Mathematics · Grade 4

Memorandum · Term 1–4

TOTAL
38
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. 30	**1**	*The pattern adds 6.*
1.2	b. 25	**1**	
1.3	c. Add 4	**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 · 7 marks			
3.1	21 ; 27. The rule is + 6.	**2**	*1 mark for the two numbers, 1 for the rule.*
3.2	7 blocks in a row (the pattern adds 2 blocks each term).	**2**	*1 mark for 7 blocks, 1 for a neat drawing in a row.*
3.3	85 + 46 = 131	**1**	*Accept 131 without working.*
3.4	Input 9 → output 35. Output 39 → input 10.	**2**	*1 mark each.*
QUESTION 4 · Numeric patterns · 3 marks			
4.1	28 ; 35	**2**	*1 mark for each number.*
4.2	Add 7 each time.	**1**	*1 mark.*

Question	Answer	Marks	Marking note
QUESTION 5 · Input and output · 6 marks			
5.1	1 → 5; 2 → 8; 4 → 14; 10 → 32	**4**	*1 mark per correct block.*
5.2	23 − 2 = 21; 21 ÷ 3 = 7	**2**	*1 mark per step.*
QUESTION 6 · Number sentences · 6 marks			
6.1	a. 28 b. 23 c. 8 d. 36	**4**	*1 mark each.*
6.2	35 + 17 = 52 (or 52 − 35 = 17); she got 17 marbles	**2**	*1 mark for the number sentence, 1 for the answer.*
QUESTION 7 · Geometric pattern · 4 marks			
7.1	11 blocks in a row.	**2**	*1 mark for 11 blocks, 1 for a neat drawing in a row.*
7.2	14 blocks — the pattern adds 3 blocks each time.	**2**	*1 mark for 14 blocks, 1 mark for the explanation.*
QUESTION 8 · Describe the rule · 5 marks			
8.1	32 ; 64. The rule: multiply by 2 each time (or double).	**3**	*1 mark per number, 1 mark for the rule.*
8.2	No. The pattern adds 2 each time (odd numbers), so the next number is 9.	**2**	*1 mark for no, 1 for the explanation.*

Total **38 marks**



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