Mathematics · Grade 5

Memorandum · Term 1–4

TOTAL
41
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	b. 79	**1**	*The rule is × 2 + 1.*
1.2	c. 60	**1**	
1.3	a. Subtract 9	**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 · 9 marks			
3.1	41 ; 122. The rule is × 3 − 1.	**2**	*1 mark for the two numbers, 1 mark for the rule.*
3.2	4 → 9; 10 → 21	**2**	*1 mark each. The rule is × 2 + 1 (two more matchsticks each time).*
3.3	31 + 9 = 40; 40 ÷ 4 = 10	**2**	*1 mark per step. Accept trial and improvement with a check.*
3.4	Input 9 → output 35. Output 39 → input 10. Input 7 → output 7 × 4 − 1 = 27.	**3**	*1 mark per value.*

Question	Answer	Marks	Marking note
QUESTION 4 · Number sentences and number patterns · 5 marks			
4.1	48 ; 96. The rule is multiply by 2 (double).	**2**	*1 mark for the two numbers, 1 mark for the rule.*
4.2	26	**1**	*1 mark.*
4.3	a. 4 × 9 − 7 = 36 − 7 = 29, so she is right. b. □ × 9 − 7 = △	**2**	*1 mark each. Accept 9 × □ − 7 = △ for b.*
QUESTION 5 · Input and output · 6 marks			
5.1	2 → 5; 5 → 17; 8 → 29; 12 → 45	**4**	*1 mark per block.*
5.2	37 + 3 = 40; 40 ÷ 4 = 10	**2**	*1 mark per step.*
QUESTION 6 · Number sentences · 4 marks			
6.1	a. 262 b. 325 c. 12 d. 12	**4**	*1 mark each.*
QUESTION 7 · Geometric patterns · 5 marks			
7.1	11 blocks in a row.	**2**	*1 mark for 11 blocks, 1 mark for a neat row.*
7.2	14 blocks.	**1**	
7.3	Add 3 blocks each time.	**2**	*2 marks for a complete rule (add 3 blocks each time); 1 mark if it is incomplete.*
QUESTION 8 · Describe the rule · 5 marks			
8.1	23 ; 28. The rule: add 5 each time.	**3**	*1 mark per number, 1 for the rule.*
8.2	3 + 9 × 5 = 3 + 45 = 48	**2**	*1 mark for the method, 1 for the answer.*

Total **41 marks**



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