



MIANGA CATH. PRIMARY SCHOOL

2022 STANDARD 8 END OF TERM 1 EXAMINATIONS

MATHEMATICS

(100 MARKS)

Thursday, 3rd March

Time Allowed : 2hours
08:30 – 10:30am

Name of Candidate : _____
(Surname first)

Instructions

- 1. This paper contains 6 pages. Please check.**
- Write your name on the space provided on top of this page.
- This paper consist of two sections A and B, you are expected to answer all the questions.
- Answer questions in section A, by encircling the letter that represent the correct answer and in section B show all your workings in spaces provided on each and every question.
- 5. IMPORTANT**
 - In the table provided on this page, tick against the question number you have answered.
 - Make sure you have written your name and you have hand in your filled in question paper when time is to stop writing.

Question number	Tick if answered	Do not write in these columns	
1_20			
21			
22			
23			
24			
25			
26			

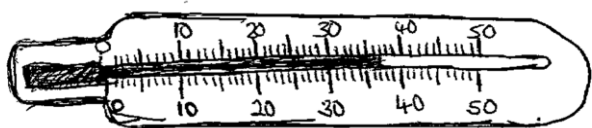


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SECTION B : 40 MARKS

- Which of the following Roman numerals has been arranged correctly in an descending order?
 - XX, XVIII, XIV, VI, V, III,
 - XVIII, XIV, XX, VI, V, III
 - III, V, VI, XIV, XVIII, XX
 - III, V, VI, XIV, XXX, XXIV
- If a girl received a commission of k 2.75 for every ten trays of eggs she sold. How much commission did she received if she sold 250 trays of eggs?
 - K27.5
 - K23.50
 - k4412500
 - k 27 500
- Mary is X years. If Maria is 9 years older than Mary and the sum of their ages is 27. Find their ages.
 - 18
 - 21
 - 3
 - 4
- Alinafe ate $\frac{1}{2}$ of $\frac{3}{4}$ of a loaf of bread. What fraction of the whole loaf did she ate?
 - $\frac{3}{8}$
 - $\frac{3}{9}$
 - $\frac{5}{6}$
 - $\frac{3}{6}$

Figure 1 is an instrument used for measuring temperature. Study it and use it to answer question 5 and 6



- What is the temperature recorded from the thermometer above from a certain person.
 - 30 °C
 - 34 °C
 - 37 °C
 - 40 °C
- If another patient is measured and the temperature rise to 40 °C. what is the difference between temperature?
 - 3 °C
 - 34 °C
 - 37 °C
 - 40 °C

- A car travels at a steady speed. It covers 200km in 4hours. At what speed is it travelling?
 - 200km
 - 40km/hr
 - 50km/hr
 - 50km
- Calculate the area of a triangle whose base is 22 cm and its height is 12cm
 - 264cm²
 - 2.64cm²
 - 132cm²
 - 1.32cm²
- Find the missing numbers in the following pattern 1, 8, 64, _____ 7929856
 - 512
 - 2816
 - 8
 - 72
- Which of the following is the lowest common multiple of 6, 14 and 10
 - 840
 - 214
 - 10
 - 280
- A fish vendor sold a unit of chambo at k275, per fish, if a total loss of k125 was made after selling the unit. Find the total cost of the unit of chambo?
 - K2750
 - K2625
 - k125
 - k2620
- What is **sixty eight million two hundred and one thousand and one** in figures?
 - 68201101
 - 68200101
 - 68201001
 - 68200001
- What is 2472 to the nearest thousand
 - 2000
 - 2500
 - 2400
 - 3000

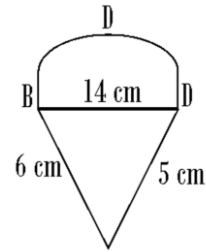
Figure 2 is a trapezium ABCD in which AB = 4.4cm and DC = 12.6cm, use it to answer questions 14 and 15



- Which two side are parallel ton each other?
 - AB and AD
 - AB and DC
 - BC and AD
 - DC and AD

15. Find the sum of two parallel lines and correct it to the nearest whole number.
- A. 17.01 C. 17.002
 B. 17 D. 17.45
16. The volume of a tank is 60m^3 . If the tank is 5m long and 3m high, find its width.
- A. 15m C. 900m
 B. 4m D. 300m
17. Temwa had M oranges, if she gave 8 oranges to Upile, and 11 oranges to Chingolopiyo, she remained with 34 oranges. How many oranges did Temwa have?
- A. 19 C. 15
 B. 54 D. 1.5

