



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

**PROVINCIAL STANDARDISED
ASSESSMENT**

GRADE 10

MATHEMATICAL LITERACY P2

JUNE 2026

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MARKS: 50

TIME: 1 hour

This question paper consists of 6 pages AND an addendum of 3 pages.

INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions. Answer ALL the questions.
2. Use the ANNEXURES in the ADDENDUM to answer the following questions:
 - ANNEXURE A for QUESTION 2.
 - ANNEXURE B for QUESTION 4.
3. Number the answers correctly according to the numbering system used in this question paper.
4. Start EACH question on a NEW page.
5. You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.
6. Show ALL calculations clearly.
7. Round off ALL final answers to two decimal places, unless stated otherwise.
8. Indicate units of measurement, where applicable.
9. Maps and diagrams are NOT necessarily drawn to scale, unless stated otherwise.
10. Write neatly and legibly.

QUESTION 1

- 1.1 TABLE 1 below gives definitions of terminology used in Mathematical Literacy.

A	Shows all possible outcomes of an event(s).
B	A diagram with three lines.
C	The instrument used to measure temperature.

Use TABLE 1 above and match the definitions terminology below. Write only the letter (A to C) next to the question number (1.1.1 to 1.1.2), e.g. 1.1.3 E.

1.1.1 Tree diagram. (2)

1.1.2 Thermometer. (2)

- 1.2 Mrs Ndlonzi requires the following ingredients to prepare the crust for her preferred steak and kidney pie intended for the bazaar.

INGREDIENTS FOR CRUST

- 230g butter
- 0,6 litres of boiling water
- 12 oz effervescent flour

Bake for 25 - 30 minutes until brown.

Note: 1 oz = 28,35 g

1 litre = 1 000 ml

[Adapted from source: www.Facebook.com/resepte]

Use the information above to answer the questions that follow.

1.2.1 Convert 12 oz effervescent flour to grams. (2)

1.2.2 Mrs Ndlonzi places the pie in the oven at 12:15 and allows it to bake for the minimum recommended duration. At what time should she remove the pie from the oven? (2)

1.2.3 Given that she requires 0,6 litres of boiling water, determine the equivalent quantity in millilitres. (2)

1.2.4 Write down the probability in words of finding one ingredient that is given in imperial units. (2)

1.2.5 Given that the cost of one pie is R15, calculate the number of pies she can afford to make with an amount of R120. (2)

[14]

QUESTION 2

2.

Mr Chetty has developed a seating plan arrangement for his class, which learners are required to follow during the forthcoming June examinations. ANNEXURE A illustrates the seating plan.

Use the information above and ANNEXURE A to answer the questions that follow.

- 2.1 Determine the total number of learners in the class. (2)
- 2.2 Determine the direction of Mokgatla Princess relative to Khulu Sobongokuhle. (2)
- 2.3 Explain the meaning of the scale 1:1000. (2)
- 2.4 Provide TWO reasons explaining the necessity of having a seating plan for the examination. (4)
- 2.5 Mr Chetty travels from his home to his workplace in 55 minutes at an average speed of 80 km/h.

Calculate the distance between his home and workplace, rounding off the answer to the nearest kilometre.

You may use the following formula: **Distance = Speed x Time** (5)

[15]

QUESTION 3

3. Consuming a balanced diet that incorporates a diverse range of fruits and vegetables is essential for the maintenance of good health. An understanding of the average weight of these food items facilitates effective meal planning and ensures the adequate intake of essential nutrients.



TABLE 2: LIST OF FRUITS WITH WEIGHT

Fruit	Weight
Banana	120 grams (4.2 oz)
Pineapple	2.7 kg (6 lbs.)
Mango	200 grams (7.1 oz)
Papaya	1 kg (2.2 lbs.)
Coconut	0.7 kg (1.5 lbs.)

