



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

UKUHLOLWA KWAKAZWELOKE KOKUPHELA KOMNYAKA

IGREYIDI 3

IIMBALO - ISINDEBELE

ISEDE 2: ISIBONELO

IMEMORANDAMU

UMBUZO		IIMPENDULO EZILINDELEKILEKO													IMITLOM ELO	
1.		a	497	496	495	494	493	492	491	490	489	488	487	486	485	1 1 1 1 1 1
		b	210	220	230	240	250	260	270	280	290	300	310	320	330	
		c	385	380	375	370	365	360	355	350	345	340	335	330	325	
		d	398	400	402	404	406	408	410	412	414	416	418	420	422	
		e	399	396	393	390	387	384	381	378	375	372	369	366	363	
		f	144	148	152	156	160	164	168	172	176	180	184	188	192	
2.	a	900 , 800 , 700 , 600 , 500 , 400 , 300 , 200.													1	
	b	150 , 200 , 250 , 300 , 350 , 400 , 450 , 500													1	
3.	Phambili ngamatjumi: 110 , 120, 130 , 140 , 150 , 160 , 170, 180, 190, 200															1
	Emva ngakuhlanu: 190, 185, 180 , 175 , 170 , 165 , 160															1
	Phambili ngakuthathu: 153 , 156 , 159 , 162 , 165 , 168															1
	Emva ngakubili: 110, 108, 106, 104, 102, 100, 98															1
4.	268 inomboro yokugcina enambalayinini															1
5.	150 , 250 , 350, 450 , 550 , 650 , 750, 850															1
	Umthetho osetjenzisiweko: Kubala ngama- 100															1
6.	B															1
7.	250		Ikhulu netjumi nakhomba													5
	117		Ikhulu namatjumi amathathu nathoba													
	8		Makhulu amabili namatjumi amane nasithandathu													
	246		Makhulu amabili namatjumi amahlanu													
	139		Bunane													
8.	a	762													1	
	b	984													1	
	c	609													1	
9.	a	Makhulu amabili namatjumi amathathu nahlanu													1	
	b	Likhulu linye													1	
	c	Likhulu namatjumi abunane nantathu													1	
10.	a	Likhulu namatjumi amathathu nathoba $\sqrt{\quad}$ 139 $\sqrt{\quad}$													2	
	b	Likhulu namatjumi alithoba $\sqrt{\quad}$ 190 $\sqrt{\quad}$													2	

11.	a.	Makhulu amabili namatjhumu amane nane ✓	244 ✓	2
	b.	Likhulu namatjhumu amathathu nabunane ✓	138 ✓	2
	c.	Matjhumu abunane nabunane ✓	88 ✓	2
12.	a.	Likhulu namatjhumu amahlanu ✓	150 ✓	2
	b.	Makhulu amabili namatjhumu alikhomba nane ✓	274 ✓	2
	c.	Matjhumu amahlanu nahlanu ✓	55 ✓	2
13.	a.	Akusilo iqiniso		1
	b.	Liqiniso		1
	c.	Liqiniso		1
14.	a.	<		1
	b.	<		1
	c.	>		1
15.	a.	112 , 122 , 211 , 212 , 221		1
	b.	220 , 230 , 302 , 320 , 330		1
	c.	246 , 266 , 424 , 426 , 462		1
16.	a.	221 , 212 , 211 , 122 , 112		1
	b.	330 , 320 , 302 , 230 , 220		1
	c.	462 , 426 , 424 , 266 , 246		1
17.		B		1
18.	a.	3		1
	b.	200		1

	c.	0	1
	d.	20	1
19.	a.	236	1
	b.	9	1
	c.	2 yamakhulu 3 yamatjumi 6 yamayunithi	1
	d.	9	1
	e.	100	1
	f.	10	1
20.	a.	304	1
	b.	63	1
	c.	222	1
	d.	416	1
21.		315	1
22.		400 + 80 + 5	1
		200 + 200 + 40 + 40 + 3 + 2 nofana ukuhlahlelwa okhunye nokhunye	1
23.	a.	0yamakhulu, 6 yamatjumi, nofana 63 yamayunithi	1
	b.	2yamakhulu nofana 25 yamatjumi, nofana 258yamayunithi	1
	c.	3 yamakhulu nofana 306 yamayunithi	1
	d.	4 yamakhulu nofana 44 yamatjumi nofana 440 yamayunithi	1

24.	$50 + 20 + 5$	$360 \checkmark$	4
	$200 + 120 + 20 + 7$	$75 \checkmark$	
	$300 + 60 + 0$	$444 \checkmark$	
	$400 + 40 + 4$	$347 \checkmark$	

Ukusebenza ngeenomboro: Ukuhlanganisa, ukukhupha, ukubuyabuyelela nokuhlukanisa

1.	a.	Inomboro ebuyelelwe kabili	Inomboro	Inomboro equntwe phakathi	6
		$62 \checkmark$	31	15 nehafu \checkmark	
		$324 \checkmark$	162	$81 \checkmark$	
		$812 \checkmark$	406	$203 \checkmark$	
	b.	Inomboro	Inombor etjhidezwe etjhumuni (10)		2
		152	$150 \checkmark$		
		75	$80 \checkmark$		
2.	a.	Liqiniso			1
	b.	Akusilo iqiniso			1
	c.	Akusilo iqiniso			1
	d.	Akusilo iqiniso			1
3.	a.	$200 + 10 + 9 + 100 + 30 + 7 = 356$			1
	b.	$200 + 50 + 9 + 40 + 5 = 304$			1
	c.	$200 + 30 + 6 + 100 + 10 + 4 = 350$			1
4.	a.	302			1
	b.	328			1
	c.	221			1

