Mathematics · Grade 6

Memorandum · Term 1–4

TOTAL
67
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 · True or false · 6 marks			
1.1	1. False 2. True 3. True 4. False 5. True 6. False	**6**	*1 mark each.*
QUESTION 2 · Short questions · 5 marks			
2.1	9 741	**1**	
2.2	Thousands (also accept 6 000)	**1**	
2.3	830	**1**	
2.4	3 and 4	**1**	*4 × 3 = 12 and 4 × 4 = 16 are less than 17; 4 × 5 = 20 is not. 1 mark only if both are given and 5 is not.*
2.5	75%	**1**	
QUESTION 3 · Rounding and expanded notation · 4 marks			
3.1	27 000	**1**	
3.2	27 485	**1**	
3.3	60 000 + 400 + 3	**2**	*2 marks if fully correct; 1 if two of the three parts are correct.*
QUESTION 4 · Multiples and factors · 6 marks			
4.1	1, 2, 3, 4, 6, 8, 12, 24	**2**	*2 marks if all are correct; 1 if at least half are correct.*

Question	Answer	Marks	Marking note
4.2	6, 12, 18, 24, 30	**2**	*2 marks if all are correct; 1 if at least half are correct.*
4.3	12	**1**	
4.4	9	**1**	
QUESTION 5 · Multiply and divide · 6 marks			
5.1	346 × 7 = 2 422; 346 × 20 = 6 920; total = 9 342	**3**	*1 mark per step.*
5.2	5 184 ÷ 24 = 216	**3**	*1 mark per step.*
QUESTION 6 · Fractions, decimals and percentages · 10 marks			
6.1	1 + 2 = 3; 2/3 = 4/6; 4/6 + 5/6 = 9/6 = 1 3/6; 4 3/6 = $4\frac{1}{2}$	**2**	*1 mark for 4/6 and 3, 1 for the answer (accept 3 9/6, 4 3/6 or $4\frac{1}{2}$).*
6.2	7/8 − 2/8 = 5/8	**2**	*1 mark per step.*
6.3	45/100 = 9/20	**2**	*1 mark per step.*
6.4	16,45	**2**	*1 mark per step.*
6.5	R96	**2**	*1 mark per step.*
QUESTION 7 · Numeric patterns · 4 marks			
7.1	95 ; 191. The rule is × 2 + 1.	**2**	*1 mark per step.*
7.2	+ 5 (add 5 each time)	**2**	*1 mark per step.*
QUESTION 8 · Ratio and rate · 6 marks			
8.1	3 : 5	**1**	
8.2	2 + 5 = 7 parts; 840 ÷ 7 = 120; R240 and R600	**3**	*1 mark per step.*
8.3	12 ÷ 3 = 4 biscuits per cup; 20 ÷ 4 = 5 cups	**2**	*1 mark per step.*
QUESTION 9 · Problem solving · 3 marks			
9.1	85,50 + 24,75 = R110,25; 200 − 110,25 = R89,75	**3**	*1 mark per step.*
QUESTION 10 · Probability · 8 marks			
10.1	Total = 4 + 3 + 5 = 12. a. 4/12 = 1/3 b. 3/12 = 1/4 c. 5/12	**3**	*1 mark each.*
10.2	Green — there are 5 greens, more than any other colour.	**2**	*1 mark for the colour, 1 for the reason.*

Question	Answer	Marks	Marking note
10.3	0 (impossible) — there are no yellow marbles in the bag.	**2**	*1 mark for 0, 1 for the explanation.*
10.4	1/6	**1**	
QUESTION 11 · Financial mathematics · 9 marks			
11.1	3 × R1 200 = R3 600; R4 200 − R3 600 = R600 profit	**3**	*1 mark for the cost R3 600, 1 for the subtraction, 1 for the answer R600.*
11.2	400 × 15 ÷ 100 = R60 discount; 400 − 60 = R340	**3**	*2 marks for the discount, 1 for the price.*
11.3	850 + 640 = R1 490; 2 000 − 1 490 = R510	**3**	*1 mark for the amount spent, 1 for the subtraction, 1 for the answer R510.*

Total **67 marks**



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