



NATIONAL SENIOR CERTIFICATE

GRADE 12

SEPTEMBER 2026

MATHEMATICAL LITERACY P1 MARKING GUIDELINE

MARKS: 150

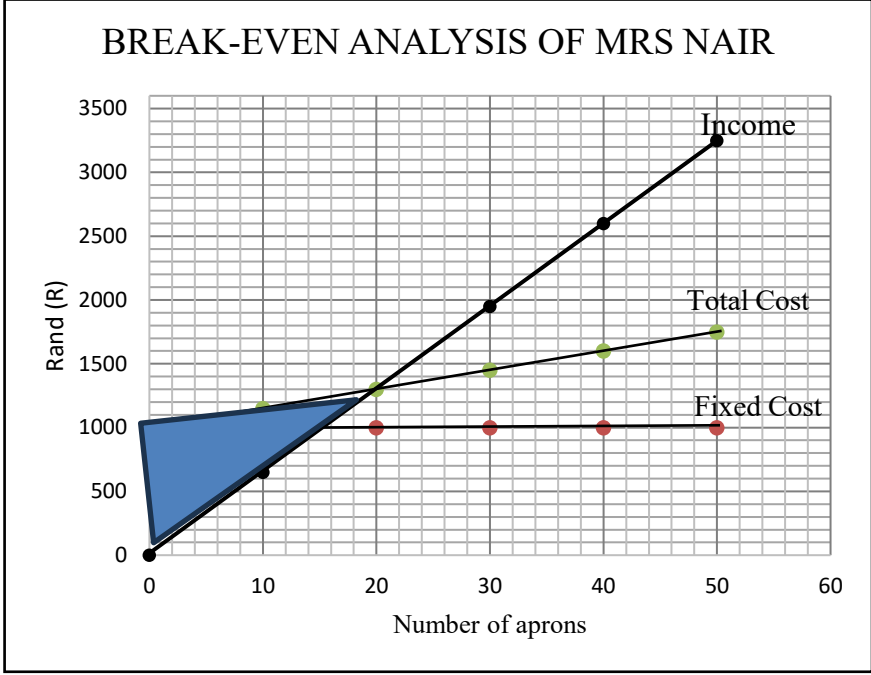
Symbol	Explanation
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT	Reading from a table/a graph/document/diagram
SF	Correct substitution in a formula
O	Opinion/Explanation
P	Penalty, e.g. for no units, incorrect rounding off, etc.
R	Rounding off
NPR	No penalty for correct rounding minimum two decimal places
AO	Answer only
MCA	Method with constant accuracy

This marking guideline consist of 11 pages.

MARKING GUIDELINES**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 penalise for every extra incorrect item presented.

QUESTION 1 [28 marks]			
Ques.	Solution	Explanation	Topic and Level
1.1.1	9665450322 ✓✓A	2A correct answer (2)	F L1
1.1.2	VAT amount = R854,13 x 1,15 ✓MA = R982,25 ✓A OR VAT amount = R854,13 × $\frac{15}{100}$ ✓MA = R854,13 + R128,13 = R982,25 ✓A	1 multiplying by 1,15 1A answer (2)	F L1
1.1.3	= R18 500,00 - R6 200,00 ✓MA = R12 300 ✓CA	2A Correct amount (2)	F L1
1.1.4	15/08/2026 OR 15 August 2026 ✓✓A	2A Correct date (2)	F L1
1.2.1	Continuous data ✓✓A	2A correct answer (2)	D L1
1.2.2	Discrete data ✓✓A	2A correct answer (2)	D L1
1.2.3	Categorical ✓✓A	2A Correct answer (2)	D L1
1.3	Sunday ✓✓A	2A Correct day (2)	P L1
1.4.1	= R216,67 x 36 ✓MA = R7 800 ✓ CA	1MA multiplying by 36 1CA answer (2)	F L1
1.4.2	Difference = R7 800 – R6 000,00 ✓MA = R1 800 ✓CA OR 10% = 0,1 0,1 x R6 000 x 3 ✓ MA R600 x 3 R1 800 ✓CA	1MA subtracting correct amounts 1CA answer (2)	F L1
1.5.1	T. Cost = R200,00 + R20,00 + R13,00 + R30,00 ✓MA = R263,00 ✓CA	1MA adding correct values 1CA answer (2)	F L1
1.5.2	Profit = R350,00 - R263,00 ✓MA = R87,00 ✓CA	1MA subtracting correct values 1CA answer (2)	F L1
1.5.3	Profit is the difference between the selling price and cost price ✓✓A (Accept any reasonable answer)	2A definition (2)	F L1
1.5.4	Ratio: 13 : 30 ✓✓A	2A correct ratio (2)	F L1
		[28]	

