Mathematics · Grade 5

Memorandum · Term 1–4

TOTAL
75
MARKS

Marking guidelines

1. Award method marks even where the final answer is wrong.
2. Accept any correct method, including one that differs from the memorandum.
3. An answer without the unit loses the unit mark, not the whole question.
4. Where a question asks for two or more items, award one mark per correct item.
5. Do not deduct marks for handwriting, provided the answer can be read.

Question	Answer	Marks	Marking note
QUESTION 1 · Multiple choice · 6 marks			
1.1	c. Hundred thousands	**1**	
1.2	a. 1 000	**1**	
1.3	b. 4 635	**1**	
1.4	c. 4	**1**	
1.5	a. Angle A	**1**	
1.6	b. 1 000	**1**	
QUESTION 2 · Large numbers · 8 marks			
2.1	18 600; 18 800; 19 000	**2**	*1 mark for two correct, 2 for all three.*
2.2	200 000 + 70 000 + 5 000 + 100 + 40 + 8	**2**	*1 mark for the two largest parts, 1 for the rest.*
2.3	a. 275 148 > 138 965 b. 138 965 < 275 148	**2**	*1 mark each.*
2.4	a. 275 100 b. 280 000	**2**	*1 mark each.*
QUESTION 3 · Adding, subtracting and estimating · 8 marks			
3.1	414 113	**3**	*2 marks for the method, 1 for the answer.*

Question	Answer	Marks	Marking note
3.2	136 183; check: 136 183 + 138 965 = 275 148	**3**	*2 marks for the answer, 1 for the check.*
3.3	275 000 + 139 000 = 414 000	**2**	*1 mark for the rounding, 1 for the estimate.*
QUESTION 4 · Multiplying and dividing · 8 marks			
4.1	278 × 30 = 8 340; 278 × 4 = 1 112; together = 9 452	**3**	*2 marks for the method, 1 for the answer.*
4.2	36	**3**	*2 marks for the method, 1 for the answer.*
4.3	4 × R2 380 = R9 520	**2**	*1 mark for the operation, 1 for the answer.*
QUESTION 5 · Fractions and factors · 8 marks			
5.1	1; 2; 3; 4; 6; 8; 12; 16; 24; 48	**2**	*2 marks if all are correct; 1 if half are correct.*
5.2	Common factors: 1; 2; 3; 4; 6; 12. Largest: 12	**2**	*1 mark for the common factors, 1 for the largest.*
5.3	2 + 3 = 5; $\frac{3}{5}+\frac{4}{5}=7/5=1\frac{2}{5}$; $5+1\frac{2}{5}=6\frac{2}{5}$	**2**	*1 mark for adding the wholes and the fractions, 1 for $6\frac{2}{5}$. "5 7/5" earns 1 mark only.*
5.4	48 ÷ 3 = 16; 16 × 2 = 32	**2**	*1 mark per step.*
QUESTION 6 · Patterns and ratio · 8 marks			
6.1	112 ; 224. The rule: multiply by 2 (double) each time.	**3**	*1 mark per number, 1 for the rule.*
6.2	2 → 12; 5 → 27; 9 → 47; 12 → 62	**3**	*3 marks if all four are correct; 2 if three are correct.*
6.3	56 ÷ 7 = 8; 24 and 32	**2**	*1 mark for the parts, 1 for the answer.*
QUESTION 7 · Space and Shape · 11 marks			
7.1	A = smaller than a right angle; B = bigger than a right angle; C = a right angle	**3**	*1 mark each.*
7.2	Triangular prism: 5, 2 triangles and 3 rectangles; Cube: 6, squares	**4**	*2 marks per object: 1 for the number, 1 for the shape.*
7.3	Lindi = B; Thabo = A	**2**	*1 mark each.*

Question	Answer	Marks	Marking note
7.4	1. A square has four equal sides; a rectangle has two long and two short sides. 2. A square's diagonals cross at right angles; a rectangle's do not. (Also accept: a square has 4 lines of symmetry; a rectangle has only 2. Accept any two valid differences.)	**2**	*1 mark each.*
QUESTION 8 · Measurement · 11 marks			
8.1	a. 12 °C b. 26 °C c. 26 − 12 = 14 °C	**3**	*1 mark each (°C is needed in a and b).*
8.2	a. 380 cm b. 2 250 g c. 1 500 mℓ	**3**	*1 mark each.*
8.3	a. 2 × (24 + 9) = 66 m b. 14 square units	**4**	*a: 1 method, 1 answer with unit. b: 1 counting, 1 answer with unit.*
8.4	Litre (ℓ) or millilitre (mℓ).	**1**	
QUESTION 9 · Data Handling · 7 marks			
9.1	a. soccer b. $\frac{1}{4}$ c. $\frac{1}{2}$ of 40 = 20 d. 5 + 5 = 10	**4**	*1 mark each.*
9.2	a. 9 b. 11 c. No — on every toss heads and tails have the same chance, and the results differ by chance.	**3**	*1 mark each.*

Total **75 marks**



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