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education

Department:
Education
North West Provincial Government
REPUBLIC OF SOUTH AFRICA

PROVINCIAL ASSESSMENT

GRADE 10

MATHEMATICAL LITERACY P2
JUNE 2024
MARKING GUIDELINES

MARKS: 50

Symbol	Explanation
M	Method
MA	Method with accuracy
MCA	Method with consistent accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT	Reading from a table/a graph/document/diagram
SF	Correct substitution in a formula
O	Opinion/Explanation/Reasoning
P	Penalty, e.g. for no units, incorrect rounding off, etc.
R	Rounding off
NPR	No penalty for correct rounding
AO	Answer only

This marking guidelines consists of 5 pages.

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NOTE:

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error.
- NOTE: consistent accuracy (CA) does not apply in cases of a breakdown.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalize for every extra item presented.
- As a general marking principle, if a candidate has incurred one mistake and there is evidence of sound mathematics thereafter, then that candidate should lose one mark only.
- Rounding is an independent mark.
- In opinion type questions marks will only be awarded if relevant calculations are shown.

QUESTION 1 [10 MARKS] Answer only AO – full marks			
Q	**Solution**	**Explanation**	**T & L**
1.1.1	C✓ ✓	2A answer (2)	M L1
1.1.2	B✓ ✓	2A answer (2)	M L1
1.2.1	Distance = (1 500 ÷ 1 000)km✓ = 1,5km✓	1M dividing by 1 000 1A answer (2)	M L1
1.2.2	2024 - 2008 ✓ = 16 years✓	1MA subtracting correct years 1A correct age (2)	M L1
1.3	Bar scale ✓ ✓ OR Line scale ✓ ✓	2A correct name of scale (2)	MP L1
		[10]	

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QUESTION 1 [14 MARKS]			
Q	**Solution**	**Explanation**	**T & L**
2.1.1	Layout is a plan showing arrangement and design of a building. ✓ ✓	2A answer (2)	MP L1
2.1.2	On the left side of Game store.✓ ✓	2A answer (2)	MP L2
2.1.3.	Turn left from shop number 63 into the passage towards Game court✓ , then continue straight into the circle✓ , then turn right at shop number 32 or 27✓ until you pass between shop no 29 and 31✓ to enter into Ster Kinekor.	1A turn left 1A towards Game court 1A turn right at shop number 32 or 27 1A pass between 29 and 31 (4)	MP L2
2.1.4	For enquiries.✓ ✓ OR To connect/give guidance to customers to any store or department in the mall.✓ ✓	2A reason (2) ***NB: Accept other reasonable responses***	MP L4
2.2.1(a)	C ✓ OR cheese✓	1A answer (1)	P L3
2.2.1(b)	B;C✓ OR brown bread with cheese✓	1A answer (1)	P L3
2.2.2	$P = \frac{1}{4} \times 100$✓ $= 25\%$✓	1MA multiplying correct fraction by 100 1A answer (2)	P L2
		[14]	

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QUESTION 3 [14 MARKS]			
Q	**Solution**	**Explanation**	**T & L**
3.1.1	½ × 5ml ✓ = 2,5ml✓	1M method 1A answer (2)	 M L1
3.1.2	No. of cups = $\frac{12people}{8people}$ × 4cups✓ = 6cups✓ His statement is incorrect.✓ **OR** No. of people = $\frac{5\ cups}{4cups}$ × 8people✓ = 10 people✓ His statement is incorrect.✓	1MA multiplying correct values 1CA 1A Conclusion 1MA multiplying correct values 1CA number of people 1A Conclusion (3)	 M L4
3.1.3	400:✓ 200✓ 2:1✓	1RT reading both correct values 1A correct order 1A Simplification (3)	 M L2
3.2	Cost = R89,90/kg × 3,8kg✓ = R341,62✓ Claim is valid✓ OR Number of kilograms = $\frac{R350}{R89,90/kg}$ ✓ = 3,893….kg✓ Claim is valid✓	1 MA multiplying correct values 1CA simplification 1 Conclusion 1MA dividing correct values 1CA answer 1 Conclusion (3)	 F L4
3.3	Starting time = 12:55 – 15min – 1hour 40min✓ ✓ = 11:00✓ OR Prep time + cooking time = 15min + 1hour 40min✓ = 1hour 55min Starting time = 12:55 – 1hour 55min✓ = 11:00✓	2MA subtracting Both times. 1CA simplification 1MA adding times. 1M subtraction 1CA simplification (3)	 M L2
		[14]	

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QUESTION 4 [11 MARKS]			
Q	**Solutions**	**Explanation**	**T & L**
4.1.1	One unit on paper/diagram represents 9 units in real life.✓ ✓ OR The size of a t-shirt on paper is 9 times smaller than the real one.✓ ✓	2A explanation (2)	MP L1
4.1.2	Measured width = 4,5cm✓ Actual width = 4,5cm × 9✓ = 40.5cm✓ ≈41cm✓	1A 1MCA 1CA 1R (4) ***Accept the range 4.5cm-4.7cm***	MP L3
4.1.3	No. of years = 2024 -1966✓ = 58 years✓ Decades = 58 ÷ 10✓ = 5,8 ≈6 decades✓	1MA subtracting correct years 1S simplification 1M dividing by 10 1R rounding off correctly (4)	M L3
4.2	A juice that is diluted too much will taste awful.✓ ✓ OR Mixing a concentrate juice with less water will result in a very sweet juice.✓ ✓	(2)	M L4
		[12]	
		TOTAL: 50	

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