QUESTION 2 [33 marks]			
Ques.	Solution	Explanation	Topic and Level
2.1.1	Fixed Cost = R1 000,00 ✓✓A	2A correct formula (2)	F L2
2.1.2	$A = R1\ 000,00$ ✓A $B = R1\ 000,00 + R300,00$ ✓MA $= R1\ 300,00$ ✓A OR $B = R1\ 000,00 + (R15 \times 20)$ ✓MA $= R1\ 300,00$ ✓A	1A correct amount 1MA adding correct values 1A answer (3)	F L1
2.1.3		1A first point (total costs graph) 1A last point (total cost graph) 1A first point fixed cost graph 1A last point fixed cost graph 1A for two points correctly plotted (total cost) (5)	F L3
2.1.4	Shading the lower region before 20 aprons ✓✓CA	2A correct shading (2)	F L2
2.2.1	Rand is weaker than Pound ✓✓A	2A correct explanation (2)	F L2

2.2.2	Previous exchange rate: $1 \text{ GBP} = 22,683 \text{ ZAR}$ $1\,375 \text{ GBP} = ?$ $? = \frac{1\,375 \text{ GBP} \times 22,683 \text{ ZAR}}{1 \text{ GBP}} \checkmark \text{C}$ $? = \text{R}31\,189,13 \checkmark \text{CA}$ Current exchange rate: $1 \text{ GBP} = 22,4436 \text{ ZAR}$ $1\,375 \text{ GBP} = ?$ $? = \frac{1\,375 \times 22,4436 \text{ ZAR}}{1 \text{ GBP}} \checkmark \text{RT}$ $? = \text{R}30\,859,95 \checkmark \text{CA}$ Difference = $\text{R}31\,189,13 - \text{R}30\,859,95 \checkmark \text{MA}$ $= \text{R}329,18 \checkmark \text{CA}$	1C correct conversion 1CA simplification 1RT reading correct conversion from the table 1CA simplification 1MA subtracting correct values 1CA difference (6)	F L4
2.3.1	Inflation $\checkmark \checkmark \text{A}$	2A answer (2)	F L1
2.3.2	Difference = $\text{R}124\,00,00 - \text{R}110\,000,00 \checkmark \text{MA}$ $= \text{R}14\,000,00 \checkmark \text{CA}$ % increase = $\frac{\text{R}14\,000,00}{\text{R}110\,000,00} \times 100 \checkmark \text{MA}$ $= 12,7272\%$ $= 13\% \checkmark \text{R}$	1MA subtraction 1CA answer 1M multiplying by 100 1CA correct percentage 1R rounding (4)	F L3
2.4	Deposit = $\text{R}180\,000,00 \times \frac{15}{100}$ $= \text{R}27\,000,00 \checkmark \text{MA}$ Residual = $\text{R}180\,000,00 \times \frac{25}{100}$ $= \text{R}45\,000,00 \checkmark \text{CA}$ Loan amount = $\text{R}180\,000,00 - (\text{R}27\,000,00 + \text{R}45\,000,00)$ $= \text{R}108\,000,00 \checkmark \text{MA}$ 1st year = $\text{R}108\,000 \times 1,11$ $= \text{R}119\,880 \checkmark \text{MA}$ 2nd year = $\text{R}119\,880 \times 1,11$ $= \text{R}133\,066,80$ 3rd year = $\text{R}133\,066,80 \times 1,11$ $= \text{R}147\,704,15 \checkmark \text{CA}$ Total amount = $\text{R}147\,704,15 + \text{R}27\,000,00 + \text{R}45\,000,00 \checkmark \text{MA}$ $= \text{R}219\,704,15 \checkmark \text{CA}$ OR	1MA calculating deposit 1CA calculating residual value 1MA calculating loan amount 1MA calculating interest 1CA calculating interest 1MA adding correct valued 1CA answer	F L3

