basic education
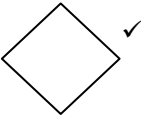
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA
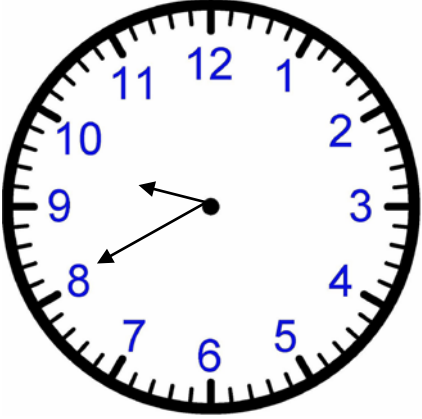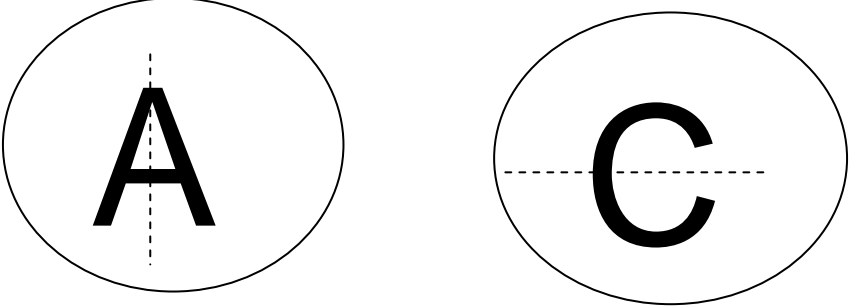
MARKS: 50

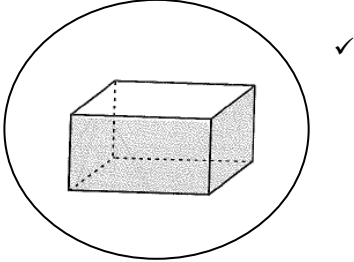**This memorandum consists of 5 pages.**

Important information:
1. **Give full marks for answers only, unless otherwise stated.**
2. **Accept any alternative correct solution that is not included in the memorandum.**
3. **CA refers to consistent accuracy. See clarification in Question 7.1.**

Question		Expected Answer	Clarification	Mark allocation	Total
1.	1.1	D✓		1	
	1.2	B✓		1	
	1.3	B✓		1	
	1.4	A✓		1	
	1.5	D✓		1	
	1.6	C✓		1	6
2.		(32 + 25) + 16 = (25 + <u>16</u> ✓)		1	1
3.	3.1	1 000 ✓		1	
	3.2	✓		1	2
4.		7 ✓		1	1
5.		< ✓		1	1
6.	6.1			1	
	6.2	Change = R50,00 – R26,70 = R23,30 ✓		1	2

