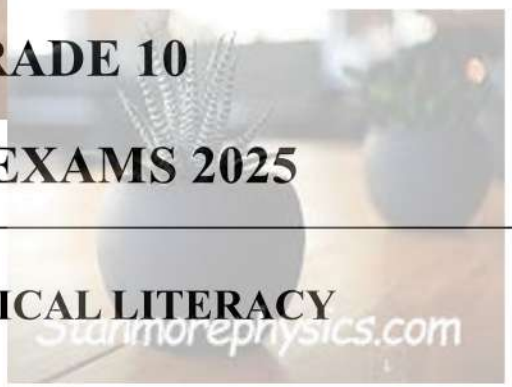
Province of the
EASTERN CAPE
EDUCATION

# O.R. TAMBO COASTAL DISTRICT




# GRADE 10

# FINAL EXAMS 2025




## MATHEMATICAL LITERACY

## PAPER 1

**DATE: 28 /10/2025**
**MARKS: 75**
**DURATION: 1hour 30minutes**

**This question paper consists of 8 pages including Cover page**

INSTRUCTIONS AND INFORMATION TO LEARNERS

Read the following instructions carefully before answering the questions.

1. Answer ALL the questions.

2. Number the answers correctly according to the numbering system used in this question paper.




3. An approved calculator (non-programmable and non-graphical) may be used, unless stated otherwise.

4. Diagrams have not been drawn to scale, unless stated otherwise.

5. Round off ALL the final answers according to the context used, unless stated otherwise.

6. Indicate units of measurement, where applicable.

7. Start EACH question on a NEW page.

8. Show ALL calculations clearly.

9. Write neatly and legibly.

## QUESTION 1(18)

Mr Mpoba is a Grade 10 teacher. He decided to have one big party to celebrate all the learners in his class register for birthdays.
Given below is the till slip she received after doing some of the shopping for the party.
Study the till slip and answer the questions that follow.

**Pick n Pay**

Cashier: Mihlali

| | |
|---|---|
| HAMBURGER BUNS (6 each) | |
| 8 @ 10.99 | (1.1.2) |
| FRUIT JELLYBEANS | |
| 5 @ 25.00 | 125.00 |
| MAYNARDS WINE GUM ROLL | |
| 20 @ 7.99 | 159.80 |
| TOMATOES 1KG | 17.99 # |
| SIMBA CHIPS | |
| 10 @ 15.00 | 150.00 |
| CRISP LETTUCE | |
| 4 @ 12.99 | 51.96 # |
| LARGE CARRIER BAG | |
| 3 @ 0.50 | 1.50 |
| DAIRY MILK OREO SLAB 120 g | |
| 10 @ 25.99 | 259.90 |
| COKE LIGHT 2L | |
| 10 @ 16.49 | 164.90 |
| DUE VAT INCL | 1 018.97 |
| ----------TENDER---------- | |
| MASTERCARD | 1 018.97 |
| 6423222 | |
| TOTAL ITEMS: | 71 |
| ----------TAX INVOICE---------- | |
| TAXABLE VAL | VAT VAL |
| VAT INCL | 1 018.97 123.79 |
| # ZERO-RATED | 69.95 |
| ----------VAT REG NO. 4090105588--------- | |
| *16364 3305 103923 7 | 24.02.2020 18:54 |

