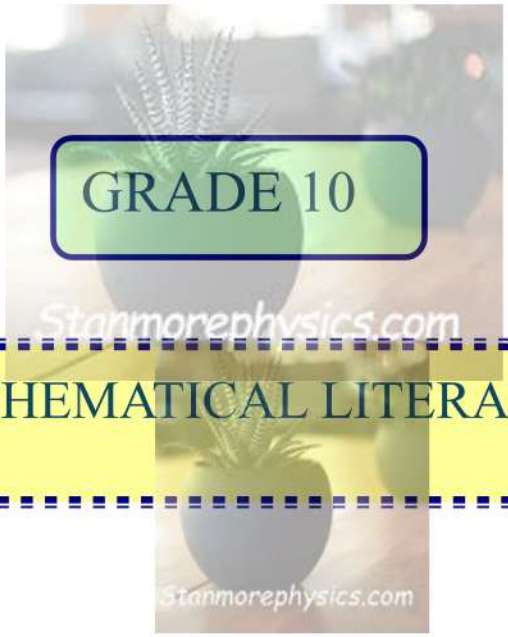
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

NATIONAL SENIOR CERTIFICATE



GRADE 10

MATHEMATICAL LITERACY P2

MARKS: 50

TIME: 1 hour

This question paper consists of 7 pages including cover page

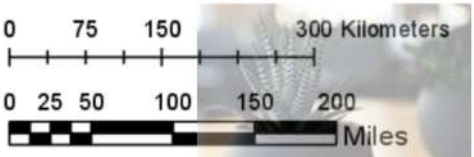
INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions.
2. An approved calculator (non-programmable and non-graphical) may be used.
3. Show all calculations clearly.
4. All the final answers must be rounded off according to the context, unless stated otherwise.
5. Units of measurement must be indicated where applicable.
6. Diagrams are not necessarily drawn to scale, unless stated otherwise.
7. Write neatly and legibly.

QUESTION1

1.1 Study the pictures labelled A–G below. Match each measuring instrument with the correct picture. Write only the letter (A–G) next to the question number.

Example: 1.1.8 D

1.1.1	Trundle wheel	A. 	
1.1.2	Rain gauge	B. 	
1.1.3	Odometer	C. 	
1.1.4	Bathroom scale	D. 	
1.1.5	Thermometer	E. 	
1.1.6	Bar scale	F. 	
		G. 	

(12)

1.2 Mukundi bought a clock watch for her mother as a birthday gift. It cost her R471,90. Her mother lives in Ha-Mashau and works in Thohoyandou. She travels by car when going to work. It takes her 45 minutes' drive to workplace. She is always late at work even though she departed home on time.

Below is a picture of a clock watch

Use the above diagram to answer the following questions:

1.2.1 Write down the amount of money Mukindi used to buy clock watch in words. (2)

1.2.2 Determine the time indicated on the clock watch. (2)

1.2.3 Mukundi's mother decided to come back home by the time indicated above, she says that she would be at home by 14:30.

Verify, showing all calculations whether the statement is correct or not. (4)

1.2.4 Give the reason why Mukundi's mother always late. (2)

[22]

QUESTION 2

2. A bakery supplies fresh bread and muffins to a local supermarket. The items are packed in different units of measurement:

- Bread loaves are sold in dozens.
- Muffins are sold in boxes of 24.

The bakery receives an order from the supermarket for:

- $5\frac{1}{2}$ dozen bread loaves
- 2 boxes of muffin

Use the information above to answer the questions that follow.

2.1 Calculate the bakery order into actual item counts for bread loaves and muffins (4)

2.2 If each loaf requires $\frac{1}{2}$ kg of flour and the flour costs R12 per kg, the baker claims that the total flour cost for bread order will be R396,00.