5.	a.	400	1
	b.	290	1
6.	a.	$175 - 50 - 9 = 125 - 9 = 116$	1
	b.	$194 - 100 - 30 - 7 = 94 - 30 - 7 = 64 - 7 = 57$	1
7.	a.	$300 + 70 + 7 - 100 - 30 - 4 = 200 + 40 + 3 = 243$	2
	b.	$200 + 90 + 4 - 100 - 50 - 2 = 100 + 40 + 2 = 142$	2
8.	a.	$10 \times 5 + 3 \times 5 = 50 + 15 = 65$	2
	b.	$10 \times 4 + 7 \times 4 = 40 + 28 = 68$	2
9.	a.	$12 + 12 + 12 + 12 + 12 + 12 = 72$	1
	b.	$14 + 14 + 14 + 14 + 14 = 70$	1
10.	a.	$54 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 = 0$ itjho ukuthi $54 \div 6 = 9$	1
	b.	$72 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 = 0$ itjho ukuthi $72 \div 9 = 8$	1
11.	a.	$40 \div 10 + 30 \div 10 = 4 + 3 = 7$	1
	b.	$40 \div 8 + 8 \div 8 = 5 + 1 = 6$	1

Ukucarululwa komraro (isibalo ngamagama).




1.	a.	$499 - 163 = 336$	1
	b.	$216 + 93 = 309$	1
2.		Inomboro yamamabula = $125 - 82 = 43$	1
3.		Inomboro yamaswidi = $120 \times 2 = 240 - 96 = 144$	2

4.		Inomboro yamabha = $86 + 123 + 219 = 428$	1
5.		Inomboro yamavilo = $6 \times 3 = 18$	1
6.		Inomboro yamakherodi ngalinye $40 \div 5 = 8$	1
7.	a.	Inomboro ngayinye = $41 \div 2 = 20$ nohafu	1
	b.	Inomboro yamaqanda = $49 \div 4 = 12$ kusele li- 1	1
	c.	Inomboro ngayinye = $22 \div 3 = 7$ nesithathu si- 1 nofana 1 isele	2

Ukubalisisa ngokusebenzisa imali

1.		Inani elisetjenzisiweko = $20 \times 25c + 14 \times R2,50 + 20 \times R1,50 + 12 \times R5$ $= R1 \checkmark + R35 \checkmark + R30 \checkmark + R60 \checkmark$ $= R120 \checkmark$	5						
2.	a.	Intengo = $R10 + R3,50 + R3,50 \checkmark = R17,00$	2						
	b.	Itjhentjhi = $R5,00 + R5,00 + R5,00 = R15,00 \checkmark$ $R20,00 - R15,00 = R5,00 \checkmark$ nofana $R20 - R5 \times 3 = R20 - R15 = R5$	1						
3.	Inomboro yemincani yentanyeni	1	2	3	4	5	10	20	5
	Intengo ngamaranda	4	8	12	16	20	40	80	

AMAPHETHENI NIMISEBENZI

1.		1
2.		1
3.	Umtlomelo 1 ngowelandelano ekungilo	1
4.		1

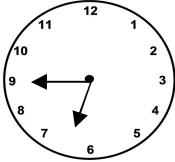
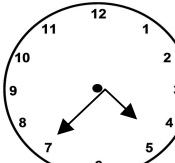
5.	a.	360, 363, 369, 372, 375,	Balela phambili ngaku- 3					2
	b.	440, 444, 448, 452, 456,	Balela phambili ngaku- 4					
6.	B						1	
7.	Imincamo yentanyeni		1	2	3	14	50	2
	Imincamo		10	20	30	140	500	

ISIKHALA NEBUMBEKO

1.	A						1
2.	Isikwere						1
3.	6						1
4.							4
5.	√ √ √ 2 , 1 and 4						3

UKULINGANISA

1.	a.	Imizuzu eli-18 libethile i-iri lobu-8 NOFANA 8:18 NOFANA 20:18	1
	b.	Imizuzu ebu-8 libethile i-iri le-10 NOFANA 10:08 NOFANA 22:08	1
	c.	Imizuzu eli-10 ngaphambi kwe-iri lesi- 2 NOFANA 1:50 NOFANA 13:50	1

2.	a.		1
	b.		1
3		2:35	1
4		Imizuzu ema-45	1
5		$22 - 8 = 14$ yamalanga	1
6	a	27 mm nofana 2cm nama 7mm	1
	b	18 mm nofana 1 cm nama 8 mm	1

UKUPHATHWA KWEDATHA

1	a	20	1
	b	Lesihlanu	1
	c	55	1
	d	$55 - 40 = 15$	1
2	a	4	1
	b	NguSazi	1
	c	Lisa	1
	d	$9 + 5 = 13$	1