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MPUMALANGA PROVINCE
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE



BOHLABELA DISTRICT

MATHEMATICAL LITERACY
GRADE 10
CONTROLLED TEST
MARCH 2025

MARKS: 50

TIME: 1 HOUR

These question paper consists of 7 pages including the answer sheet.

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INSTRUCTIONS AND INFORMATION

1. This question paper consists of THREE questions. Answer ALL the questions.
2. Number your answers correctly according to the numbering system used in this question paper.
3. Use the attached ANSWER SHEET to answer QUESTION 2.1.5
4. Write your name and grade in the spaces provided on the ANSWER SHEET and hand in with your Script
5. Start EACH question on a NEW page.
6. You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.
7. Show ALL calculations clearly.
8. Round off ALL final answers to TWO decimal places, unless stated otherwise.
9. Indicate units of measurement, where applicable.
10. Diagrams are NOT necessarily drawn to scale, unless stated otherwise.
11. Write neatly and legibly.

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QUESTION 1

1.1 Karabo is planning a small family gathering this weekend and needs to buy a few essential grocery items. She notices a special sale on line. The picture below shows the items on special.



https://my-catalogue.co.za/woolworths-specials

Use the information above to answer the questions that follow.

1.1.1 Which media platform was used to advertise the sale? (2)

1.1.2 Karabo buys 2 packs of 2kg Tastic Rice,1 Nescafe Ricoffy 750g and 1 Nescafé Classic 200g. Calculate the total cost of the items. (3)

1.1.3 Write down the cost of Nescafe Classic 200g in words. (2)

1.1.4 Calculate the percentage discount received on Nescafé Ricoffy 750g. (3)

1.2 TABLE 1 below shows the cost rates Karabo's mother saw for the price of potatoes from two supermarkets.

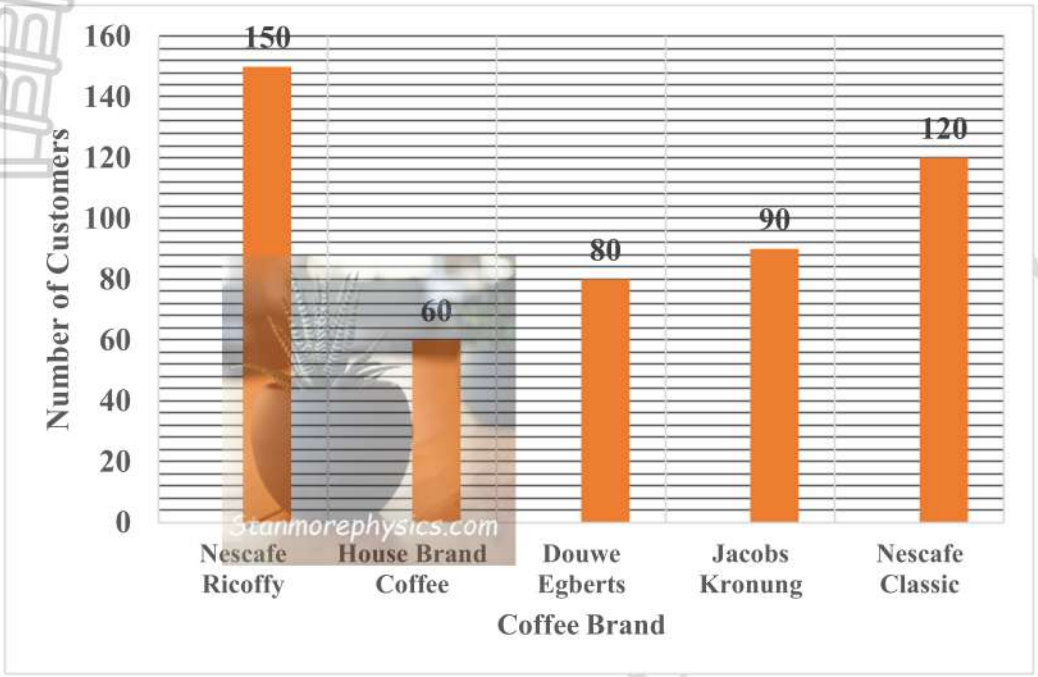
TABLE 1: COST RATES

Supermarket A	**Supermarket B**
R20 per 4,5kg	1.8kg packet per R8

Show by calculations that the cost per kg is R4.44 for both supermarkets. (3)

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1.3 A local supermarket conducted a survey on customer preferences for different coffee brands over a month. The results were recorded and presented in a bar graph showing the number of customers who purchased each brand.



www.education.gov.za

Use the information above to answer the following questions

1.3.1 Identify the type of a graph shown above. (2)

1.3.2 Identify the coffee brand that had the highest number of sales? (2)

1.3.3 If a total of 500 customers participated in the survey, write down the number of customers that represent the sample space. (2)

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QUESTION 2

2.1 Mandla earns R60 per hour at a part-time job. Below is the table showing the number of hours he worked.

TABLE 2:

No. of hours worked (n)	1	2	3	5	8	10
Salary earned (R)	60	120	**A**	300	480	600

Use the table above to answer the questions that follow.

