



Province of the
EASTERN CAPE
EDUCATION

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

NATIONAL SENIOR CERTIFICATE

GRADE 12

JUNE 2026

MATHEMATICAL LITERACY P1 MARKING GUIDELINE

MARKS: 100

This marking guideline consists of 8 pages.

Symbol	Explanation
M	Method
MA	Method with 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
P	Penalty, e.g. for no units, incorrect rounding off, etc.
R	Rounding off
NPR	No penalty for correct rounding minimum two decimal places
AO	Answer only
MCA	Method with consistent accuracy

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 question, mark the crossed out (cancelled) version.
- Consistent accuracy applies in ALL aspects of the marking guideline, 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 and table then penalise 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.

Topics: F – Finance, DH – Data Handling, P – Probability

QUESTION 1 [20 MARKS]			
Que	Solution	Explanation	T and L
1.1.1	D ✓✓A	2 A answer (2)	F L1
1.1.2	D ✓✓A	2 A answer (2)	DH L1
1.1.3	B ✓✓A	2 A answer (2)	F L1
1.1.4	C ✓✓A	2 A answer (2)	P L1
1.1.5	C ✓✓A	2 A answer (2)	F L1
1.2.1	South African Revenue Services ✓✓A	2 A answer (2)	F L1
1.2.2	Body Mass Index ✓✓A	2A answer (2)	DH L1
1.2.3	Mode ✓✓A	2 A answer (2)	DH L1
1.3.1	Eleven million seven hundred thousand ✓✓A	2 A answer (2)	F L1
1.3.2	Number of people who do not shop online = 64,01 m – 11,7 m ✓M Number of people who do not shop online = 52,31 million ✓A OR Number = 64 010 000 – 11 700 000 ✓M = 52 310 000 ✓A	1 M subtraction 1 A answer (2)	DH L1
			[20]
QUESTION 2 [37 MARKS]			
Que	Solution	Explanation	T and L
2.1.1	$1321 - 1235 \checkmark M = 86 \checkmark A$	1M subtraction 1A answer (2)	F L1
2.1.2	$(6 \times 904) + (4 \times 1\,027) + (10 \times 1\,335) + (66 \times 1\,639) \checkmark \checkmark M$ $= 5\,424 + 4\,108 + 13\,350 + 108\,174 \checkmark \checkmark CA$ $= 131\,056 \times 1,15 \checkmark M$ $= \frac{150\,714,4}{100} \checkmark C$ $= R1\,507,14 \checkmark CA$ Not valid ✓O OR $(6 \times R9,04) + (4 \times R10,27) + (10 \times R13,35) + (66 \times R16,39)$ $= R54\,24 + R41,08 + R133,50 + R1\,081,74$ R1 507,14 Not valid	2 M multiplication 2 CA answer 1 M multiply by 1,15 VAT 1 C conversion to Rands 1 CA answer 1 O opinion (8)	F L4

If learners start by converting rates to rands the conversion mark will be allocated first.

