Mathematics · Grade 5

Memorandum · Term 1–4

TOTAL 50 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. 45 mm	**1**	
1.2	c. A cube	**1**	
1.3	a. 19:15	**1**	
1.4	b. 60 cm²	**1**	
1.5	c. 2 500 mℓ	**1**	
1.6	b. a heptagon	**1**	*Hepta means seven.*
QUESTION 2 · Time and temperature · 8 marks			
2.1	a. 25 minutes past 3 (03:25) b. 15:25	**2**	*1 mark each.*
2.2	08:45 to 11:00 = 2 h 15 min (1); 11:00 to 11:20 = 20 min (1); total 2 hours 35 minutes (2).	**4**	*1 mark for 08:45 to 11:00 = 2 h 15 min; 1 mark for 11:00 to 11:20 = 20 min; 2 marks for the total 2 h 35 min.*
2.3	a. 24 °C b. 24 − 9 = 15 degrees	**2**	*1 mark each.*
QUESTION 3 · Length and mass · 10 marks			
3.1	3,7 km = 3 700 m; 2 450 g = 2,45 kg; 85 cm = 850 mm	**3**	*1 mark each.*
3.2	a. 1 400 g b. 1,4 kg	**2**	*1 mark each.*

Question	Answer	Marks	Marking note
3.3	a. 2 500 g b. 2 × R14 = R28; $\frac{1}{2}$ × R14 = R7; R28 + R7 = R35	**3**	*a. 1 mark. b. 1 mark for the working, 1 for R35.*
3.4	2,4 × 5 = 12 km	**2**	*1 mark for working, 1 for the answer with the unit.*
QUESTION 4 · Capacity and volume · 6 marks			
4.1	a. 750 mℓ b. 0,75 ℓ	**2**	*1 mark each.*
4.2	5 cubic units	**2**	*1 mark for counting the cubes correctly (3 at the bottom + 2 on top), 1 mark for 5.*
4.3	10 × 5 × 4 = 200 cubes	**2**	*1 mark for 10 × 5 × 4; 1 mark for 200 cubes.*
QUESTION 5 · Perimeter and area · 8 marks			
5.1	Perimeter = 24 + 15 + 24 + 15 = 78 cm. Area = 24 × 15 = 360 cm²	**3**	*1 mark for perimeter, 2 marks for area (working and unit).*
5.2	7 cm	**1**	*The unit is required.*
5.3	9 square units	**1**	
5.4	Perimeter: 9 + 6 + 9 + 6 = 30 m (1 for working, 1 for answer). Area: 9 × 6 = 54 m² (1).	**3**	*Perimeter 9 + 6 + 9 + 6 = 30 m: 1 mark working, 1 mark answer. Area 9 × 6 = 54 m²: 1 mark.*
QUESTION 6 · 3D objects and position · 7 marks			
6.1	A = cube; C = cylinder; E = sphere (ball)	**3**	*1 mark each.*
6.2	a. B4 b. the clinic c. C4; the sports field	**4**	*1 mark for a, 1 for b, 1 for C4 and 1 for the sports field. Accept "4B" style only if both the letter and the number are right.*
QUESTION 7 · Data handling and probability · 5 marks			
7.1	Three bars (12, 8, 5). 1 mark for the bars, 1 for each axis label.	**3**	
7.2	a. 7 b. No – each toss happens by chance, so 20 tosses seldom give exactly 10 and 10.	**2**	*1 mark each. For b the mark is for the reason, not for the word "no".*

Total **50 marks**



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