education

Department:
Education
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

PROVINCIAL ASSESSMENT

GRADE 6

MATHEMATICS
MARKING GUIDELINES
NOVEMBER 2024

MARKS: 60

These marking guidelines consist of 5 pages.

GENERAL MARKING NOTES
Give full marks for answers only, unless stated otherwise.
Accept any alternative, correct solutions that are not included in the marking guideline.

QUESTION	Number	Expected Answer	Clarification	Mark Allocation	Cognitive Level
QUESTION 1	1.1	D ✓	1 mark for correct answer	(1)	K
	1.2	B ✓	1 mark for correct answer	(1)	RP
	1.3	B ✓	1 mark for correct answer	(1)	RP
	1.4	B ✓	1 mark for correct answer	(1)	RP
	1.5	A ✓	1 mark for correct answer	(1)	CP
	1.6	D ✓	1 mark for correct answer	(1)	RP
	1.7	A ✓	1 mark for correct answer	(1)	K
	1.8	C ✓	1 mark for correct answer	(1)	K
	1.9	B ✓	1 mark for correct answer	(1)	K
	1.10	C ✓	1 mark for correct answer	(1)	CP
		Total Marks for Question 1		**[10]**	
QUESTION 2	2.1	9 000 000 ✓	1 mark for correct answer	(1)	RP
	2.2	3 ✓	1 mark for correct answer	(1)	K
	2.3	0,125 ✓	1 mark for correct answer	(1)	RP
	2.4	1✓	1 mark for correct answer	(1)	RP
		Total Marks for Question 2		**[4]**	
QUESTION 3	3.1	585 584 – 45 759 = 585 584✓ - 45 759 = 539 825✓	1 mark for the correct place values 1 mark for correct answer	(2)	RP

	3.2	7 634 x 345 = 7 634 × 345 38 170 305 560✓ + 2 290 200✓ = 2 633 730✓	2 marks for the correct multiplication steps. 1 mark for the correct answer	(3)	RP
	3.3	61 remainder 20✓ 112 | 6852✓ - 672↓ 132✓ -112 20 remainder	2 marks for the correct division steps. 1 Mark for the correct answer (*Accept any method. if the answer is correct award full marks)*	(3)	RP
	3.4	$5\frac{2}{8}+4\frac{3}{16}$ =(5+4) $(\frac{2\text{ x }2}{8\text{ x }2})+\frac{3}{16}$✓ = 9 +$(\frac{4}{16}+\frac{3}{16})$ ✓ = 9 +$\frac{7}{16}$ = 9$\frac{7}{16}$✓ $5\frac{2}{8}+4\frac{3}{16}$ =$\frac{42}{8}+\frac{67}{16}$ =$(\frac{42\text{ x }2}{8\text{ x }2})+\frac{67}{16}$✓ = $\frac{84}{16}+\frac{67}{16}$✓ = $\frac{151}{16}$ = 9 $\frac{7}{16}$✓ ***Any correct method is allowed.***	1 mark for denominator (LCM) 1 mark for adding 1 mark for the final answer	(3)	RP
	3.5	56, 63 + 17, 03 = 56, 63 + 17, 03✓ =73 ,66✓	1 mark for the correct place values 1 mark for correct answer	(2)	RP
	3.6	15 + (30 x 6 – 3) = 15 + 180 – 3 ✓ = 192 ✓	1 mark for applying BODMAS rule 1 mark for correct answer	(2)	RP
		Total Marks for Question 3		**[15]**	

QUESTION 4

4.1.1	Stage Number	1	2	3		5		10✓	1 mark for each correct answer.	(2)	CP
	Number of circles	1	5	9		17✓		37			
4.1.2.	$4n-3$ ✓✓								4n✓ :1 mark. -3✓ : 1 mark	(2)	CP
4.2	7,1✓								1 mark for correct answer	(1)	RP
	Total Marks for Question 4									**[5]**	

<table>
<tr><td colspan="8"></td></tr>
<tr><td rowspan="9">QUESTION 5</td><td>5.1</td><td>Properties of 2D shapes</td><td>Parallelogram</td><td>Rectangle</td><td>1 mark for each correct answer.</td><td>(4)</td><td>K</td></tr>
<tr><td rowspan="3">Names Angles</td><td>Two opposite angles of a parallelogram are equal. ✓</td><td>All four angles of a rectangle are right angles. ✓</td><td rowspan="7"></td><td rowspan="7"></td><td rowspan="7"></td></tr>
<tr><td>A parallelogram has two acute angles and two obtuse angles. ✓</td><td></td></tr>
<tr><td colspan="2">Any of the two</td></tr>
<tr><td rowspan="3">Lengths Side</td><td>Opposite sides of a parallelogram are equal. ✓</td><td>Opposite sides of a rectangle are equal. ✓</td></tr>
<tr><td>Opposite sides of a parallelogram are parallel✓</td><td>Opposite sides of a rectangle are parallel. ✓</td></tr>
<tr><td colspan="2">Any of the two</td></tr>
<tr><td>5.2</td><td colspan="2">Name</td><td>Number of faces</td><td>Number of edges</td><td>1 mark for each correct answer</td><td>(3)</td><td>K</td></tr>
<tr><td></td><td colspan="2">Triangular Prism ✓</td><td>5✓</td><td>9✓</td><td></td><td></td><td></td></tr>
<tr><td></td><td>5.3</td><td colspan="3">One line of symmetry✓</td><td>1 mark for correct answer.</td><td>(1)</td><td>K</td></tr>
<tr><td></td><td>5.4</td><td colspan="3">Rotation✓</td><td>1 mark for correct answer.</td><td>(1)</td><td>K</td></tr>
<tr><td></td><td></td><td colspan="4">Total Marks for Question 5</td><td>[9]</td><td></td></tr>
<tr><td colspan="8"></td></tr>
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QUESTION 6	6.1	$\frac{2}{12} \times \frac{36}{1}$ ✓ $=\frac{72}{12}$ = 6✓ 6 cups will needed.	2:6✓ 6:36 ✓	1 mark for the method 1 mark for the answer	(2)	CP
	6.2	$\frac{1}{12} \times \frac{800\ g}{1}$ =200 *g* ✓ 800g – 200 *g* = *600g*✓ 600g of the cereal is left in the box.		1 mark for method 1 mark for correct answer	(2)	CP
	6.3	L = 15m + 2m +2m = 19m ✓ W = 8m + 2m + 2m = 12m ✓ P = 2(L+W) = 2 (19 + 12) = 62m ✓		1 mark for each correct answer	(3)	PS
	6.4.1	6 cm ✓		1 mark for correct answer	(1)	RP
	6.4.2	4 cm ✓		1 mark for correct answer	(1)	RP
	6.4.3	24 cm^2 ✓		1 mark for correct answer	(1)	K
		Total Marks for Question 6			**[10]**	
QUESTION 7	7.1.1	16 *m* = 16000*mm* ✓		1 mark for the correct answer	(1)	RP
	7.1.2	8.25 kl = 8250 l ✓		1 mark for the correct answer	(1)	RP
	7.2.1	3 hours		1 mark for the correct answer	(1)	CP
	7.2.2	4:15 am		1 mark for the correct answer	(1)	CP
		Total Marks for Question 7			**[4]**	
QUESTION 8	8.1	ANC		1 mark for the correct answer	()	K
	8.2	45.6% - 21.7 % = 23.9%		1 mark for the correct answer	(1)	RP
	8.3	2,3%		1 mark for the correct answer	(1)	K
		Total Marks for Question 8			**[3]**	
		GRAND TOTAL = 60				