GAUTENG PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

PROVINCIAL EXAMINATION

JUNE 2022

GRADE 6

MARKING GUIDELINES

MATHEMATICS

5 pages

General marking note:

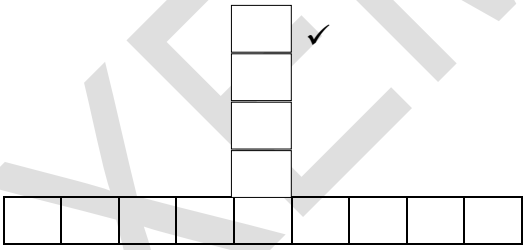
1. **Give full marks for answers only, unless otherwise stated.**

2. **Accept any alternative correct solution that is not included in the memorandum.**

3. **CA refers to consistent accuracy. See clarification in Question 2.3.**

QUESTION		EXPECTED ANSWER	CLARIFICATION	MARK	TOTAL
1.	1.1	A		1	
	1.2	B		1	
	1.3	D		1	
	1.4	C		1	
	1.5	A		1	
	1.6	A		1	
	1.7	B		1	
	1.8	C		1	
	1.9	D		1	
	1.10	C		1	
	1.11	D		1	
	1.12	A		1	
	1.13	B		1	
	1.14	C		1	
	1.15	B		1	**[15]**

2.	2.1	2 6 7 9 0 0 + 3 4 9 8 7 3 0 2 8 8 7 ✓ ✓	Correct answer: 2 marks 302: 1 mark 887: 1 mark Accept any other alternative correct method.	2	
	2.2	9 8 7 0 0 0 − 5 6 9 8 7 9 3 0 0 1 3 ✓ ✓	Correct answer: 2 marks 930: 1 mark 013: 1 mark Accept any other alternative correct method.	2	
	2.3	4 5 7 6 × 5 6 9 4 1 1 8 4✓ 2 7 4 5 6 0 + 2 2 8 8 0 0 0✓ 2 6 0 3 7 4 4✓ Example of CA: 4 5 7 6 × 5 6 9 4 1 4 6 4 x 2 7 4 5 6 0 + 2 2 8 8 0 0 0✓ 2 6 0 4 0 2 4✓	Correct answer: 3 marks 41 184: 1 mark 2 288 000: 1 mark Correctly adding steps: 1 mark Accept any other alternative correct method including Napier's Bones method. Apply CA	3	
	2.4	✓✓ ✓ 2 3 rem 102 276 ⟌6 4 5 0 − 2 7 6 0 (10) 3 6 9 0 − 2 7 6 0 (10) 0 9 3 0 - 5 5 2 (2) 3 7 8 - 2 7 6 (1) 1 0 2 remainder	Correct answer 3 marks 2: 1 mark 3: 1 mark Rem 102: 1 mark Apply CA Accept any other alternative correct method.	3	

	2.5	= 10 000 ÷ 20 – 25 x 20 = = 500 - 25 x 20 = 500 - 500 = 0 ✓✓	Correct answer: 2 marks Calculating using BODMAS: 1 mark Correct answer: 1 mark Apply CA	2	**[12]**
3.	3.1	3 + 2 = 5 $\frac{1}{3} + \frac{2}{3} = \frac{3}{3}$ or 1 ✓ $5 + \frac{3}{3} = 6$ or $5\frac{3}{3}$ ✓	Correct answer: 2 marks. Adding fractions: 1 mark Adding fraction answer to 5: 1 mark Accept any alternative method.	2	
	3.2	5 , 0 8 – 4 , 1 2 0 , 9 6 ✓ ✓	Correct answer: 2 marks 0, : 1 mark 96: 1 mark Accept any alternative method.	2	**[4]**
4.	4.1	 ✓	Correct drawing with 13 small squares: 1 mark Do not penalise the learner for not using a ruler or not drawing the blocks with equal sides.	1	
	4.2	Keep adding one on each side. ✓	Correct description: 1 mark Alternative answers that are also correct should be considered.	1	
	4.3	Diagram 11 ✓	Correct description: 1 mark 11: 1 mark	1	**[3]**

5.	R 1 5, 0 0 R 2 2, 5 0 + R 1 0, 2 5 R 4 7, 7 5 ✓ R 5 0, 0 0 − R 4 7, 7 5 R 2, 2 5 ✓	Correct answer: 2 marks Find total of items purchased: 1 mark Subtracting found total from R50,00: 1 mark Apply CA Accept any alternative method.		**[2]**
6.	$\frac{1}{2}$ of R 3000 = R1 500 (Spend on a fridge) $\frac{3}{4}$ is 3 x R3000 = R9 000 (Spend on furniture) $\frac{4}{4}$ is the total savings 4 x R3000 = R12 000 (Original savings) **OR** After spending $\frac{3}{4}$ of her savings, she was left with $\frac{1}{4}$. A half of $\frac{1}{4}$ is $\frac{1}{8}$ If one eight is R1 500 then the full amount would have been R1 500 × 8 = R12 000	Correct answer:2 marks *Note: Always try to work backwards when solving non-routine problems.* Any alternative methods leading to the correct answer: 1 mark Correct answer: 1 mark		**[2]**
7.	Team A plays against B,C,D and E = 4 games Team B plays against C,D and E (Already played against A) = 3 games Team C plays against D and E (Already played against A and B) = 2 games Team D plays against E (Already played against A,B and C) = 1 game Team E has already played all the teams. Total = 4 + 3 + 2 + 1 ✓ = 10 games ✓	Correct answer: 2 marks Attempt to find a valid pattern or sequence, draw, or map out the answer : 1 mark. Accept any alternative method.		**[2]**
			TOTAL:	**40**