	Deposit = R180 000,00 x $\frac{15}{100}$ = R27 000,00 ✓MA Residual = R180 000,00 x $\frac{25}{100}$ = R45 000,00 ✓CA Loan amount = R180 000,000 - (R27 000,00 + R45 000,00) = R108 000,00 ✓MA Loan plus interest = R108 000 × $\frac{111}{100}$ × $\frac{111}{100}$ × $\frac{111}{100}$ ✓MA = R147 704,15 ✓CA Total amount = R147 704,15 + R27 000,00 + R45 000,00 ✓MA = R219 704,15 ✓CA		
		(7)	
		[33]	

QUESTION 3 [32]			
Ques.	Solution	Explanation	Topic and Level
3.1.1	Eleven million seven hundred and eighty-five thousand and seventy. ✓✓A	2A answer (2)	D L1
3.1.2	$\begin{aligned} & \text{Difference} = 7\,837\,771 - 7\,277\,988 \quad \checkmark \text{MA} \\ & = 109\,783 \\ & = 110\,000 \quad \checkmark \text{R} \end{aligned}$	1RT correct values 1M subtraction 1R rounded number (3)	D L2
3.1.3	$\begin{aligned} & \text{Total motorised} \\ & = 7\,837\,771 + 356\,164 + 64\,994 + 350\,405 + 2\,701\,912 \\ & \quad + 393\,725 + 239\,469 \quad \checkmark \text{MA} \\ & = 11\,944\,440 \quad \checkmark \text{CA} \\ \\ & \quad \checkmark \text{RT} \\ & \% = \frac{350\,405}{11\,944\,440} \times 100 \quad \checkmark \text{MA} \\ \\ & = 2,93\% \quad \checkmark \text{CA} \end{aligned}$	1MA adding 2024 total 1CA answer 1RT correct values 1MA multiplying by 100 1CA answer (5)	D L2
3.1.4	0% OR impossible ✓✓A	2A answer (2)	P L2
3.1.5	7 837 771; 2 701 912; 393 725; 356 164; 239 469; 64 994 ✓✓A If learners arrange in ascending order penalise 1 mark	2A arranging in correct order (2)	D L1
3.1.6	64 298; 237 504; 347 621; 350 680; 386 641; 2 670 338; 7 727 988 ✓A IQR = Q3 - Q1 $\begin{aligned} & = 2\,670\,338 \quad \checkmark \text{A} - 237\,504 \quad \checkmark \text{A} \\ & = 2\,432\,834 \\ & \text{Valid} \quad \checkmark \text{O} \end{aligned}$	1A arranging 1A lower quartile 1A upper quartile 1O opinion (4)	D L4
3.2.1	KZN, WC, ✓A NC, LP ✓A One mark per two provinces	2A correct province (2)	D L1
3.2.2	Double bar graph, stacked bar graph, scatter plot ✓✓A	2A correct graph (2)	D L2

