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Province of the
EASTERN CAPE
EDUCATION

O.R TAMBO
INLAND DISTRICT

GRADE 10

MATHEMATICAL LITERACY PAPER 1

PRE EXAMINATION

JUNE 2023

MARKS: 50

TIME: 1 HOUR

This question paper consists of 6 pages.

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INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions. Answer ALL questions.
2. Number the answers correctly according to the numbering system used in this question paper.
3. You may use an approved calculator (non-programmable and nongraphical), unless stated otherwise
4. Show ALL the calculations clearly.
5. Round off ALL final answers appropriately according to the context, unless stated otherwise
6. Indicate units of measurement, where applicable
7. Diagrams are NOT necessarily drawn to scale
8. Write neatly and legibly.

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QUESTION 1

The Nelson Mandela Foundation awarded R54064756 to the orphanage homes for developments.



Use the above information to answer questions that follow

1.1.1 Rewrite R54064756 with the appropriate thousand separator spaces. (2)

1.1.2 Express the answer in question 1.1.1 in words (2)

1.1.3 The three homes X, Y and Z share the money in a ratio 3:2:1 respectively, calculate (to the nearest rand) how much each home will receive. (5)

1.1.4 Give a possible reason why one house receives more funds than others? (2)

1.2 A price of an electric toaster was R199,95 the previous year and has increased to R219,00.

Verify by means of a calculation that the percentage increase of a toaster is 9,53%.

You may use: $\%\ increase = \frac{New\ Price - Old\ Price}{Old\ Price} \times 100$

(3)

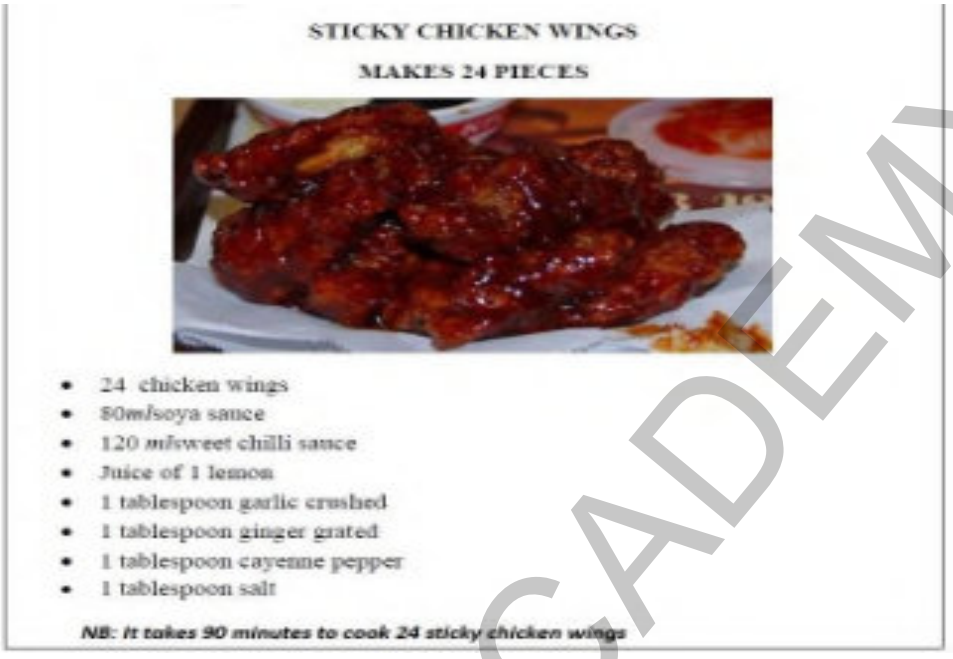
[14]

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QUESTION 2

Pule saw this recipe from the Light October 2020 Magazine and decided to cook it for his family



Use the above information to answer questions that follow.

