Mathematics · Grade 6

Memorandum · Term 1–4

TOTAL
55
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. acute angle	**1**	
1.2	c. 5	**1**	
1.3	a. 6	**1**	
1.4	b. 1 000 g	**1**	
1.5	c. 19:15	**1**	
1.6	a. length × width	**1**	
QUESTION 2 · Enlargements · 4 marks			
2.1	A right-angled triangle with a vertical side of 4 grid units and a horizontal side of 6 grid units (twice 2 and twice 3).	**2**	*1 mark per correct side; the third side closes the triangle.*
2.2	Stays the same: the shape / the angles (1). Changes: the sides are twice as long / the triangle is bigger / it covers more squares (1).	**2**	*1 mark each. Accept any correct pair.*
QUESTION 3 · 2D shapes · 6 marks			
3.1	a. A = hexagon; B = pentagon b. A and C c. irregular – its sides (and angles) are not all equal	**4**	*a. 1 mark each; b. 1 mark; c. 1 mark.*
3.2	4	**1**	*1 mark.*

Question	Answer	Marks	Marking note
3.3	A square has four equal sides; a rectangle has equal opposite sides but adjacent sides differ.	**1**	*1 mark.*
QUESTION 4 · 3D objects · 4 marks			
4.1	A = cube; C = cylinder; E = sphere (ball)	**3**	*1 mark each.*
4.2	The sphere (ball).	**1**	*1 mark.*
QUESTION 5 · Perimeter, area and volume · 9 marks			
5.1	Perimeter = 2(48 + 25) = 146 cm. Area = 48 × 25 = 1 200 cm²	**4**	*2 marks each, with the unit.*
5.2	7 cubic units	**2**	*2 marks for the correct answer 7.*
5.3	48 ÷ 4 = 12 cm per side; 12 × 12 = 144 cm²	**3**	*1 mark per step.*
QUESTION 6 · Double bar graph · 5 marks			
6.1	netball	**1**	
6.2	a. 12 b. 10 − 2 = 8	**2**	*1 mark each.*
6.3	a. swimming b. 25 boys + 26 girls = 51 learners	**2**	*1 mark each.*
QUESTION 7 · Measurement · 4 marks			
7.1	4 500 m	**1**	*1 mark.*
7.2	2,35 kg	**1**	*1 mark.*
7.3	3 000 mℓ	**1**	*1 mark.*
7.4	750 mm	**1**	*1 mark.*
QUESTION 8 · Time · 7 marks			
8.1	a. Twenty past ten (10:20) b. 22:20	**3**	*2 marks for (a), 1 for (b).*
8.2	18:40 + 2 hours 25 min = 21:05	**2**	*1 mark per step.*
8.3	19 days in March + 3 days in April = 22 days (also accept 23 if both 12 March and 3 April are counted)	**2**	*1 mark per step.*

Question	Answer	Marks	Marking note
QUESTION 9 · Data handling · 5 marks			
9.1	a. 11 + 7 + 13 + 8 + 12 = 51 books b. 11 − 7 = 4 books c. 13 + 8 = 21 books d. Wednesday e. Ordered: 7; 8; 11; 12; 13 → median = 11	**5**	*1 mark each.*
QUESTION 10 · Transformations and views · 5 marks			
10.1	A = translation; B = reflection; C = rotation	**2**	*2 marks if all three are correct; 1 mark if two are correct.*
10.2	B = top view; C = front view; D = side view	**3**	*1 mark each.*

Total **55 marks**



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