Mathematics · Grade 4

Memorandum · Term 1–4

TOTAL
90
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 · 6 marks			
1.1	b. Tens	**1**	
1.2	c. 4 275	**1**	
1.3	a. 624	**1**	
1.4	b. 100	**1**	
1.5	c. 30	**1**	
1.6	a. A circle	**1**	
QUESTION 2 · Counting, ordering and rounding · 8 marks			
2.1	3 450; 3 500; 3 550	**2**	*1 mark for two correct, 2 for all three.*
2.2	a. 4 275 > 1 846 b. 1 846 < 4 275	**2**	*1 mark each.*
2.3	4 000 + 200 + 70 + 5	**2**	*1 mark for the thousands, 1 for the rest.*
2.4	a. 4 280 b. 4 000	**2**	*1 mark each.*
QUESTION 3 · Adding and subtracting · 8 marks			
3.1	6 121	**3**	*2 marks for the method, 1 for the answer.*

Question	Answer	Marks	Marking note
3.2	2 429; check: 2 429 + 1 846 = 4 275	**3**	*2 marks for the answer, 1 for the check.*
3.3	a. 475 b. 283	**2**	*1 mark each.*
QUESTION 4 · Multiplying and dividing · 9 marks			
4.1	34 × 10 = 340; 34 × 2 = 68; together = 408	**3**	*2 marks for the method, 1 for the answer.*
4.2	146 remainder 3 (check: 4 × 146 + 3 = 587)	**3**	*1 mark for the method, 1 for 146, 1 for the remainder 3.*
4.3	a. 3 × R238 = R714 b. R1 000 − R714 = R286	**3**	*2 marks for the cost, 1 for the change.*
QUESTION 5 · Multiples, factors and ratio · 6 marks			
5.1	7; 14; 21; 28; 35; 42	**2**	*2 marks if all are correct; 1 if four are correct.*
5.2	1; 2; 3; 4; 6; 9; 12; 18; 36	**2**	*2 marks if all are correct; 1 if half are correct.*
5.3	48 ÷ 8 = 6; red: 3 × 6 = 18; blue: 5 × 6 = 30	**2**	*1 mark for the parts, 1 for the answer.*
QUESTION 6 · Fractions · 8 marks			
6.1	$\frac{1}{6}$; $\frac{1}{3}$; $\frac{1}{2}$; $\frac{2}{3}$	**2**	*2 marks if all four are correct; 1 if two are correct.*
6.2	36 ÷ 4 = 9	**2**	*1 mark for the operation, 1 for the answer.*
6.3	$\frac{3}{4} + \frac{1}{4}$ = 4/4 = 1 (accept 4/4 or 1)	**2**	*1 mark for the numerators, 1 for the answer.*
6.4	4 ÷ 6 = 4/6 of a loaf (also accept 2/3 or any equivalent fraction)	**2**	*1 mark for the division, 1 for the fraction.*
QUESTION 7 · Patterns · 9 marks			
7.1	a. 13 b. 19 c. Add 3 matchsticks each time (one more square).	**3**	*1 mark each.*
7.2	1 → 5; 3 → 13; 5 → 21; 8 → 33	**4**	*1 mark per block.*
7.3	a. 8 b. 35	**2**	*1 mark each.*
QUESTION 8 · Space and Shape · 13 marks			
8.1	Square 4; Hexagon 6; Triangle 3; Pentagon 5	**4**	*1 mark each.*

Question	Answer	Marks	Marking note
8.2	Rectangular prism 6; Cone 1; Sphere 0	**3**	*1 mark each.*
8.3	a. 2 b. 2	**2**	*1 mark each.*
8.4	A and C (1); the shapes fit together with no gaps and no overlaps, but B has gaps between the circles (1).	**2**	*1 mark for the two letters, 1 for the reason.*
8.5	C4	**2**	*1 mark for the letter, 1 for the number.*
QUESTION 9 · Measurement · 14 marks			
9.1	a. 1 400 g b. 2 000 g − 1 400 g = 600 g	**3**	*a. 1 mark. b. 1 for the working, 1 for the answer.*
9.2	a. 280 cm b. 3 250 g c. 2 500 mℓ	**3**	*1 mark each.*
9.3	a. 15 + 6 + 15 + 6 = 42 m b. 10 square units	**4**	*a. 1 for the working, 1 for the answer with its unit. b. 1 for counting, 1 for the answer.*
9.4	a. 3 000 mℓ b. 3 000 − 450 = 2 550 mℓ (also accept 2 ℓ 550 mℓ)	**4**	*2 marks each.*
QUESTION 10 · Data Handling · 9 marks			
10.1	a. They walk b. $\frac{1}{4}$ c. 12 d. 3	**4**	*1 mark each.*
10.2	a. 1 ; 2 ; 3 ; 4 ; 5 ; 6 b. Six c. No — every number has the same chance.	**3**	*1 mark each.*
10.3	Heads 12, Tails 8 (tallies in bundles of 5).	**2**	*1 mark per correct row — the tally and the total must agree.*

Total **90 marks**



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