2.1 Write a ratio of soya sauce to sweet chilli sauce in a simplified form. (2)

2.2 Pule bought a 750*ml* bottle of sweet chilli sauce.

2.2.1 How many teaspoons of sweet chilli sauce did Pule use in his recipe? (1 teaspoon = 5*ml*) (3)

2.2.2 What percentage of sweet chilli sauce is used from the whole bottle? (2)

2.2.3 Pule claims that it will take 4,5 hours to cook 72 sticky chicken wings. If 24 sticky chicken wings can be cooked in 90 minutes, verify by means of a calculation that his claim is correct. (3)

[10]

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QUESTION 3

3.1 Below is the water tariff for the Rosehill municipality:

Category	Charge/kl
0 - 6 kl	R0.00
>6 -12kl	R8.82
>12- 20kl	R10.15
>20 - 30kl	R12.18

If a household in Rosehill Municipal area uses 25kl of water in a month, calculate the cost of water for that month.

(4)

3.2 At some clothing and food stores, it is possible to open an account, buy goods on credit and pay off what you owe the store monthly.

Bulelwa has an Edgars store account, study the account statement given and answer the questions that follow

3.2.1 How much must she pay on her account? (2)

3.2.2 When is this account due? (2)

3.2.3 Show how the balance of R452.42 was calculated. (2)

3.2.4 What is the difference between "credit available" and "credit limit"? (2)

3.2.5 The Edgars introduced a discount of 12,5% if the account is cleared before due date. Calculate how much will she pay if she decides to clear her account on the 1st of May.

(3)

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Edgars Boardmans Prato TEMPTATIONS

MISS BN DUBE
25 HARRINGTON HOUSE
BEACH RD
PORT ELIZABETH

7450

CREDIT AVAILABLE
3307.00

Date:
07/05/12
Account Number:
4056747070001001001

STATEMENT

DATE	REF NO:	DETAILS	AMOUNT	BALANCE
		OPENING STATEMENT BALANCE		692.42
25/04/12		ATM PAYMENT	240.00-	452.42
		6 MONTHS PLAN		
24/04/12		PURCHASE EDG WALMER PARK	99.95	552.37
25/04/12		PURCHASE EDG WALMER PARK	190.00	742.37
		CLOSING STATEMENT BALANCE		742.37

MISS BN DUBE
4056747070001001001
Instalment: 240.00
Overdue: 0.00
Total Due: 240.00
Due Date: 01/06/12
Amount Enclosed:

PNB BRANCH CODE 251105
ACCOUNT NUMBER 004011401440

PLEASE NOTE: Even if you don't receive a statement every month, you must pay Total Due to avoid late payment charges.

CREDIT LIMIT
You now have: 4048
You qualify for:

For credit limit increases, account enquiries and address or telephone number changes call:

0800 112 442
061 225 432
0800 133 268

Office Hours:
Mon-Wed 08:00 - 18:00
Thur 08:00 - 19:00
Fri 08:00 - 21:00
Sat 08:00 - 18:00
Sun & Public Hol 09:00 - 17:00

FROM 9 MAY 2012, THE PREMIUM ON YOUR EDGARS ACCOUNT PROTECTION PLAN AND/OR ACCOUNT PARTNER PROTECTION PLAN WILL INCREASE FROM 33 CENTS PER 100.00 TO 33 CENTS PER 100.00. FOR FURTHER INFORMATION CALL 0800 112 442.

QUESTION 4

The data below shows the number of hours in a week twenty-five teenagers spent watching TV. Their times, correct to the nearest hour, were:

17	14	18	19	12	6	15	13	12	10	11	16	10
15	30	22	7	12	24	5	25	8	9	16	27	

4.1 Arrange the above data set in ascending order. (2)

4.2 Determine the mode for the above data set. (2)

4.3 Define the term *median*. (2)

4.4 Calculate the range for the above data set. (2)

4.5 The educator stated that learners spent more than 15 hours on average watching TV. Verify whether the statement is correct. (3)

[11]

GRAND TOTAL: 50

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