



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

**MATHEMATICAL LITERACY
INVESTIGATION**

MARKING GUIDELINE

TERM 1 2024

MARKS: 50

SYMBOL	EXPLANATION
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG/RD/RM	Reading from a table/ graph/ diagram/Map
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example/Explanation
J	Justification
R	Rounding off
F	deriving a formula
AO	Answer only full marks
P	Penalty e.g. for units, incorrect rounding off etc.
NPR	No penalty for rounding / units
D	Correct definition

This marking guideline consists of 5 pages.

MARKING RUBRIC

50

NAME OF LEARNER: _____ GRADE 12 _____

NOTE: Attach this rubric to your answer sheet together with evidence of data collection. See note below for acceptable evidence.

INVESTIGATION OF PRICE OF GOODS FOR 2024 [6 marks]

CRITERIA	Max	4	3	2	1	0
Data collection	4	2024 prices for all 10 items listed.	2024 prices for 7 or more items listed.	2024 prices for 4 or more items listed.	2024 prices for 2 or more items listed.	2024 prices not listed.
Evidence *	2			Evidence for ALL 10 items provided.	Evidence for less than 10 items provided	No evidence provided;

(6) TL1***Acceptable Evidence:**

- Pictures of items with their prices from a 2024 catalogue (January/February 2024).
- Screen shots of items with their prices from the online supermarket from the Internet.
Provide the website link and the date accessed.
- Photographs of items on the shelf with the prices visible from the store.

BUDGET STATEMENT [8 marks]

CRITERIA	Maximum mark	2	1	0
Income/s listed	2	Income stated		No income stated
Fixed expenses listed	2	2 or more fixed expensed listed	One fixed expense listed	No fixed expense stated
Variable expenses listed	2	2 or more variable expensed listed	One variable expense listed	No variable expense stated
Total for income and expenses calculated	2	Both totals for income & expenses calculated	One total	no totals calculated

(8) TL2

Marking Guidelines

Ques	Expected Answer	Explanation	TL
1.1	As per learners' findings ✓✓A	2A	L1 2
1.2	2023 Total: R495.90 ✓A 2024 Total: As per learners' findings. ✓A	2A	L1 2
1.3	<i>Percentage change:</i> $= \frac{(2024 \text{ total} - R495.90)}{R495.90} \times 100 \text{ ✓MCA} \times 100 \text{ ✓M}$ $= \text{___} \% \text{ ✓CA}$	1MCA substitution from 1.2 1M concept of % 1CA answer	L2 3
1.4	Increase or decrease or no change ✓✓O	2 O Accept inflation or deflation	L2 2
1.5	2 Marks for each valid/reasonable explanation	4O	L2 4
2.1	Prevent overspending ✓✓O Or Prioritise essential items	2O	L1 2
2.2	As per learner's budget statement ✓✓A	2A	L1 2
2.4	As per learner's budget statement: $= \frac{\text{Largest Expense}}{\text{Total Income}} \times 100 \text{ ✓M}$ $= \text{___} \% \text{ ✓CA}$	1M $\frac{\text{Largest Expense}}{\text{Total Income}} \times 100$ 1 CA	L2 2
2.5	2024 price of bread $\times 104.5\%$ ✓✓ $= 2025 \text{ price of bread} \text{ ✓}$ 2025 price of bread $\times 104.5\%$ ✓✓ $= 2023 \text{ price of bread} \text{ ✓}$	2 MA 1A 2MCA 1CA	(6) L3

QUESTION 3			
Ques	Expected Answer	Explanation	TL
3.1	Tax Rebate is a tax discount that SARS gives to taxpayers based on their age. ✓✓ D	2A Correct definition	L1 2
3.2	Annual taxable income $= R21\,658 \times 12 = R259\,896$ ✓MA Tax = $R42\,678 + 26\%(259\,896 - R237\,100)$ ✓ $= R42\,678 + 26\%(R22\,796)$ $= R42\,678 + R5\,926.96$ $= R48\,604.96$ ✓ Less Rebate = $R48\,604.96 - R17\,235$ ✓M $= R31\,369.96$ Monthly tax = $R31\,369.96 \div 12$ ✓M $= R2\,314.16$ ✓	1MA Multiplying 1MCA Correct tax bracket 1CA Correct Answer 1M subtracting rebate 1M dividing 1CA correct answer	L3 6
3.3	$R17750$ ✓M ÷ 18% ✓M $= R95\,750$ The tax threshold is correct. ✓J	M Identifying the rebate M dividing by 18% 1J justification	L4 3

TOTAL: 50

DURATION: _____

TERM: ONE

MAX. MARKS: 50

QUESTION	MARK	TOPICS					LEVELS			
		FINANCE	MEASUREMENT	MAPS AND PLANS	DATA HANDLING	PROBABILITY	TAXONOMY LEVEL 1 30% ($\pm 5\%$)	TAXONOMY LEVEL 2 30% ($\pm 5\%$)	TAXONOMY LEVEL 3 20% ($\pm 5\%$)	TAXONOMY LEVEL 4 10% ($\pm 5\%$)
ANNEXURE A		6						6		
ANNEXURE B		8					8			
1.1		2					2			
1.2		2					2			
1.3		3						3		
1.4		2						2		
1.5		4								4
2.1		2					2			
2.2		2						2		
2.3		6							6	
2.4		2						2		
3.1		2					2			
3.2		6							6	
3.3		3								3
Total							16	15	12	7
Weighting										
%							32	30	24	14

EDUCATOR_____
DATE_____
MODERATOR_____
DATE