Province of the
EASTERN CAPE
EDUCATION

Iphondo leMpuma Kapa: Isebe leMfundo
Provinsie van die Oos Kaap: Department van Onderwys
Porafensie Ya Kapa Botjahabela: Lefapha la Thuto

O.R TAMBO COASTAL DISTRICT

NATIONAL SENIOR CERTIFICATE

MATHEMATICAL LITERACY

Stanmorephysics.com

MARKING GUIDELINES

GRADE 10 PAPER 2

FINAL EXAMINATION

Stanmorephysics.com

MARKS: 75

DATE: 30/10/2025

DURATION: $1\frac{1}{2}$ hours

This marking guideline consists of 6 pages including cover page

Symbol	Explanation
M	Method
MA	Method with Accuracy
CA	Consistent Accuracy
A	Accuracy
C	Conversion
D	Define
J	Justification/Reason/Explain
S	Simplification
RT	Read from the table OR a graph
F	Choosing the correct formula
SF	Substitution in formula
O	Opinion
P	Penalty, e.g for no units, incorrect rounding
R	Rounding off
AO	Answer only
NPR	No penalty for rounding off OR omitting units
PR	Penalty for rounding off OR omitting units

Stanmorephysics.com

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.**
- **If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalize for every extra item presented.**
- **Rounding is an independent mark.**
- **General principle of marking, if the candidate makes one mistake he loses one mark.**

A conclusion mark can only be given if relevant calculations precedes it.

- **No penalty for rounding (NPR) if the first decimal is correct.**

QUESTION 1			
Ques.	**Solution**	**Explanation**	**Marks**
1.1			
1.1.1	24 muffins √√	2A	2
1.1.2	4 batches √√	2A	2
1.1.3	2: 8 √ 1 : 4 √	1A 1A (simplified)	2
1.1.4	Metric and Imperial √√	2A	2
1.1..5	15minuters +20 minutes √ =35/60 =0,5833hrs √	2A	2
1.1.6	1 cup: 250ml 2 cup:? 2×250 =500ml √√	 2A	2
1.2			
	(a) Figure1 = Analogue √ (b) Figure2 = Digital √	1A 1A	2
1.2.2	Ten minutes past ten √√	2A	2
1.2.3	Morning √√	2A	2
1.2.4	22:10 pm √√	2A	2
			{ 20}
QUESTION 2			
2.1 (a)	Diameter = 68cm × 2 √ = 136CM = 136cm × 10 √ = 1360mm √	1M 1C 1A	3
(b)	Diameter is a distance from the circumference passing through center to the other side of the circumference while radius is the distance from circumference to the center. OR diameter is a full circle while radius is a half of the circle. √√ √	2A	2
2.2	P = 136cm × 4 √ P = 544cm √ P = 500cm √	1M 1S 1A	3

Stanmorephysics.com

2.3	$A = \pi r^2$ Area =3,142 × 68 × 68 √ Area =14528,608cm^2 √ Area =14529cm^2 √	 1SF 1S 2R	4
2.4	Circumference = 2 × 3,142 × 0,68 √√ = 4,27312m√ No. of strips = $\frac{427312m}{2m}$ √ = 3 strips √ Cost of strips = 3 × R150 √ = R450 √ Her statement is valid. √	 2SF 1A 1M 1A 1M 1A 1O	8
			(20)
QUESTION 3			
3.1.1	Floor plan shows the top view of the object. √√	2A	2
3.1.2	5 windows √√	2A	2
3.1.3	Sink, toilet sit √√	2A	2
3.1.4	1 unit on the is equal to 50 units on the ground or reality. √√	2A	2
3.1.5	1: 50 12,1 cm: 12,1 × 50 √ = $\frac{605cm}{100}$ √ = 6,05m √	 1M 1C 1A	3
3.1.6	South West /SW √√	2A	2
3.1.7	0% impossible or none √√	2A	2
			[15]
QUESTION 4			
4.1.1	Volume=Length × width × height = 33.5 × 23 × 13 √ =10016,5cm^3 √	 1SF 1A	2

Stanmorephysics.com

4.1.2	Length of small box $= \frac{33,5cm}{100}$ $= 0,33\text{m}$ √ Width of small box $\frac{23cm}{100}$ √ $= 0,23m$ $Height\ of\ small\ box = \frac{13cm}{100}$ $= 0,13m$ √ $Lengthwise = \frac{2,01m}{0,335}$ √ $= 6\ box$ $Widthwise = \frac{0,69m}{0,23}$ $= 3\ box$ √ $Heightwise = \frac{0,52m}{0,13}$ $= 4\ box$ √ $6 \times 3 \times 4 = 72\ boxes$ √ $The\ claim\ is\ valid$ √	1A 1M 1A 1M 1A 1A 1M 1O	8
4.2			
4.2.1	Number of wooden parts = 7 √√	2A	2
4.2.2	Total number of screws = 16 √√	2A	2
4.2.3	Part = 6√√	2A	2
4.2.4	Clockwise direction √√	2A	2
4.2.5	Table or Side Table √√	2A	2
			(20)
			TOTAL = 75