basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

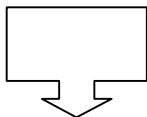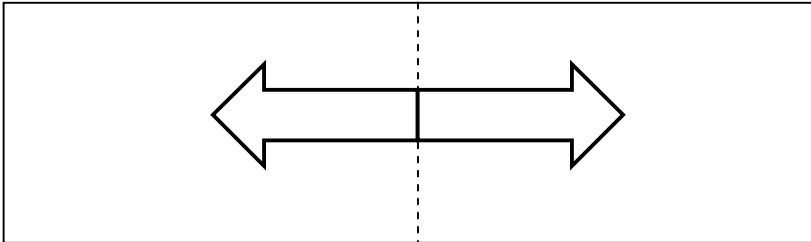**ANNUAL NATIONAL ASSESSMENT 2013**
GRADE 4 MATHEMATICS
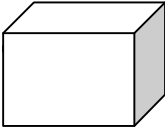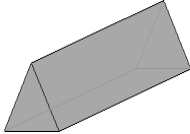**MEMORANDUM**
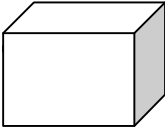
MARKS: 50

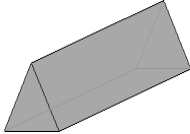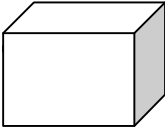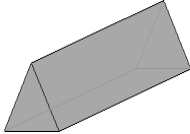**This memorandum consist of 5 pages.**

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 6.1.**

Question		Expected Answer	Clarification	Mark allocation	Total
1.	1.1	C✓		1	
	1.2	D✓		1	
	1.3	B✓		1	
	1.4	C✓		1	
	1.5	C✓		1	
	1.6	B✓		1	6
2.		3 ✓		1	1
3.	3.1	4 975 5025 ✓	Give full marks if both answers are correct.	1	
	3.2	✓		1	2
4.	4.1	$\frac{5}{5}$ or 1 ✓		1	
	4.2	32 ✓		1	2
5.	5.1	Amount = R1,95 - R1,20 = R0,75 or 75c ✓	Give full marks if a correct answer is provided.	1	
	5.2	Total amount = 10 × 75c = 750c or R7,50 ✓	Give full marks if a correct answer is provided.	1	2

Question		Expected Answer	Clarification	Mark allocation	Total
6.	6.1	3 456 + 2 909 = 3 000 + 400 +50 + 6 + 2 000 + 900 + 9 = 3 000 + 2 000 + 400 + 900 + 50 + 6 + 9 ✓ = 5 000 + 1 300 + 50 + 15 = 6 365 ✓ <u>or</u> 6 + 9 = 15 and 50 + 0 = 50 and 400 + 900 = 1 300 and 3 000 + 2 000 = 5 000 ✓ means 3 450 + 2 900 = 6 365 ✓ <u>or</u> ✓ ✓ 3 456 + 2 000 ⟶ 5 456 + 900 ⟶ 6 356 + 9 ⟶ 6 365	Method : 1 mark Answer : 1 mark Apply CA	2	
	6.2	13 − 4 = 9 and 20 − 0 = 20 and 400 − 100 = 300 ✓ ✓ and 5 000 − 2 000 = 3 000 means 5 433 − 2 104 = 3 329 ✓ <u>or</u> 5 433 − 2 104 = 5 000 − 400 − 30 − 3 − 2 000 − 100 − 4 = 5 000 − 2 000 − 400 − 100 − 20 − 13 − 4 ✓ ✓ = 3 000 − 300 − 20 − 9 = 3 329 ✓ <u>or</u> ✓ ✓ ✓ 5 433 − 2 000 ⟶ 3 433 − 100 ⟶ 3 333 − 4 ⟶ 3 329	Method : 2 marks Answer : 1 mark Apply CA	3	
	6.3	78 × 42 = 78 × 7 × 6 ✓ <u>or</u> 78 x 42 = 78 x 6 x 7 ✓ = 546 × 6 ✓ = 468 x 7 ✓ = 3 276 ✓ = 3 276 ✓ <u>or</u> 78 × 42 = 78 × (40 + 2) <u>or</u> 42 x (70 + 8) = (78 × 40) + (78 × 2) ✓ = (42 x 70) + (42 x 8) ✓ = 3 120 + 156 ✓ = 2 940 + 336 ✓ = 3 276 ✓ = 3 276 ✓	Method : 2 marks Answer : 1 mark Apply CA	3	

Grade 4 Mathematics Memorandum   2

Question		Expected Answer	Clarification	Mark allocation	Total
	6.4	$654 \div 6 = (600 + 54) \div 6$ ✓ $\quad\quad\quad = (600 \div 6) + (54 \div 6)$ ✓ $\quad\quad\quad = 100 + 9$ $\quad\quad\quad = 109$ ✓ or $654 \div 6 = 654 \div 2 \div 3$ ✓ <u>or</u> $654 \div 6 = 654 \div 3 \div 2$ ✓ $\quad\quad\quad = 327 \div 3$ ✓ $= 218 \div 2$ ✓ $\quad\quad\quad = 109$ ✓ $= 109$ ✓	Method: 2 marks Answer: 1 mark Apply CA	3	11
7.		$1\,613 - 859 = 754$ ✓		1	1
8.		✓	Long hand must point to 3. Short hand must point between 8 and 9.	1	1
9.	9.1	SAA 769 <u>or</u> BA 172 ✓	Accept one or both answers.	1	
	9.2	SAA 372 ✓		1	2
10.		B2 <u>or</u> 2B ✓	Accept one of the correct answers.	1	1

Question		Expected Answer	Clarification	Mark allocation	Total
11.		✓	Reflection on right: 1 mark	1	1
12.	12.1	1 248 *cm* ✓	Answer : 1 mark each correct answer	1	2
	12.2	1 hour 20 minutes ✓		1	
13.		44 ✓		1	1
14.		2 ℓ - 500 mℓ = 2 000 mℓ - 500 mℓ✓ = 1 500 mℓ ✓	2 000 mℓ: 1 mark Answer : 1 mark	2	2
15.	15.1	= ✓		1	
	15.2		Accept last three blocks coloured in too.	1	
	15.3	$\dfrac{3}{4}$ ✓		1	
	15.4	$\dfrac{1}{4}$ or 1 quarter ✓		1	4
16.	16.1	Pentagon ✓		1	

Question		Expected Answer			Clarification	Mark allocation	Total
	16.2	Quadrilateral ✓				1	2
17.		**Object**	**Name of the object**	**Shape of the faces**			
			Rectangular prism ✓	Rectangles		1	
			Triangular Prism	Triangles and rectangles ✓		1	2

Question		Expected Answer	Clarification	Mark allocation	Total
18.	18.1			3	

Kind of sport	Tally marks
Golf	‖ ✓
Baseball	⊬‖ ✓
Tennis	‖‖ ✓

Question		Expected Answer	Clarification	Mark allocation	Total
	18.2	Soccer ✓		1	
	18.3	5 ✓		1	5
19.		5 ✓✓		2	2
				TOTAL:	**50**