[Adapted from <https://www.google.com/url>]

Use the information above to answer the questions that follow

- 3.1 Expressed as a fraction, the probability of selecting a mango from the given list of fruits. (2)
- 3.2 Calculate the total mass of all the fruits in kilograms, rounded to one decimal place. (5)
- 3.3 Show by calculations that mass of a banana is 60% of the mass of a mango. (2)
- 3.4 Fruits should be stored at a temperature of 10.6°C to maintain freshness. Round this temperature to the nearest ten degrees. (2)

[11]

QUESTION 4

4. Fikile and her friend are examining a map of the school they have recently enrolled in. Annexure B presents the school map.

Use ANNEXURE B and the information above to answer the questions that follow

- 4.1 Fikile is searching for a large room located to the left of the library. Identify and write down the name of this room. (2)
- 4.2 Fikile is currently in classroom 3 and needs to proceed to the tuck-shop. Provide directions for her to reach the tuck-shop. (4)
- 4.3 Provide TWO reasons explaining why the teachers' room is located adjacent to the entrance. (4)

[10]**TOTAL: 50**



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ADDENDUM

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This addendum consists of 3 pages with 2 annexures.

ANNEXURE A

QUESTION 2

SEATING PLAN

1:1000

DOOR

SUBJECT: MATHS LITERACY

ROOM: 1-10A

MID YEAR EXAMINATION 2026
SEATING PLAN

NAME OF SCHOOL:

DATE: 20 JUNE 2026

Stanmorephysics.com

MOKGATLHA, PRINCESS

Sign: _____

KHULU, SIBONGOKUHLE

Sign: _____

MNGOMEZULU, CEBOLENKOSI

Sign: _____

MADONSELA, NOKUBONGA

Sign: _____

DLAMINI, STHEMBELO

Sign: _____

BIYELA, MUSAWENKOSI

Sign: _____

MKHONZA, PHILASANDE

Sign: _____

MADONSELA, THABISO

Sign: _____

DLADLA, LONDIWE

Sign: _____

BUTHELEZI, ANELE

Sign: _____

MDLETSHI, NKOSINGIPHILE Z

Sign: _____

MASONDO, AMAHLE

Sign: _____

BUTHELEZI, NTANDOYENKOSI

Sign: _____

BUTHELEZI, ASIBONGE

Sign: _____

MDLALOSE, SAMATHA X

Sign: _____

MDLALOSE, MDUDUZI S

Sign: _____

BUTHELEZI, NKOSENHLE S

Sign: _____

BUTHELEZI, BONGIWE N

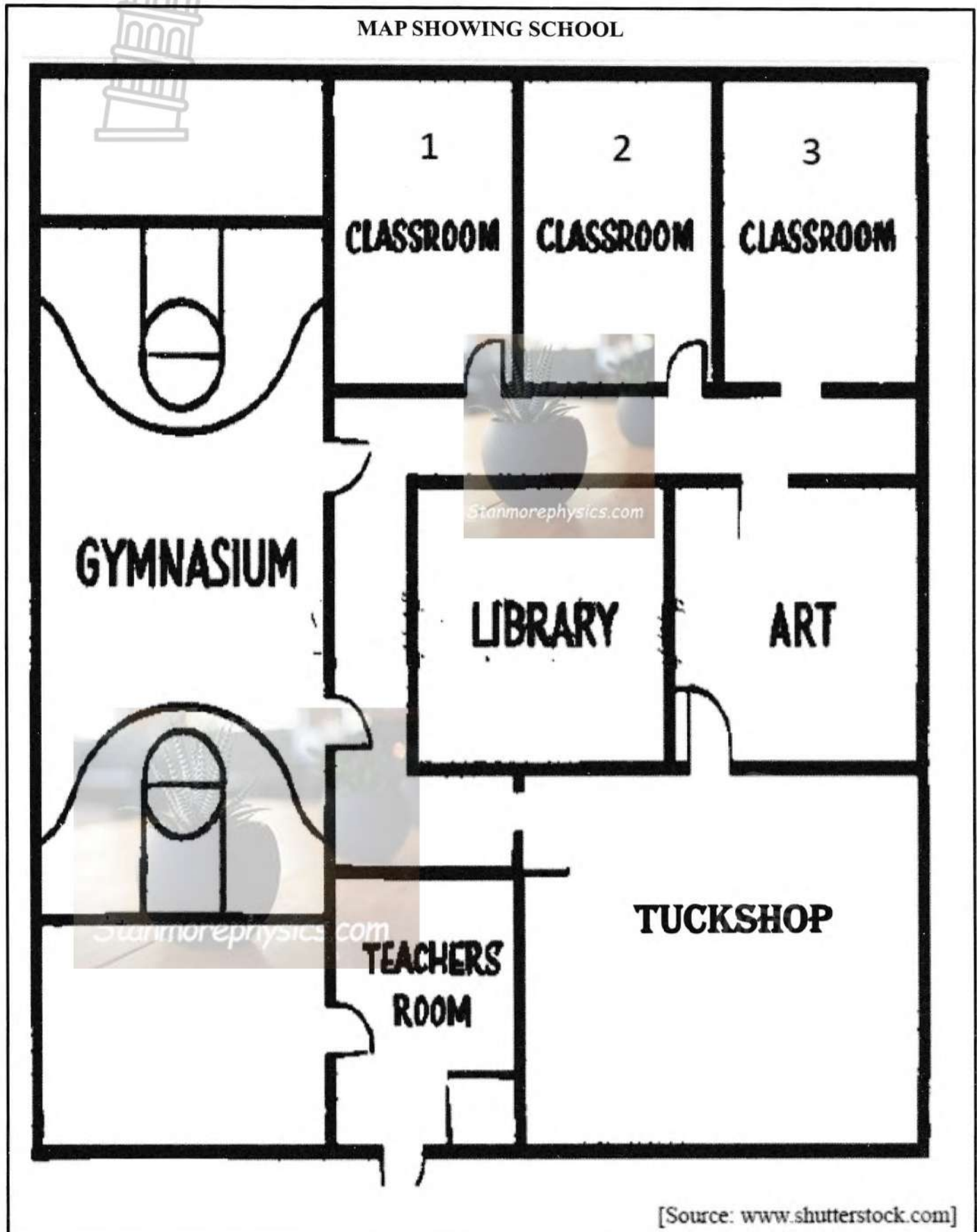
Sign: _____

Length

[Source: www.getdrawings.com]

ANNEXURE B

QUESTION 4



**KWAZULU-NATAL PROVINCE**EDUCATION
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**NATIONAL
SENIOR CERTIFICATE**
GRADE 10
**MATHEMATICAL LITERACY P2
PROVINCIAL STANDARDISED ASSESSMENT**
JUNE 2026**MARKING GUIDELINE****MARKS: 50**

SYMBOL	EXPLANATION
MA	Method with accuracy
MCA	Method with consistent accuracy
CA	Consistent accuracy
A	Accuracy (Answer)
C	Conversion
S	Simplification
RT	Reading from a table/ graph/ diagram
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example
P	Penalty e.g., for no units, incorrect rounding off, etc.
NPR	No penalty for correct rounding
NPU	No penalty for omitting unit, but wrong unit is penalised
AO	Answer only

This marking guideline consists of 4 pages.

NOTE:

- If a learner answers a question TWICE, only mark the FIRST attempt.
- If a learner 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 or breakdown.
- If the learner presents extra solution when reading from the graph, table, layout plan and map, then penalise for every extra item presented.
- Rounding is an independent mark.
- General principle of making, if the candidate makes one mistake one mark is deducted.
- A conclusion mark can only be given if relevant calculations of at least $\frac{1}{3}$ of the maximum mark of the sub-question has been awarded.
- No penalty for rounding (NPR) if the first decimal is correct, except questions involving money.