2.1.1 Complete the table by calculating the value of A. (2)

2.1.2 Identify the independent variable. (2)

2.1.3 What happens to Mandla's earnings when he works more hours? (2)

2.1.4 Write down the equation that represents this relationship in the form : **Salary (R) =** (2)

2.1.5 Use the provided answer sheet to draw the graph that represents the information given in TABLE 2 above. (4)

Stanmorephysics.com

2.2 A bakery supplies fresh bread and muffins to a local supermarket. The items are packed in different units of measurement:

- Bread loaves are sold in packs 12.
- Muffins are sold in boxes of 24

The bakery receives an order from the supermarket for:

- $5\frac{1}{2}$ dozen bread loaves
- 2 boxes of muffins

Use the information above to answer the questions that follow.

2.2.1 Convert the bakery order into actual item counts for bread loaves and muffins**.** (5)

2.2.2 If Each loaf requires ½ kg of flour and the flour costs R12 per kg, the baker claims that the total flour cost for the bread order will be R396, 00. Verify, through calculations whether his claim is correct. (3)

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QUESTION 3

Mr Mashego wants to select boys who will represent the school in the 7km trial runs. He asked two best learners to record their finishing times during training. TABLE 3 below shows their times taken during their 7km trial run.

TABLE 3: TIME TAKEN FOR A 7KM TRIAL RUN

Phetolo 's time(in m)	35	32	31	32	32	31	30	29	32	30
Kondile's time(in m)	30	31	32	33	33	34	34	35	35	35

Use TABLE 3 and the information above to answer the questions that follow.

3.1 State whether the given data is Numerical or Categorical. (2)

3.2 Identify the mode of time recorded by Kondile. (2)

3.3 Identify Phetolo's median time. (3)

3.4 Kondile states that his mean time was less than 33. Verify, whether his statement is correct. (4)

[11]

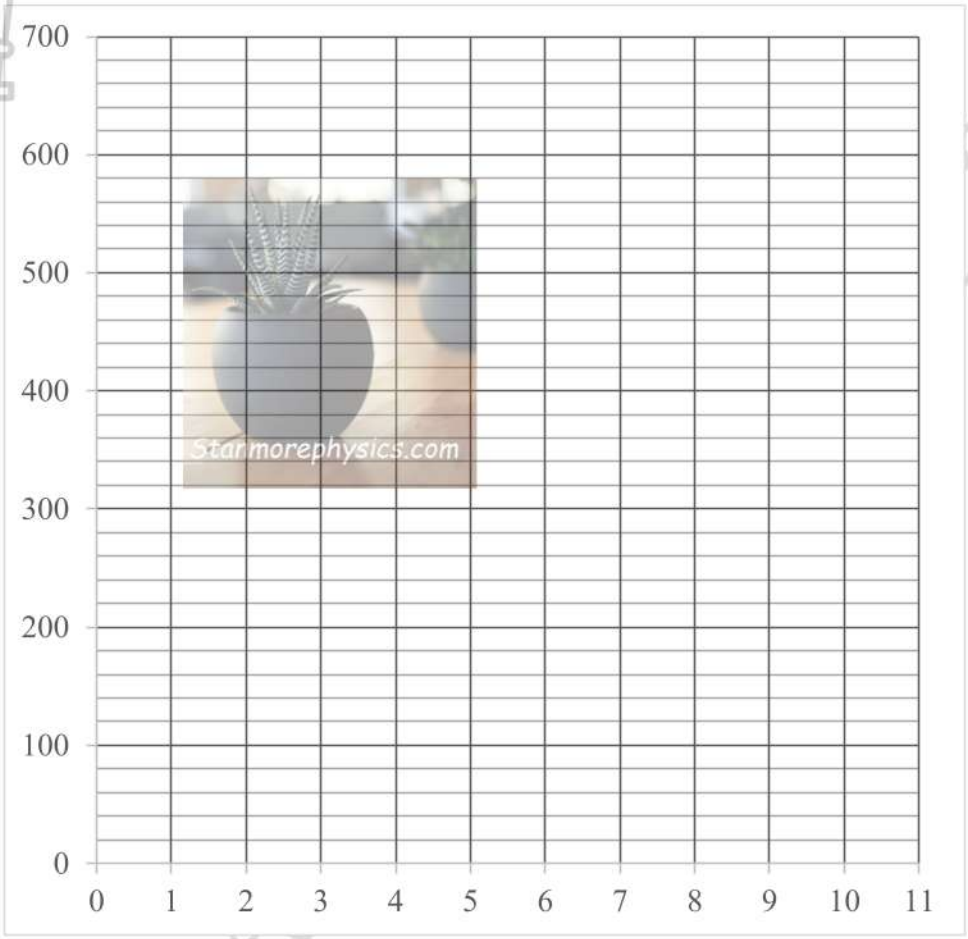
TOTAL: 50

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QUESTION 2.1.5

NAME:_____ **GRADE:**_____



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