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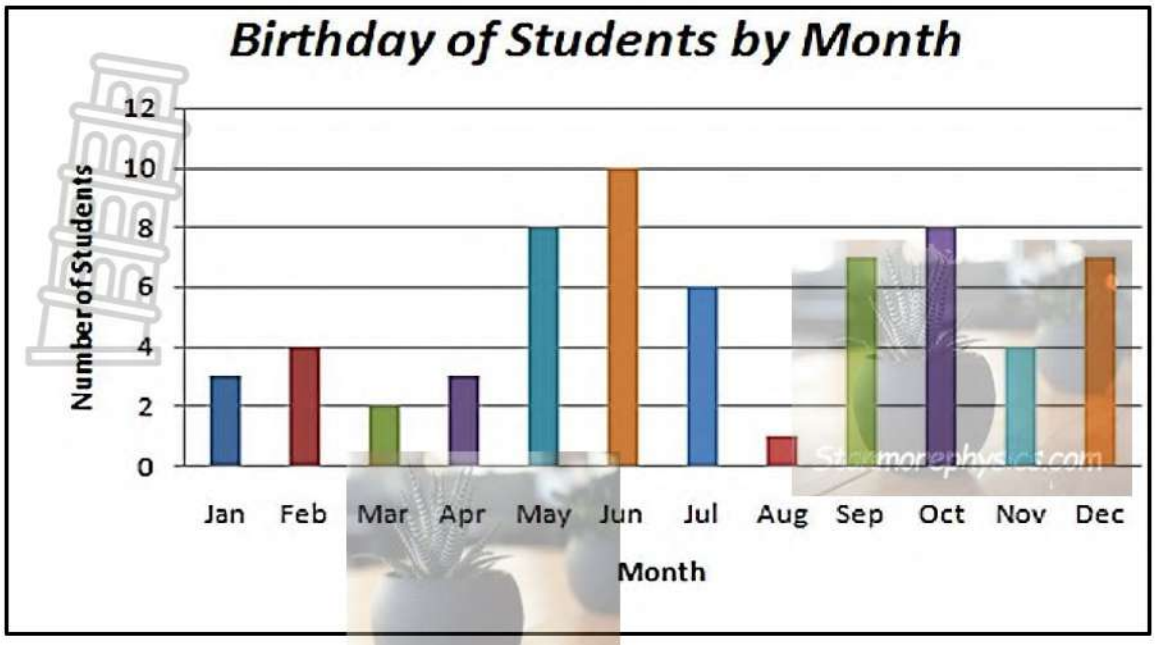
1.1.1 What is the meaning of the hashtag symbol (#) that is found next to certain prices? (2)

1.1.2 Calculate the total cost of the hamburger buns. (2)

1.1.3 Write the cost of one bag of jelly beans as a ratio to the cost of one bag of chips. Give your answer as a simplified ratio. (2)

1.1.4 Show how the VAT amount of R123,79 has been calculated. (3)

1.2 Mrs Magadi decided to display the birthdays of every child that she teaches in a graph. Study the graph given below and answer the questions that follow.




1.2.1 Name the type of graph that Mrs Magadi used. (2)

1.2.2 How many learners does Mrs Magadi teach in total? (2)

1.2.3 Write down the month(s) in which the second-most birthdays are celebrated. (2)

1.2.4 Determine a probability of randomly selecting a month less than 4 students as a decimal and round your answer to two decimal places (3) **(18)**

## QUESTION 2 (24)

Mavis is a third year college student. She receives R3 800 from her parents as a monthly allowance. She is also working at the supermarket on weekends and receives a monthly salary of R1 800.TABLE 1 below shows Mavis budget.

**TABLE 1: MAVIS BUDGET**

| **INCOME** | | **EXPENDITURE** | |
|---|---|---|---|
| Allowance | R3 800 | Rent | R1500 |
| Salary | R1 800 | Food | R1 700 |
| | | Clothes | R300 |
| | | Entertainment | R250 |
| | | Others | R700 |
| **Total** | | | **R4 450** |

Use the table to answer the questions that follow.

2.1.1 How much does Mavis spend for entertainment? (2)

2.1.2 List Mavis's expenses as either variable or fixed expenses and provide a total for each category. (7)

2.1.3 Calculate her total monthly income. (2)

2.1.4 Calculate the rent as a percentage of the total expenditure. (2)

2.2

Mr. Sibiya compared the water tariffs of his own town to that of Port St Johns. He got the following water tariffs for Port St Johns for the 2024/2025 book year.

**TABLE 1: WATER TARIFF FOR MR SIBIYA FOR 2023/2024**

| CONSUMPTION | TARIFF IN RANDS (VAT INCLUDED) |
|---|---|
| 0 kl – 6 kl | R27,80 |
| 6 kl – 20 kl | R34,06 |
| 20 kl – 50 kl | R35,14 |
| 50 kl – 100 kl | R36,34 |
| 100 kl – 200 kl | R38,34 |
| 200 kl – 300 kl | R40,62 |
| 300 kl + | R51,16 |

Adapted from: https://www.matlosana.gov.za

Use the information above to answer the questions that follow.