QUESTION 1 [14 MARKS] ANSWER ONLY FULL MARKS			
Q	Solution	Explanation	T&L
1.1.1	A ✓✓A	2A correct answer (2)	P L1 E
1.1.2	C ✓✓A	2A correct answer (2)	M L1 E
1.2.1	$12 \times 28,35$ ✓C = 340,2 grams ✓A	1C multiplying by 12,35 1A correct answer (2)	M L1 E
1.2.2	12:15 + 00:25 ✓MA = 12:40 ✓A	1MA adding correct times 1A correct answer (2)	M L1 E
1.2.3	$0,6 \times 1\,000$ ✓C = 600 millilitres ✓A	1C multiplying by 1 000 1A correct answer (2)	M L1 E
1.2.4	Certain ✓✓A	2A correct answer (2)	P L1 E
1.2.5	Number of pies = $\frac{R120,00}{R15,00}$ ✓MA = 8 ✓A	1MA dividing correct values 1A correct answer (2)	M L1 E
			[14]

QUESTION 2 [15 MARKS]			
Q	Solution	Explanation	T&L
2.1	18 ✓✓A	2A correct answer (2)	MP L1 E
2.2	Left ✓✓A	2A correct answer (2)	MP L2 E
2.3	1 unit/mm/cm on the seating plan on paper represents 1000 units/mm/cm in reality ✓✓O OR 1 unit on the seating plan is 1000 units in reality ✓✓O	2O correct explanation (2)	MP L4 M
2.4	To assist learners to find their seats before the exam ✓✓O Maintaining order in the exam room ✓✓O To discourage copying during the exams ✓✓O	2O for any two correct reasoning (4)	MP L4 M
2.5	Time = $\frac{55}{60}$ ✓C = 0,916666667 hours ✓A Distance = Speed x Time = 80 x 0,916666667 ✓SF = 73,333333km ✓CA = 73km ✓R	1C conversion 1A correct answer 1SF correct substitution 1CA correct answer 1R rounding down (5)	MP L3 D
			[15]

QUESTION 3 [11 MARKS]			
Q	Solution	Explanation	T&L
3.1	✓A $P(\text{mango}) = \frac{1}{5}$ ✓A	1A correct numerator 1A correct denominator (2)	P L2 E
3.2	Banana = $\frac{120}{1000}$ ✓C = 0,12kg ✓A Mango = $\frac{200}{1000}$ ✓C = 0,2kg Total number of kg = 0,12kg + 0,2kg + 2,7kg + 1kg + 0,7 kg ✓MA = 4,72kg ✓CA	1C conversion 1A correct answer 1C conversion 1MA adding all correct values 1CA correct answer (5)	M L2 M

3.3	$\text{Mass of banana} = \frac{\checkmark RT}{200} \times 100\% \checkmark MA$ $= 60\%$	1RT reading both correct values 1MA percentage concept (2)	M L3 E
3.4	$10^{\circ}\text{C} \checkmark \checkmark A$	2A correct answer (2)	M L2 M
Stanmorephysics.com			[11]

QUESTION 4[10 MARKS]

Q	Solution	Explanation	T&L
4.1	Gymnasium $\checkmark \checkmark A$	2A correct answer (2)	MP L2 M
4.2	Take a right turn at the door, $\checkmark A$ walk along the passage and pass classrooms 2 and 1 $\checkmark A$ Turn left into the passage between the library and the gymnasium $\checkmark A$ Turn left at the teachers' room and walk straight ahead and the tuckshop $\checkmark A$	1A turning right of the door 1A walking the passage and pass classrooms 2 and 1 1A turning left into the passage between the library and the gymnasium 1A Turn left at the teachers' room and walk straight ahead and the tuckshop (4)	MP L3 M
4.3	To ensure that every person who enters goes through the teacher first $\checkmark \checkmark O$ To maximise security $\checkmark \checkmark O$	2O for each correct reasoning (4)	MP L4 M
			[10]
TOTAL MARKS:50			