Verify through calculations whether his claim is correct or not. (4)

2.3 Calculate the amount of flour needed for three loaves of bread to grams (2)
[10]

QUESTION 3

The diagram below shows the netball court for Khwara Secondary School. The court has the following dimensions
Length = 30,5m
Width = 15,25m
Radius = 4,9m

Use the above information's to answer the following questions:

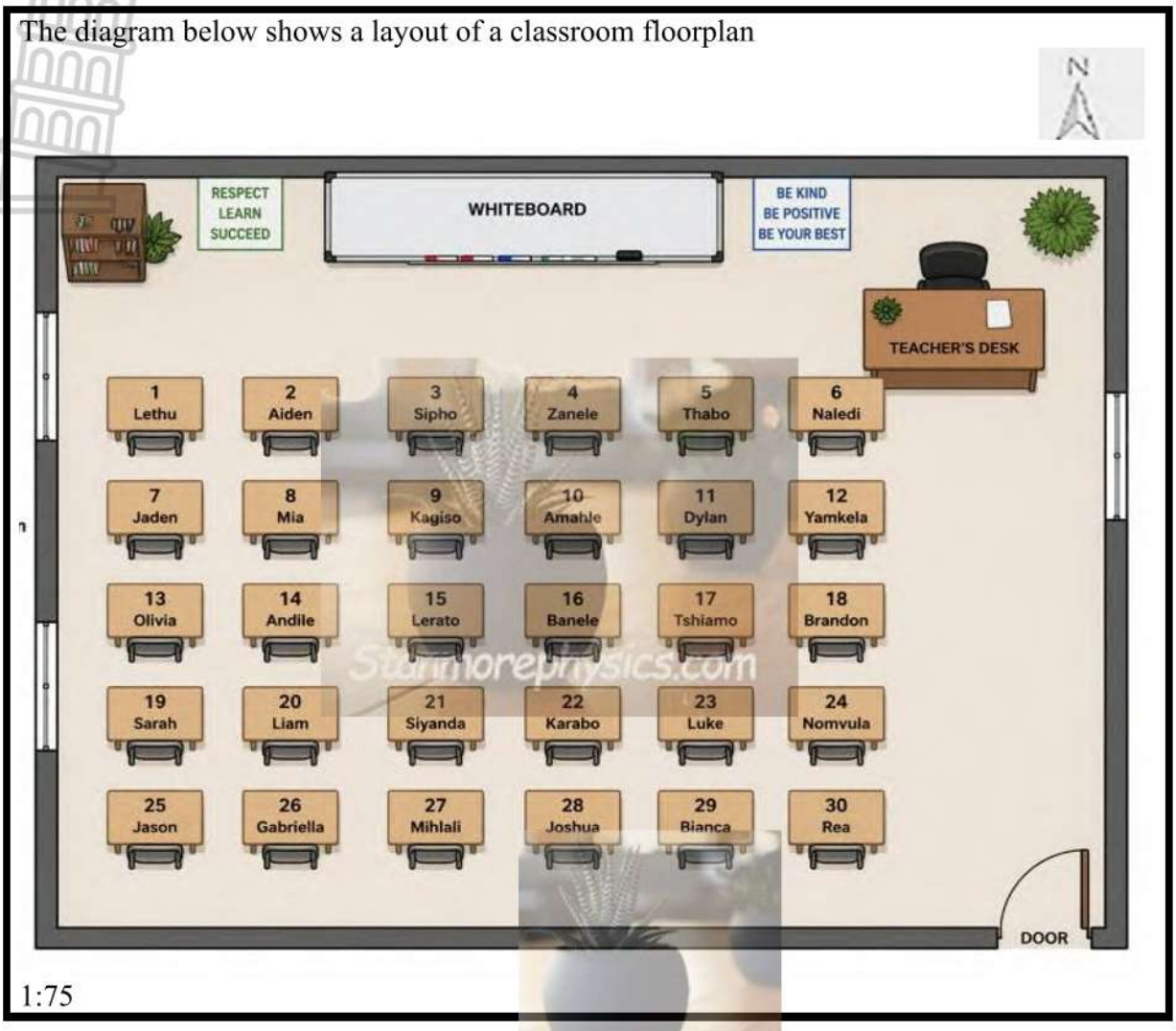
3.1 Define the concept "Floorplan" on the scenario. (2)

3.2 If a learner run from one goal post to the other, determine the distance run by the learner. (2)

3.3 Calculate the number of metres does the player run if he goes around the entire court twice. Round off your answer to nearest whole number. (4)
[8]

QUESTION 4

The diagram below shows a layout of a classroom floorplan



1:75

Use the diagram above to answer the questions below.

