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	b. Hundred thousands	**1**	
1.2	c. 1 000	**1**	
1.3	c. 100 °C	**1**	
1.4	b. $\frac{3}{5}$	**1**	
1.5	b. Angle B	**1**	
1.6	a. 1 000	**1**	
QUESTION 2 · Large numbers · 8 marks			
2.1	25 000; 25 250; 25 500	**2**	*1 mark for two correct, 2 for all three.*
2.2	300 000 + 80 000 + 4 000 + 700 + 20 + 6	**2**	*1 mark for the two largest parts, 1 for the rest.*
2.3	a. 384 726 > 157 948 b. 157 948 < 384 726	**2**	*1 mark each.*
2.4	a. 384 725 b. 385 000	**2**	*1 mark each.*
QUESTION 3 · Adding, subtracting and estimating · 8 marks			
3.1	542 674	**3**	*2 marks for the method, 1 for the answer.*

Question	Answer	Marks	Marking note
3.2	226 778; check: 226 778 + 157 948 = 384 726	**3**	*2 marks for the answer, 1 for the check.*
3.3	385 000 + 158 000 = 543 000	**2**	*1 mark for the rounding, 1 for the estimate.*
QUESTION 4 · Multiplying and dividing · 8 marks			
4.1	346 × 20 = 6 920; 346 × 7 = 2 422; together = 9 342	**3**	*2 marks for the method, 1 for the answer.*
4.2	34	**3**	*2 marks for the method, 1 for the answer.*
4.3	3 × R1 245 = R3 735	**2**	*1 mark for the operation, 1 for the answer.*
QUESTION 5 · Fractions, decimals and factors · 8 marks			
5.1	1; 2; 3; 4; 6; 9; 12; 18; 36	**2**	*2 marks if all are correct; 1 if half are correct.*
5.2	1; 2; 3; 4; 6; 12	**2**	*2 marks for all six with no wrong numbers; 1 mark for at least three.*
5.3	$5\frac{1}{3} = 4\ 4/3$; $4\ 4/3 - 2\ 2/3 = 2\frac{2}{3}$	**2**	*1 mark for the working, 1 for the answer. Also accept counting back: $5\frac{1}{3} - 2 = 3\frac{1}{3}$; $3\frac{1}{3} - \frac{2}{3} = 2\frac{2}{3}$.*
5.4	36 ÷ 3 = 12; 12 × 2 = 24	**2**	*1 mark per step.*
QUESTION 6 · Patterns and ratio · 8 marks			
6.1	42 ; 51. The rule: add 9 each time.	**3**	*1 mark per number, 1 for the rule.*
6.2	2 → 11; 5 → 23; 9 → 39; 12 → 51	**3**	*3 marks if all four are correct; 2 if three are correct.*
6.3	63 ÷ 7 = 9; 18 and 45	**2**	*1 mark for the parts, 1 for the answer.*
QUESTION 7 · Space and Shape · 11 marks			
7.1	A = bigger than a right angle; B = a right angle; C = smaller than a right angle	**3**	*1 mark each.*
7.2	Square pyramid: 5, 1 square and 4 triangles; Cube: 6, squares	**4**	*2 marks per object: 1 for the number, 1 for the shape.*
7.3	Rectangle: 2; Equilateral triangle: 3	**2**	*1 mark each.*

Question	Answer	Marks	Marking note
7.4	a. rectangle b. A – the rectangles fit together with no gaps and no overlaps; the circles in B leave gaps	**2**	*1 mark each. For b the mark is for the reason.*
QUESTION 8 · Measurement · 11 marks			
8.1	2 hours and 45 minutes (165 minutes)	**3**	*2 marks for the method, 1 for the answer.*
8.2	a. 435 cm b. 4 750 g c. 3 250 mℓ	**3**	*1 mark each.*
8.3	a. 2 × (18 + 12) = 60 m b. 18 × 12 = 216 m²	**4**	*2 marks each.*
8.4	Kilogram (kg).	**1**	
QUESTION 9 · Data Handling · 7 marks			
9.1	a. Wednesday b. Tuesday c. 52 d. 17 − 9 = 8	**4**	*1 mark each.*
9.2	a. 6 b. 1 ; 2 ; 3 ; 4 ; 5 ; 6 c. No — every outcome has the same chance.	**3**	*1 mark each.*

Total **75 marks**



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