7.	7.1	3 457 + 2 789 = 3 000 + 400 + 50 + 7 + 2 000 + 700 + 80 + 9 = 3 000 + 2 000 + 400 + 700 + 50 + 80 + 7 + 9 ✓ = 5 000 + 1 100 + 130 + 16 = 6 246 ✓ or 7 + 9 = 16 and 50 + 80 = 130 ✓ and 400 + 700 = 1 100 and 3 000 + 2 000 = 5 000 means 3 457 + 2 789 = 6 246 ✓ or ✓ ✓ 3 457 + 2 000 ⟶ 5 457 + 700 ⟶ 6 157 +80 ⟶ 6 237 + 9 ⟶ 6 246 or 3 457 + 9 ⟶ 3 466 + 80 ⟶ 3 546 + 700 ⟶ 4 246 + 2 000 ⟶ 6 246 ✓	Method: 1 mark Answer: 1 mark Apply CA	2	
	7.2	7 874 – 3 785 = 7 000 + 800 + 70 + 4 – 3 000 - 700 - 80 - 5 = 7 000 - 3 000 + 800 – 700 + 70 – 80 + 4 – 5 = 4 000 + 100 + 70-80 + 4- 5 = 4 000 + 170 – 80 + 4 - 5 = 4 000 + 90 + 4 – 5 ✓ ✓ = 4 000 + 80 + 14 – 5 = 4 000 + 80 + 9 = 4 089 ✓ or ✓ ✓ 7 874 – 3 000 ⟶ 4 874 – 700 ⟶ 4 174 – 80 ⟶ 4 094 – 5 ⟶ 4 089 ✓ or ✓ ✓ ✓ 7874 – 5 ⟶ 7 869 – 80 ⟶ 7 789 -700 ⟶ 7 089 -3 000 ⟶ 4 089	Method: 2 marks Answer: 1 mark Apply CA	3	
	7.3	76 x 35 = 76 x 7x 5 ✓ or 76 x 35 = 76 x 5 x 7 ✓ = 532 x 5 ✓ = 380 x 7 ✓ = 2 660 ✓ = 2 660 ✓ or 76 x 35 = 76 x (30 + 5) or 35 x (70 + 6) = (76 x 30) + (76 x 5) ✓ = (35 x 70) + (35 x 6) ✓ = 2 280 + 380 ✓ = 2 450 + 210 ✓ = 2 660 ✓ = 2 660 ✓	Method: 2 marks Answer: 1 mark Apply CA	3	

	7.4	$852 \div 6 = (600 + 240 + 12) \div 6$ $= (600 \div 6) + (240 \div 6) + (12 \div 6)$ ✓ $= 100 + 40 + 2$ ✓ $= 142$ ✓ or $852 \div 6 = 852 \div 2 \div 3$ ✓ $= 426 \div 3$ ✓ $= 142$ ✓ or $852 \div 6 = 852 \div 3 \div 2$ ✓ $= 284 \div 2$ ✓ $= 142$ ✓	Method: 2 marks Answer: 1 mark Apply CA	3	11
8.		$12 \div 3 = 8 \div 2$ ✓		1	1
9.		✓	Minute hand must point to 8. Hour hand must be between 9 and 10. The hour hand should be closer to the ten.	1	1
10.	10.1	C and D ✓		1	
	10.2	6 h 30 min. ✓		1	2
11.		Side view ✓		1	1
12.			The symmetry line need not be drawn. Accept A or C	1	1

13.		$1,5\ m$ ✓ or $1\frac{1}{2}\ m$		1	1
14.		36 hours ✓		1	1
15.		12 ⟶ [+6 ✓] ⟶ [x 3] ⟶ 54 ✓		1	1
16.	16.1	Number of litres = 5 x $1\frac{1}{2}$ = 5 × $(1 + \frac{1}{2})$ = 5 x 1 + 5 x $\frac{1}{2}$ = 5 + $2\frac{1}{2}$ = $7\frac{1}{2}$ or 7,5 ✓		1	
	16.2	Number of litres left = 7,5 − 5 = 2,5 ✓ or $2\frac{1}{2}$		1	2
17.	17.1	Yes ✓		1	1
	17.2	$\frac{3}{4}$ ✓		1	1
18.	18.1	<u>hexagon</u> ✓ <u>irregular</u> ✓		2	2
	18.2	The shape marked C ✓ is a pentagon. The shape marked B ✓ is a trapezium.		2	2
19.	19.1			1	2
	19.2	5 ✓		1	
20.		10 ✓✓ △1: 3+4+5=12 △2: 5+6+7=18 △3: 5+6+**10**=21	Answer only: 2 marks.	2	2
21.	21.1	Paper ✓		1	

21.2	Glass and plastic ✓		1	
21.3	$\frac{2}{4}$ or $\frac{1}{2}$ ✓		1	
21.4			2	5

Recycling material	Tally marks	Frequency
Paper	‖‖‖ ‖‖‖ ‖‖‖ ‖‖‖ ‖‖‖ ‖‖‖	30
Glass	‖‖‖ ‖‖‖ ‖‖‖ ✓	15
Plastic	‖‖‖ ‖‖‖ ‖‖‖	15 ✓

			TOTAL:	50