Mathematics · Grade 6

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	c. A bar graph	**1**	
1.2	a. mode	**1**	
1.3	b. median	**1**	
QUESTION 2 · Matching · 4 marks			
2.1	1 = C (mode); 2 = A (median); 3 = E (frequency); 4 = B (probability)	**4**	*1 mark each.*
QUESTION 3 · Pie chart · 6 marks			
3.1	a. they walk b. 50% of 200 = 100 c. 25% of 200 = 50 d. 15% of 200 = 30 e. 10% = 1/10 f. e.g. "Half of the learners walk; the fewest come by car."	**6**	*1 mark each. Accept any correct summary for f.*
QUESTION 4 · Comparing two graphs · 5 marks			
4.1	a. week 1: 37; week 2: 51 b. Tuesday and Thursday c. Wednesday (4 → 13, + 9) d. about 51	**5**	*a. 2 marks (1 per week); b, c and d 1 mark each. For d accept 45–55 with a reason.*
QUESTION 5 · Probability experiments · 8 marks			
5.1	a. 1, 2, 3, 4, 5, 6 b. 5 c. 6 + 3 + 5 = 14	**3**	*1 mark each.*

Question	Answer	Marks	Marking note
5.2	Each roll happens by chance, so the results vary (1). With many more rolls the numbers would come up about equally often (1).	**2**	*1 mark each.*
5.3	a. 50 − 27 = 23 b. heads, by 4	**2**	*1 mark each.*
5.4	3	**1**	
QUESTION 6 · Mode and median · 6 marks			
6.1	4 ; 7 ; 7 ; 7 ; 9 ; 11 ; 12 ; 14 ; 19	**1**	
6.2	7 (it occurs 3 times)	**1**	
6.3	9. It is the 5th number of 9 when they are in order.	**2**	*1 mark for the answer, 1 for the explanation.*
6.4	12; 19; 11 and 14 are more than 10 — so 4 learners.	**2**	*1 mark for the number, 1 mark for the counting.*
QUESTION 7 · Tally table and pictograph · 9 marks			
7.1	Monday 14; Tuesday 9; Wednesday 17; Thursday 12	**4**	*1 mark per day.*
7.2	14 + 9 + 17 + 12 = 52 books; Wednesday	**2**	*1 mark each.*
7.3	Grade 4 28; Grade 5 20; Grade 6 32	**3**	*1 mark per grade.*

Total **41 marks**



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