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	a. Hundred thousands	**1**	
1.2	b. 1 000	**1**	
1.3	a. 25 × 36	**1**	
1.4	a. 4	**1**	
1.5	b. Angle B	**1**	
1.6	c. 1 000	**1**	
QUESTION 2 · Large numbers · 8 marks			
2.1	33 000; 33 500; 34 000	**2**	*1 mark for two correct, 2 for all three.*
2.2	400 000 + 60 000 + 3 000 + 900 + 50 + 1	**2**	*1 mark for the two largest parts, 1 for the rest.*
2.3	a. 463 951 > 275 483 b. 275 483 < 463 951	**2**	*1 mark each.*
2.4	a. 464 000 b. 460 000	**2**	*1 mark each.*
QUESTION 3 · Adding, subtracting and estimating · 8 marks			
3.1	739 434	**3**	*2 marks for the method, 1 for the answer.*

Question	Answer	Marks	Marking note
3.2	188 468; check: 188 468 + 275 483 = 463 951	**3**	*2 marks for the answer, 1 for the check.*
3.3	464 000 + 275 000 = 739 000	**2**	*1 mark for the rounding, 1 for the estimate.*
QUESTION 4 · Multiplying and dividing · 8 marks			
4.1	425 × 20 = 8 500; 425 × 6 = 2 550; together = 11 050	**3**	*2 marks for the method, 1 for the answer.*
4.2	a. 64 × 10 = 640; 780 − 640 = 140; 64 × 2 = 128; 140 − 128 = 12 → 12 remainder 12 b. 13 buses	**3**	*a: 1 mark for the method, 1 for the answer. b: 1 mark — the 12 learners left over need one more bus.*
4.3	3 × R1 675 = R5 025	**2**	*1 mark for the operation, 1 for the answer.*
QUESTION 5 · Fractions and factors · 8 marks			
5.1	1; 2; 3; 6; 9; 18; 27; 54	**2**	*2 marks if all are correct; 1 if half are correct.*
5.2	Common factors: 1; 2; 3; 6; 9; 18. Largest: 18	**2**	*1 mark for the common factors, 1 for the largest.*
5.3	$\frac{1}{3}$; 5/12 ; $\frac{1}{2}$ ($\frac{1}{3}$ = 4/12 and $\frac{1}{2}$ = 6/12)	**2**	*2 marks if all three are correct; 1 mark if one pair is swapped.*
5.4	54 ÷ 3 = 18; 18 × 2 = 36	**2**	*1 mark per step.*
QUESTION 6 · Patterns and rate · 8 marks			
6.1	53 ; 65. The rule: add 12 each time.	**3**	*1 mark per number, 1 for the rule.*
6.2	2 → 13; 5 → 22; 9 → 34; 12 → 43	**3**	*3 marks if all four are correct; 2 if three are correct.*
6.3	12 × R18 = R180 + R36 = R216	**2**	*1 mark for the working, 1 for the answer.*
QUESTION 7 · Space and Shape · 11 marks			
7.1	A = a right angle; B = smaller than a right angle; C = bigger than a right angle	**3**	*1 mark each.*
7.2	Rectangular prism: 6, rectangles; Cube: 6, squares	**4**	*2 marks per object: 1 for the number, 1 for the shape.*
7.3	A = translation; B = reflection	**2**	*1 mark each.*

Question	Answer	Marks	Marking note
7.4	1. All a rectangle's angles are right angles; a parallelogram's are not. 2. A rectangle has 2 lines of symmetry; a parallelogram (that is not a rectangle) has none. (Also accept: a rectangle's diagonals are equal in length. Accept any two valid differences.)	**2**	*1 mark each.*
QUESTION 8 · Measurement · 11 marks			
8.1	2 hours and 50 minutes (170 minutes)	**3**	*2 marks for the method, 1 for the answer.*
8.2	a. 2 250 g b. 2 kg 250 g c. $2\frac{1}{4}$ kg	**3**	*1 mark each.*
8.3	a. 2 × (16 + 14) = 60 m b. 3 × 60 m = 180 m	**4**	*2 marks each.*
8.4	Metre (m).	**1**	
QUESTION 9 · Data Handling · 7 marks			
9.1	a. Grade 5 b. 45 c. 35 + 50 + 20 + 45 = 150 d. Any true summary, e.g. "Grade 5 collected the most and Grade 6 the fewest."	**4**	*1 mark each.*
9.2	a. 3 ; 3 ; 4 ; 4 ; 4 ; 5 ; 5 ; 5 ; 5 ; 6 ; 7 b. 5 c. 2	**3**	*1 mark each.*

Total **75 marks**



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