Mathematics · Grade 5

Memorandum · Term 1–4

TOTAL
65
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 · 7 marks			
1.1	a. 72 mm	**1**	
1.2	b. 20:40	**1**	
1.3	a. A bathroom scale	**1**	
1.4	a. 12 cm	**1**	
1.5	b. 100 cm	**1**	
1.6	c. 15	**1**	
1.7	a. perimeter	**1**	
QUESTION 2 · Matching · 4 marks			
2.1	1 = C (perimeter); 2 = A (area); 3 = E (mass); 4 = B (capacity)	**4**	*1 mark each.*
QUESTION 3 · Time · 8 marks			
3.1	a. 25 minutes past 3 (3:25) b. 15:25	**2**	*1 mark each.*
3.2	a. 1 hour 5 minutes b. 09:40 c. Bus 2 d. 7 hours 10 minutes	**4**	*1 mark each. (c) Bus 2 arrives at 10:20, before 14:30; Bus 3 arrives at 14:55, too late.*
3.3	17:50 + 2 hours 25 min = 20:15	**2**	*1 mark for working, 1 for the answer.*

Question	Answer	Marks	Marking note
QUESTION 4 · Temperature · 5 marks			
4.1	a. 13 °C b. 27 °C c. 27 − 13 = 14 degrees	**3**	*1 mark each.*
4.2	a. 0 b. 37	**2**	*1 mark each.*
QUESTION 5 · Length and mass · 10 marks			
5.1	3 km 700 m = 3 700 m; 2 kg 450 g = 2 450 g; 85 cm = 850 mm	**3**	*1 mark each.*
5.2	a. 1 400 g b. 1 kg 400 g	**2**	*1 mark each.*
5.3	42 × 16 = 672 kg	**3**	*2 marks for the working, 1 for the answer with the unit.*
5.4	2 400 × 5 = 12 000 m	**2**	*1 mark for working, 1 for the answer with the unit.*
QUESTION 6 · Comparing masses · 3 marks			
6.1	The sugar ($2\frac{1}{2}$ kg = 2 500 g)	**1**	*1 mark.*
6.2	1 kg 250 g; 1 500 g; $1\frac{3}{4}$ kg (1 250 g; 1 500 g; 1 750 g)	**2**	*2 marks for the correct order, 1 if one pair is swapped.*
QUESTION 7 · Capacity and volume · 6 marks			
7.1	a. 750 mℓ b. 1 000 − 750 = 250 mℓ	**2**	*1 mark each.*
7.2	5 cubic units	**2**	*2 marks for 5 (1 mark for 4 or 6 with counting shown).*
7.3	250 ÷ 18 = 13 remainder 16 → 13 full days	**2**	*1 mark for working, 1 for 13 full days.*
QUESTION 8 · Mass and volume · 4 marks			
8.1	3 × R16 = R48; $\frac{1}{2}$ × R16 = R8; R48 + R8 = R56	**2**	*1 mark for the working, 1 for the answer.*
8.2	5 × 3 = 15 cubes in a layer; 15 × 4 = 60 cubes	**2**	*1 mark each.*
QUESTION 9 · Perimeter and area · 8 marks			
9.1	Perimeter = 24 + 15 + 24 + 15 = 78 cm	**3**	*1 mark for adding the four sides, 1 mark for 78, 1 mark for the unit (cm).*
9.2	7 + 7 + 7 + 7 = 28 cm	**1**	*The unit is required.*
9.3	9 square units	**1**	

Question	Answer	Marks	Marking note
9.4	12 + 7 + 12 + 7 = 38 m	**3**	*2 marks for the working, 1 for the unit. The tiled border is extra information.*
QUESTION 10 · Perimeter and area · 6 marks			
10.1	a. 18 + 9 + 18 + 9 = 54 cm b. 13 square units	**4**	*a: 1 mark for the working, 1 mark for 54 cm. b: 2 marks for 13 (1 mark for 12 or 14 with counting shown).*
10.2	10 square units	**2**	*2 marks for 10 (1 mark for 9 or 11 with counting shown).*
QUESTION 11 · Perimeter and area · 4 marks			
11.1	a. 8 + 5 + 8 + 5 = 26 m b. 5 rows of 8 = 40 squares; the area is 40 square metres	**4**	*a. 1 mark for the working, 1 for the answer with its unit. b. 1 mark for the working, 1 for the answer. No formula is required; accept counting in rows.*

Total **65 marks**



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