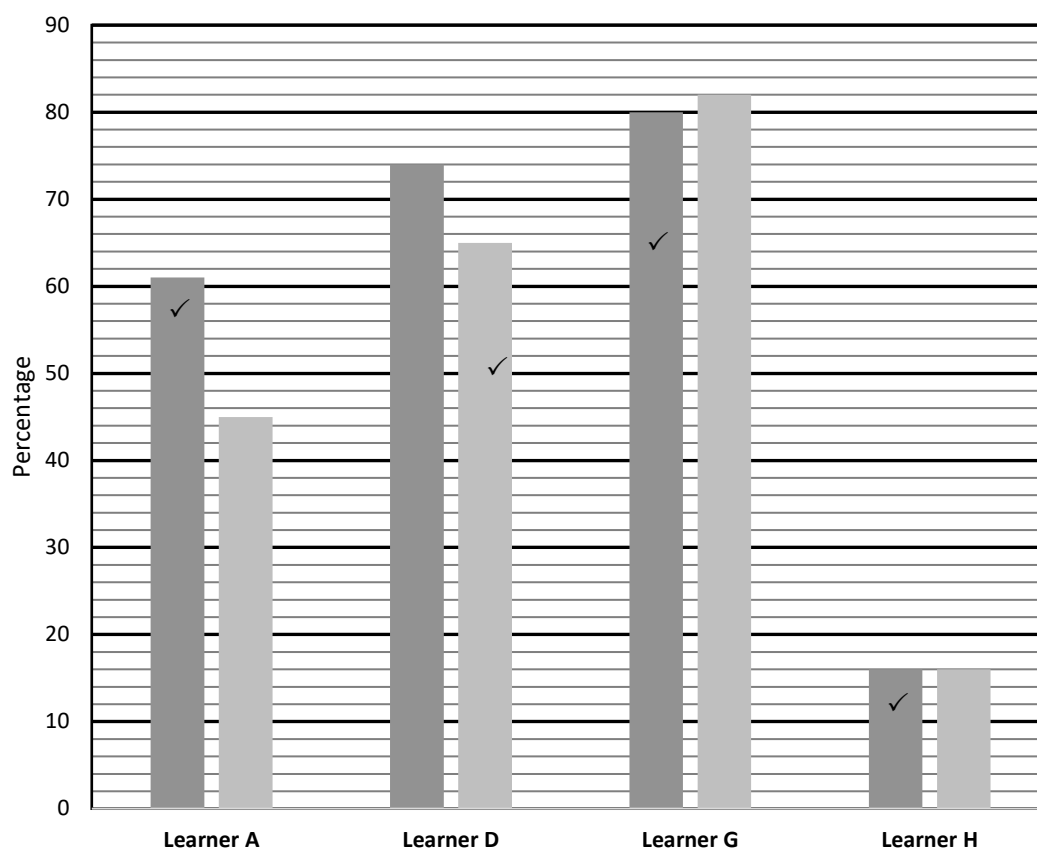
2.2.1	Simple Interest ✓✓A	2 A answer (2)	F L1
2.2.2	Second year ✓✓A	2 A answer (2)	F L 2
2.2.3	<p>Balance after 1st year:</p> $R120\,000 \times \frac{15}{100} \checkmark M = R18\,000 \checkmark CA$ $R120\,000 + R18\,000 = R138\,000 \checkmark CA$ <p>Balance after 2nd year:</p> $R138\,000 \times \frac{15}{100} = R20\,700$ $R138\,000 + R20\,700 = R158\,700 \checkmark CA$ <p>Balance after 3rd year:</p> $R158\,700 \times \frac{15}{100} = R23\,805$ $R158\,700 + R23\,805 = R182\,505 \checkmark CA$ <p style="text-align: center;">OR</p> $R120\,000 \times 1,15 \checkmark M \times 1,15 \checkmark M \times 1,15 \checkmark M$ $= R182\,505 \checkmark \checkmark CA$	<p>1 M multiply by 15% interest 1 CA interest 1 CA balance</p> <p>1 CA balance</p> <p>1 CA balance</p> <p>3 M multiplication</p> <p>2 A answer (5)</p>	F L2
2.2.4	The option will give more money from interest ✓✓o	2 O opinion (2)	F L4
2.3.1	$R45\,600 \times 12 \checkmark M = R547\,200 \checkmark CA$	1 M multiplication 1 CA answer (2)	F L1
2.3.2	<p>$MTC = (728 + 251 \times 2) \checkmark M$</p> <p>$MTC = R1\,230 \times 12 \checkmark M$</p> <p>$MTC = R14\,760 \checkmark CA$</p>	<p>1 M addition</p> <p>1 M multiplication</p> <p>1 CA answer (3)</p>	F L2
2.3.3	<p>Amount = $R42\,678 \checkmark RT + \frac{26}{100} \times (R370\,500 - R237\,100) \checkmark SF$</p> <p>Amount = $R42\,678 + R36\,998 \checkmark M$</p> <p>Amount = $R77\,362$</p>	<p>1 RT correct values 1 SF substitution</p> <p>1 M addition (3)</p>	F L3

