Mathematics · Grade 6

Memorandum · Term 1–4

TOTAL
42
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 · 3 marks			
1.1	a. 1 280	**1**	*The rule is × 4.*
1.2	a. 45	**1**	
1.3	b. 13	**1**	
QUESTION 2 · Matching · 4 marks			
2.1	1 = D (rule); 2 = C (input); 3 = A (output); 4 = E (term)	**4**	*1 mark each.*
QUESTION 3 · Patterns and number sentences · 8 marks			
3.1	121 ; 364. The rule is × 3 + 1.	**2**	*1 mark for the two numbers, 1 mark for the rule. Also accept: the difference is multiplied by 3 each time.*
3.2	49 + 11 = 60; 60 ÷ 6 = 10	**2**	*1 mark per step.*
3.3	a. Yes: 3 × 4 − 1 = 11, which matches the table. b. 25 × 4 − 1 = 99	**2**	*1 mark each.*
3.4	5 + 3 = 8 parts; 960 ÷ 8 = 120; 5 × 120 = R600 and 3 × 120 = R360	**2**	*1 mark for the parts, 1 mark for both amounts.*
QUESTION 4 · Numeric patterns · 4 marks			
4.1	95 ; 191. The rule is × 2 + 1.	**2**	*1 mark per step.*

Question	Answer	Marks	Marking note
4.2	+ 9 (add 9 each time)	**2**	*1 mark per step. Also accept term number × 9 − 2.*
QUESTION 5 · Input and output · 6 marks			
5.1	4 → 19; 9 → 34; 15 → 52; 20 → 67	**4**	*1 mark per block.*
5.2	43 − 7 = 36; 36 ÷ 3 = 12	**2**	*1 mark per step.*
QUESTION 6 · Number sentences · 4 marks			
6.1	a. 12 b. 10 c. 16 d. 10	**4**	*1 mark each.*
QUESTION 7 · Geometric patterns · 5 marks			
7.1	7 blocks in a row.	**1**	
7.2	9 blocks. The pattern adds 2 blocks each time, so 7 + 2 = 9.	**2**	*1 mark per step.*
7.3	Add 2 each time (or: term number × 2 − 1).	**2**	*1 mark per step.*
QUESTION 8 · Describe the rule · 5 marks			
8.1	26 ; 31. The rule: add 5 each time.	**3**	*1 mark per number, 1 for the rule.*
8.2	6 + 19 × 5 = 6 + 95 = 101	**2**	*1 mark for the method, 1 for the answer.*
QUESTION 9 · Equivalent number sentences · 3 marks			
9.1	b. (25 × 20) + (25 × 7)	**1**	
9.2	For example (20 × 6) − (2 × 6) = 120 − 12 = 108, or (18 × 3) × 2 = 54 × 2 = 108. It is easier because you work with round numbers.	**2**	*1 mark for a correct sentence, 1 for the explanation.*

Total **42 marks**



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