2.2.1 Define the term tariff ? (2)

2.2.2 Write VAT in full (2)

2.2.3 What is the current VAT % in South Africa? (2)

2.2.4 Mr Sibiya claims that 18 kl of water will cost more than R550 for 2024/2025. Verify, by calculating the cost of 18 kl, if his statement is CORRECT. (5)

**(24)**

**QUESTION 3 (15)**

3.1 Study TABLE 1 below regarding bank fees at FNB Bank and answer the questions that follow.

**TABLE 1: BANK FEES FOR FNB BANK ACCOUNT**

| FNB Bank Account Fees | |
|---|---|
| Monthly Account Fee | R65,00 |
| Cellphone banking | R0,00 |
| Cash Withdrawals (FNB Bank ATM)<br>First R1 500<br>More than R1 500 | <br>R0,00<br>R12,00 + R1,20 per R100 (or part thereof) |
| Cash Withdrawals (Other bank ATM) | R15,00 |

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3.1.1 What is the monthly fee of having this account? (2)

3.1.2 Endinako withdraws R1 700 at a FNB Bank ATM. Calculate what this withdrawal will cost her. (3)

3 .1.3 Endinako had to transfer R500 to her mother's account. She decided to use her cellphone banking to do this. How much did this transaction cost her? (2)

3.2

3.2.1 Differentiate between interest and interest rate (4)

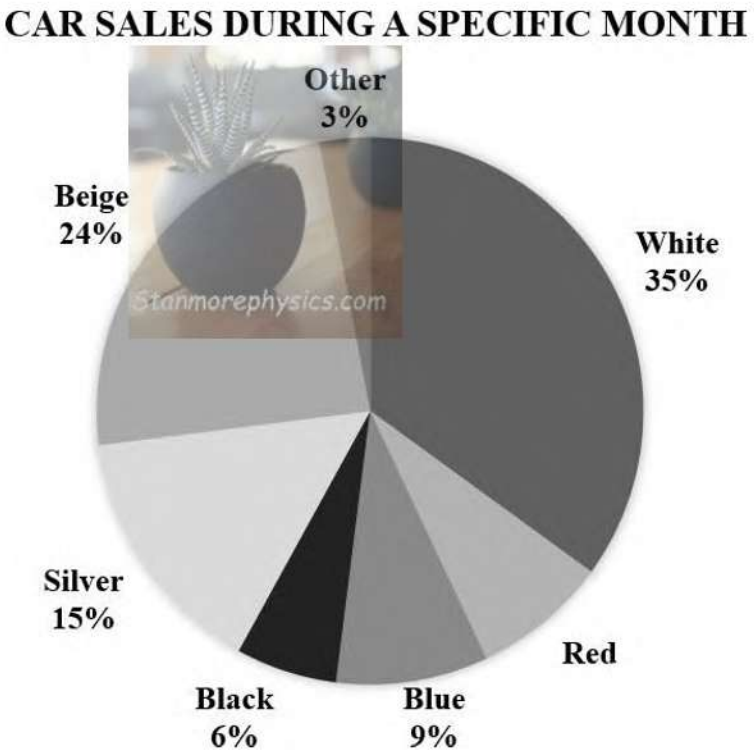
3.2.2 Endinako invests R2 000 into a fixed deposit account, for a period of two years. The bank offers her simple interest at a rate of 9,5% p.a. Calculate the value of her investment after two years. (4)

**(15)**

**QUESTION 4 (18)**

4.1 Mr. Bernard planned to buy a new car. He is uncertain about the colour and the model of the car. He decided to do some research before he makes a decision.

He came across the following chart that showed the different colour cars sold in the previous month.




Use the information above to answer the questions that follow.

4.1.1 Name the type of chart shown above. (2)

4.1.2 State weather the above data is categorical or numerical. (2)

4.1.3 Calculate the percentage of red cars. (3)

4.1.4 During this specific month, 350 cars were sold.

Calculate the number of beige cars sold. (2)

4.1.5 Mr. Bernard claims that a white car doesn't attract dirt easily.

Give another valid reason why a white car might be a better option to buy. (2)

4.2 Mr. Bernard came across the different lengths of cars in South Africa.

The different lengths, in metres, are as follow:

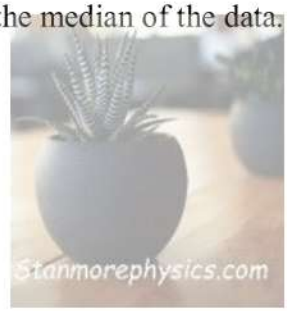
| | | | | | |
|---|---|---|---|---|---|
| 4,1 | 4,3 | 5,8 | 4,1 | 2,9 | 5,1 |
| 3,6 | 2,5 | 4,7 | 4,4 | 4,2 | 5,0 |

Use the information given above to answer the questions that follow.

4.2.1 Calculate the mean length of the given data in the set. (3)

4.2.2 Calculate the median of the data. (4)

**[18]**




**TOTAL MARK (75)**