Province of the
EASTERN CAPE
EDUCATION

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O.R TAMBO COASTAL DISTRICT

NATIONAL SENIOR CERTIFICATE

MATHEMATICAL LITERACY

GRADE 10 PAPER 1

FINAL EXAMINATION

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MARKING GUIDELINES

MARKS: 75
DATE: 28/10/2025
DURATION: $1\frac{1}{2}$ hours

This marking guidelines consists of 7 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

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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.**
- **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[18]

QUES	SOLUTION	EXPLANATION	MARK
1.1			
1.1.1	Those are the items that are excluded from VAT. ✓✓	2A explanation (2)	L1
1.1.2	Total = R10,99 × 8 ✓ = R87,92 ✓	1MA multiplying correct values 1A (2)	L1
1.1.3	Jellybeans: chips R25: R15 ✓ 5 : 3 ✓	1MA correct values 1S Minus 1 mark if incorrect order (2)	L1
1.1.4	R1 018,97 – R69,95 = R949,02 ✓ R949,02 ÷ 1,15 = R825,23 ✓ ∴ VAT = R949,02 – R825,23 ✓ = R123,79 OR $\frac{15}{115}$ × R949,02 ✓✓ = R123,79 ✓	1mark subtraction 1M 1MA (3)	L1

1.2.			
1.2.1	Bar graph OR Vertical Bar graph ✓✓ (Accept single bar graph, column bar graph)	2A	L1
1.2.2	Total = 3 + 4 + 2 + 3 + 8 + 10 + 6 + 1 + 7 + 8 + 4 + 7 ✓ = 63 learners ✓	2A	L1
1.2.3	May and October ✓✓	1RG May 1RG October (2)	L1

1.2.4	$\frac{4}{12}$ ✓✓ = 0,3333333333 =0,33✓	Numerator 1 Denominator 1 A 1	L1

(18)

2.1			
2.1.1	R250 ✓✓	2M A (2)	L1
2.1.2	**Fixed expenses** Rent ✓ R1 500 **Total= R 1 500** ✓ **Variable expenses** Food ✓ R1 700 Clothes ✓ R300 Entertainment ✓ R250 Others ✓ R700 **Total = R2 950** ✓	1A for each item (5) 1 A for each total (2) (7)	L1
2.1.3	R3800+1800 ✓ =R5600 ✓	1M Addition 1A answer (2)	L1
2.1.4	$\frac{R1500}{4450}$×100 ✓ =33,70786…. =33,71 ✓	1M Correct values and 1A **NPR** (2)	L2

2.2			
2.2.1	Tariff is a charge per unit for a service rendered. ✓✓	2A (2)	L1
2.2.2	Value added tax ✓✓	2A	L1
2.2.3	15% ✓✓	2A (2)	L1
2.2.4	MA MA CA 0 to 6 = 6 k l: 6 × R27,80 = R166,80 ✓✓ 6 to 18 = 12 kl: 12 × R34,06 = R408,72 ✓ Total R575,52 CA ✓ His statement is TRUE/CORRECT O ✓	1MA multiply correct kl 1MA correct rates 1CA simplification 1CA answer 1 opinion (5)	L4

(24)

3.1			
3.1.1	R65,00 ✓✓	2A (2)	L1
3.1.2	R1 700 – R1 500 = R200 (over R1 500) ✓ ∴ Cost = R12,00 + (R1,20 × 2) ✓ = R14,40 ✓ OR R200 ÷ 100 = 2 ✓ (2 × R1,20) + R12,00 ✓ = R14,40 ✓	1M Subtraction amounts 1SF 1CA (3)	L2
3.1.3	R0,00 ✓✓ OR No money ✓✓	2RT identifying correct value from table (2)	L1
3.2.1	Interest is the actual amount of money earned on an investment or loan ✓✓whereas interest rate is the percentage at which interest is calculated on a loan or investment. ✓✓	2 marks for interest and 2 marks for interest rate (4)	
3.2.2	Interest per year = R2 000 × 0,095 = R190 ✓ Total Interest = R190 × 2 = R380 ✓ Total value = R2 000 + R380 ✓ = R2 380 ✓	1MA calculating interest per year 1M multiplying by 2 years 1 M for addition 1CA final answer (4)	L2
		(15)	

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4.1			
4.1.1	Pie chart ✓✓	2A answer (2)	L1
4.1.2	Categorical ✓✓	2A correct answer (2)	L1
4.1.3	% for red cars = 100% - (35%+9%+6%+15%+24%+3%) ✓ = 100% - 92% ✓ = 8%✓	2MA adding and subtracting % 1CA **NPU** (3)	L2
4.1.4	350 X $\frac{24}{100}$ ✓ = 84 cars ✓	1MA multiplying 1A correct answer (2)	L2
4.1.5	More visible on the road/It could make you easier to be spotted ✓✓ **OR** It can hide imperfections well ✓✓ **OR** When re-painting after an accident, white colour matches more easily✓✓ **OR** A white car can improve your car's resale value ✓✓ **OR** White car paint is cheaper than colourful ones ✓✓ **Accept any other relevant ANSWER**	2A reason (2)	L4
4.2.1	$\frac{4,1 + 4,3 + 5,8 + 4,1 + 2,9 + 5,1 + 3,6 + 2,5 + 4,7 + 4,4 + 4,2 + 5,0}{12}$✓ $= \frac{50,7}{12}$ ✓ = 4,225 / 4,23 / 4,2 ✓	1MA adding 1MA concept of mean 1CA answer **NPR** (3)	L2

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4.2.2	2,5; 2,9 ; 3,6 ; 4,1 ; 4,1 ; **4,2 ; 4;3** ; 4,4 ; 4,7 ; 5,0 ; 5,1 ; 5,8 ✓✓ Middle value: $= \frac{4,2 + 4,3}{2}$ ✓ = 4,25 ✓	1RT correct values 1MA correct order 1MA concept of median 1CA answer (4)	L3

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