3.2.3	$100\% - (5\% + 13\% + 10\% + 7\% + 2\% + 9\% + 12\% + 21\%)$ $100\% - 79\%$ $= 21\% \checkmark \text{CA}$ $\text{Number of learners} = \frac{21}{100} \times 13\,527\,283 \checkmark \text{RT}$ $= 2\,840\,729,43$ $= 2\,840\,729 \checkmark \text{CA (Accept } 2\,840\,730)$	1CA correct percentages 1RT total number of learners 1CA number rounded to the nearest whole number (3)	D L2
3.2.4	$\text{Range} = 21\% - 2\% \checkmark \text{MA}$ $= 19\% \checkmark \text{CA}$	1MA concept of a range 1CA answer (2)	D L2
3.2.5	$\text{Eastern Cape} = 1\,782\,431 \div 61\,673 \checkmark \text{MA}$ $= 28,90$ $= 1 : 29 \checkmark \text{CA}$ $\text{Limpopo} = 1\,819\,118 \div 55\,336$ $= 32,87$ $= 1 : 33 \checkmark \text{CA}$ Eastern Cape is below average. 29 learners per teacher. $\checkmark \text{J}$ Limpopo is above average. 33 learners per teacher. $\checkmark$	1MA dividing correct values 1CA correct ratio (EC) 1CA correct ratio (LP) 2J justification (5)	D L3
		[32]	

4.3.2	Prioritise ECD Basic Education ✓ because it has the least allocation. ✓✓O (Accept any reasonable answer)	1A category 2O correct opinion (3)	D L4
4.3.3	Budget is a plan on how money is going to be spent on education. ✓✓A OR Financial plan on how to spend money on education. ✓✓A OR Estimated income and expenditure of money to be used in education. ✓✓A	2A definition (2)	F L2
4.3.4	School infrastructure ✓✓A	2A correct answer (2)	F L2
4.3.5	$P = \frac{1}{4}$ ✓A 4 ✓A $= 0,25$ ✓CA	1A numerator 1A denominator 1CA simplification (3)	P L2
		[34]	

QUESTION 5 [23]			
Ques.	Solutions	Explanations	Topic and Level
5.1.1	C ✓✓A	2A correct answer (2)	F L1
5.1.2	A ✓✓A	2A correct answer (2)	F L1
5.2.1	81 ✓✓A	2A mode (2)	D L2
5.2.2	Median $= \frac{75+79}{2}$ ✓MA Median $= \frac{154}{2}$ ✓MA Median = 77 ✓A	1MA median method 1MA adding and dividing by 2 1A correct median (3)	D L2
5.3.1	UIF = R18 000 x $\frac{1}{100}$ ✓MA = R180,00 ✓CA Noxie is correct. ✓J	1MA multiplying by $\frac{1}{100}$ 1CA simplification 1J justification (3)	F L2
5.3.2	The mistake that was made was adding housing subsidy and cellphone allowance to the basic salary before calculating UIF. ✓✓A (Accept any reasonable answer)	2A explanation (2)	F L4
5.4	Sewage used = 40 kℓ x $\frac{75}{100}$ = 30 kℓ ✓A NOVA: SEWAGE 6 kℓ x R30,89 = R185,34 ✓MA 9 kℓ x R24,71 = R222,39 15 x R10,50 = <u>R157,50</u> = R565,23 x 1,15 ✓MA = 650,01 ✓CA WATER: 40 – 30 = 10 kℓ 6 kℓ x R26,12 = R156,72 4 kℓ x 43,00 = <u>R172,00</u> = R328,72 x 1,15 = R378,03 ✓CA Total = R650,01 + R378,03 = R1 028,04 ✓CA PAUL: ELECTRICITY 300 kWh x R2,5861 = R775,83 ✓CA Total = R775,83 + (R35 x 4) = R915,83 ✓CA Nova will pay more (R112,21) ✓O	1A sewage used 1MA correct kℓ 1 MA multiply by 1,15 1CA answer 1CA answer 1CA answer 1CA answer 1O opinion (9)	F L4
		[23]	

TOTAL MARKS: 150

