35$ ✓	3	
	c $3 \times 1 = 3$ ✓ $3 \times 31 = 93$ ✓ ✓ $3 \times 30 = 90$ noma $31 + 31 + 31 = 93$ ✓ $3 \times 31 = 93$ ✓	2	
	d Uma $80 \div 4 = 20$ ✓ Indlela: 1 limaki and $4 \div 4 = 1$ ✓ imphendvdulo: 1limaki usho kutsi $20 + 1 = 21$ ✓	2	
5	a 70 noma 7S noma emashumi la-7, noma emashumi lasikhombisa ✓	1	2
	b 500 noma 5KH noma emakhulu la-5 ✓	1	
6	22, 23, 25 ✓	1	1

7	a	$(2 \times R1,50) + R1,00 = R4,00$ ✓ \checkmark Intjintji = $R5 - R4 = R1/100c$ Susa limaki uma kungekho umuvo (iyuniti) kumphendvulo. ✓	3	6
	b	$\checkmark \quad \checkmark \quad \checkmark$ $R3,40 - R1,75 = R1,65$ Susa limaki uma kungekho umuvo (iyuniti) kumphendvulo.	3	

8	a	Inombolo yemasontfo = $12 \times 5 = 60$	2	4						
	b	Inombolo yemabhanisi = $69 \div 2 = 34$ nehhafu	2							
9	a	572 ✓	1	6						
	b	$300 + 80 + 5$ ✓ Yemukela nobe nguluphi luhla.	1							
	c	$49 + 49 = 98$ noma $2 \times 49 = 98$ ✓	1							
	d	397 , 398 , 399 , 400 , 401 , 402 ✓	1							
	e	137 ✓	1							
	f	C noma 300 ✓ Yemukela uma ngabe mphendvulo lefanele ifakwe ngekhatsi kwendilinga/idvwetjelwe.	1							
10.	a	f g d ✓	1	2						
	b	275 ✓	1							
11.	<table><tr><td>Bobunjwa labange (2-D)</td><td>Bobunjwa labange (3-D)</td></tr><tr><td>Calantsatfu</td><td>Isilinda</td></tr><tr><td>Calandze</td><td>Ikhyubi/Ibhokisi</td></tr></table>		Bobunjwa labange (2-D)	Bobunjwa labange (3-D)	Calantsatfu	Isilinda	Calandze	Ikhyubi/Ibhokisi	1 1	4
	Bobunjwa labange (2-D)	Bobunjwa labange (3-D)								
	Calantsatfu	Isilinda								
	Calandze	Ikhyubi/Ibhokisi								
		1 1								
Yemukela imphendvulo lekungiyi nobe ihleleke ngaluphi Luhla kukholumu ngayinye.										
12.	a.	a ✓	1	2						
	b.	b ✓	1							
13.	a.	31 ✓	1	3						
	b. b	4 ✓	1							
	c.	Lesihlanu ✓	1							

14	a.	b ✓	1	3
	b.	Lutsi loludze lukhombe 6 lolufisha ku -11.	1	
	c.	9	1	
15	a	khilogremu ✓	1	4
	b	malitha	1	
	c	sentimitha ✓	1	
	d	15 cm ✓	1	
16		45 ✓ / lemashumi lamane nesihlanu	1	1
17	a.	7 ✓	1	5
	b.	Kim ✓	1	
	c.	140 cm ✓	1	
	d.	Tsatsa imphendvulo leconjelwe emkhatsini we 100 cm ne-120 cm, sib. 110 cm ✓	1	
	e.	Pat ✓	1	
SAMBA: 60				