2.3.4	$\text{Taxable income} = R547\,200 - \frac{15}{100} \times R547\,200 \checkmark M$ $= R547\,200 - R82\,080 \checkmark M$ $= R465\,120 \checkmark CA$ $AT = R77\,362 + \frac{31}{100} (R465\,120 - R370\,500) \checkmark SF$ $AT = R77\,362 + 0,31 \times R94\,620$ $AT = R77\,362 + R29\,332,20$ $AT = R106\,694,20$ $AT = R106\,694,20 - R17\,235 - R9\,444 \text{ [less rebate]} \checkmark M$ $AT = R80\,015,20 - R14\,760 \text{ [less MTC]} \checkmark M$ $AT = R65\,255,20$ $MT = \frac{R65\,255,20}{12} \checkmark M$ $MT = R5\,437,93 \checkmark CA$	1 M multiplication 1 M subtraction 1 CA taxable income 1 SF substitution 1 M subtract rebate 1 M subtract MTC 1 M division by 12 1 CA monthly tax (8)	
		[37]	

QUESTION 3 [29 MARKS]			
Que	Solution	Explanation	T and L
3.1	Scatter plot ✓✓A	2A answer (2)	DH L2
3.2	SBA mark = $100\% - 75\%$ ✓M SBA = 25 ✓A	1 M subtraction 1 A answer (2)	DH L1
3.3	86 81 80 74 74 65 61 46 41 16 ✓✓A	2 A answer (2)	DH L1
3.4	Median mark = $\frac{74+65}{2}$ ✓M Median mark = 69,5 ✓CA Median mark $\approx 70\%$ ✓R	1 M median method 1 CA answer 1 R rounding off (3)	DH L2
3.5	24 45 46 52 63 65 71 81 81 83 ✓M Lower quartile = 46 ✓CA Upper quartile = 81 ✓CA IQR = $Q_3 - Q_1$ IQR = $81 - 46$ ✓M IQR = 35 ✓CA	1 M arranging in ascending order 1 CA lower Q 1 CA upper Q 1 M subtraction 1 CA answer (5)	DH L 3
3.6	Probability = $\frac{5 \checkmark RT}{10 \checkmark RT} = 0,5$ ✓CA	1 Numerator 1 Denominator 1 CA answer (3)	P L2
3.7	Mean SBA = $\frac{45+52+46+52+65+63+71+81+24+83+81}{10}$ ✓M $= \frac{611}{10}$ ✓M $= 61,1\%$ ✓CA Mean Nov Mark = $\frac{61+41+46+74+81+65+80+16+74+86}{10}$ ✓ $= \frac{624}{10}$ $= 62,4\%$ ✓CA Difference = $62,4\% - 61,1\%$ ✓M = $1,3\%$ ✓CA \therefore SBA marks will be used ✓O	1 M addition of 10 values 1 M division by 10 1 CA answer 1 CA mean Nov Mark 1M subtraction 1 CA answer 1 O opinion (8)	DH L4

3.8

DH L2

SBA and November Examination Marks for four learners

1 mark for each correct bar

(4)

[29]

QUESTION 4 [14 MARKS]			
Que	Solution	Explanation	T and L
4.1	Rand ✓✓A	2 A answer (2)	F L2
4.2	$\text{Cost} = (\text{P}3927,51 \times 4) \checkmark \text{M} + \text{P}13\,086 + \text{P}262 \checkmark \text{M}$ $\text{Cost} = \text{P}15\,710,04 + \text{P}13\,086 + \text{P}262$ $\text{Cost} = \text{P}29\,058,04 \checkmark \text{CA}$ $\text{Cost in Rand} = \frac{\text{P}29\,058,04}{\text{P}0,7662} \times \text{R}1 \checkmark \text{C}$ $\text{Cost in Rands} = \text{R}37\,924,88 \checkmark \text{CA}$	1 M airfare x 4 1 M addition 1 CA total in Pula 1 C conversion 1 CA answer (5)	F L3
4.3	$\text{Range} = \text{Max} - \text{Min}$ $\text{Range} = \text{P}16\,780 - \text{P}7\,832 \checkmark \text{RT} \checkmark \text{M}$ $\text{Range} = 8\,948 \checkmark \text{CA}$	1 RT correct values 1 M subtraction 1 CA answer (3)	DH L1
4.4	$\frac{103,35}{100} \checkmark \text{M} \times \text{Old Price} = \text{P}3\,654,38 \checkmark \text{RT}$ $\text{Old Price: } \text{P}3\,654,38 \times \frac{100}{103,35} \checkmark \text{M} = \text{P}3\,535,93 \checkmark \text{CA}$	1 M multiply 1 RT correct value 1 M multiplication 1 CA answer (4)	F L3
		[14]	
		TOTAL: 100	