4.1 What does the scale 1:75 mean? (2)

4.2 Determine the general direction of Rea from Lethu. (2)

4.3 Name the person sitting on the right-hand side of Lerato. (2)

4.4 Use a ruler to measure the length of a classroom and calculate the actual length in metres. (4)

[10]

TOTAL MARKS: 50

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MATHEMATICAL LITERACY
MID YEAR EXAMINATION P2: MARKING GUIDELINE
TERM 2
MAY/JUNE 2026

MARKS 50

Symbol	Explanation
M	Method
MA	Method with Accuracy
CA	Consistent Accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG/RD	Reading from a table/ graph/diagram/map
SF	Correct substitution in a formula
O	Opinion
J	Justification/ Reason/ Deduction
P	Penalty, e.g. for no units, incorrect rounding off, etc
Re	Reason
Ro	Rounding

QUESTION 1 [22 MARKS]			
Q	SOLUTIONS	EXPLANATIONS	T & L
1.1.1	E ✓✓	2A for the correct answer	M L1
1.1.2	F ✓✓	2A for the correct answer	M L1
1.1.3	B ✓✓	2A for the correct answer	M L1
1.1.4	A ✓✓	2A for the correct answer	M L1
1.1.5	C ✓✓	2A for the correct answer	M L1
1.1.6	D ✓✓	2A for the correct answer	Maps L1
1.2			
1.2.1	Four hundred- and seventy-one-rand ninety cents✓✓	2A for correct wording	L2 M
1.2.2	Ten minutes to one	2A for the correct answer	
1.2.3	13:50 +✓ 45 ✓MA =14:35 ✓CA Her statement is incorrect ✓O	2MA for adding the correct minute 1CA for the answer 1 For Opinion (4)	M L3
1.2.4	Because of traffic congestion ✓✓	2 For reasoning (2)	M L2

	QUESTION 2 (10)		
2.1	Number of loaves = 5,5 × 12 ✓ = 66 ✓ Total number of muffins = 24 × 2 ✓ = 48✓	1 For multiplying by 12 1 Simplification 1 For multiplying by 2 1 Simplification (4)	M L2
2.2	1 Loaf = $\frac{1}{2}$ kg of flour 66 Loaves =? Number of kg = 66 ÷ 2 ✓ = 33kg ✓ 1kg of flour cost R12 = R12 × 33✓ = R396 ✓ The statement is correct✓	1 Dividing by 2 1 Simplification 1Multiplying by 33 1Correct Answer 1 For the opinion (4)	M L4
2.3	1 Loaf = $\frac{1}{2}$ kg of flour For 3 loaves = $\frac{3}{2}$ kg of flour = $\frac{3}{2}$ ×1000g ✓ = 1500g ✓	1Multiplying 3 by $\frac{1}{2}$ **1 Conversion** **1 Answer** **(2)**	
	QUESTION 3 [8 MARKS]		
3.1	A floor plan is a scaled diagram that shows the layout of a building or a specific space as viewed from above. ✓✓	2A For explanation (2)	M&P L1
3.2	30,5m ✓✓	2A Answer (2)	M&P L2
3.3	Number of metres = (30,5 +15,25) × 2✓✓ = 45,75 × 2✓ = 91.5m✓ = 92m ✓	1 Adding correct values 1 For multiplying by 2 1 simplification 1Rounding (4)	

	Question 4 (10)		
4.1	1 unit on the map represents 75 units on the actual ground ✓✓	2 For explanation (2)	
4.2	North West ✓✓	2 Answer (2)	
4.3	Banele ✓✓	2 Answer (2)	
4.4	Length of the classroom = 14,1cm✓ =14,1 × 75✓ =1 057,5cm =1 057,5÷ 100✓ = 10,575m✓	1A for the correct measurement 1Multipying by 75 1 For dividing by 100 1Answer (4)	

TAXONOMY LEVEL GRID ANALYSIS

QUESTION	TLI	TL2	TL3	TL4	TOTAL
1.1.1	2				
1.1.2	2				
1.1.3	2				
1.1.4	2				
1.1.5	2				
1.1.6	2				
					12
1.2.1	2				
1.2.2		2			
1.2.3		2			
1.2.4				4	**10**
2.1		4			
2.2				4	
2.3			2		
					10
3.1		2			
3.2		2			
3.3			4		
					8
4.1		2			
4.2	**2**				
4.3		**2**			
4.4			**4**		

					10
	16	16	10	8