Figure 3 below is a composite figure. Use it to answer question 18



18. Find the perimeter of the figure above
- A. 33cm C. 22cm
 B. 154cm D. 44cm
19. Increase 50 by 20%
- A. 120 C. 50
 B. 61 D. 60
20. If 20 girls can do a piece of work in 120hours, how long would it take 25 girls working at the same rate to do the same piece of work?
- A. 97 hours C. 96 hours
 B. 94 hours D. 122 hours

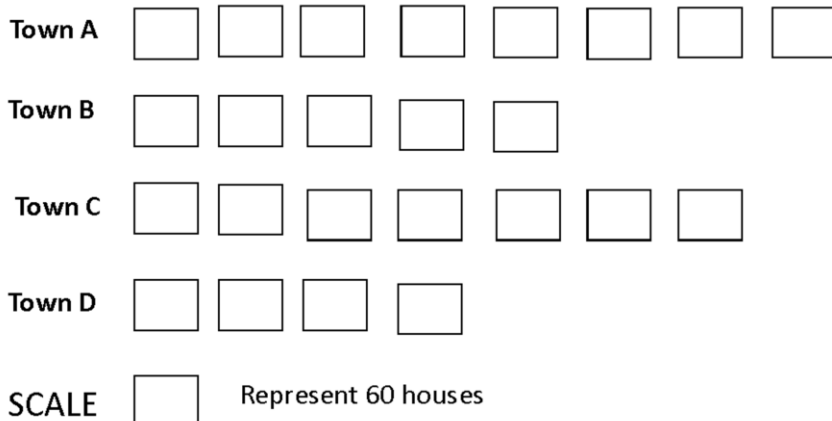
SECTION B : 60 MARKS

Answer all the questions in the spaces provided

21. (a) Simplify $0.85 \times 61.84 + 1.751$

(4 marks)

The graph below shows the total number of houses in four towns. Use it to answer questions that follow



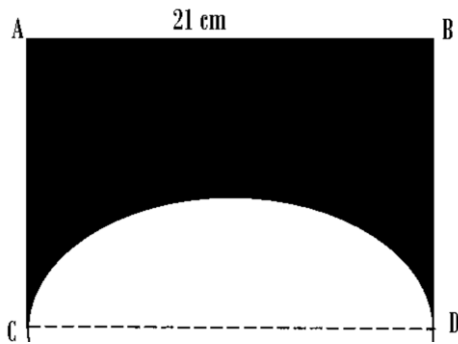
(b) Find the total number of houses in town C?

(4 marks)

(c) By how much town A is differ in terms of houses than town D?

(4 marks)

Figure 4 below comprised of a semi-circle. Use it to answer the following questions



22. (a) Find the area of the shaded part?

(6 marks)

(b) The sum of ages of Mary, John and Malita is 99. If the age of Mary is 9 and 33 for John. What is the age of Malita.

(4 marks)

23. (a) Simplify $\frac{2}{3}$ of $2\frac{1}{3} + [7\frac{4}{7} \div 26\frac{1}{2}]$

(6marks)

(b) $2g + 7g - 16m + m + 17m$

(4 marks)

24. (a) Find the total bill a man would pay after buying 4kgs of mangoes at k50per kg, 6kgs of potatoes at k210 per kg, 2 chickens at k560 each and 3 bottles of source at k480 per bottle of source.

(6 marks)

(b) How much change would he get after paying k5000?

(2 marks)

Table below show s masses of rice and their costs

Mass (kgs)	1	2	3	4
Cost in (k)	450	900	1350	1800

25. (a) using a scale of 2cm to represent 1 kg on horizontal axis and 2cm to represent k450 on vertical axis.
Draw a line graph.

(6 marks)

(b) using the graph find the;

i. Cost of $1\frac{1}{2}$ kg of rice

(4 marks)

ii. Mass of rice if the cost is k1575

(4 marks)

26. (a) A business man bought a land cruiser car at k259000 and later after 2 years he sold it k 201 000.

(a) Find the loss he made ?

(3 marks)

(b) Find the loss percent?

(3 marks)