MKUKULA ZONE EXAMINATION BOARD

2024 - 2025 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

STANDARD 8

MATHEMATICS

(100 MARKS)

Subject number: P131

Time allowed: 2 hr

Date: ____/_____/ 2025

NAME OF CANDIDATE: _____
(Surname first)

NAME OF SCHOOL: _____

Instructions

1. This paper contains 6 **pages** please check.
2. Write your **examination number** on each page of this page.
3. This paper has two sections **A** and **B.**
4. In section **B** you are required to show all your working.
5. The use of electronic calculators is **not** allowed
6. Follow instructions for each section Carefully.

Important

7. Please make sure you have written your **name** and **examination number** in the spaces provided.
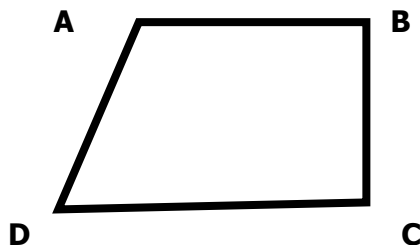8. Hand in your question paper to the invigilators when the time is called to stop writing.

Question Number	Tick question if answered	Do not write in these columns	
1 -20	████████		
21			
22			
23			
24			
25			
26			
27			

SECTION A. (40 marks)
Multiple choice
*Encircle later **A,B, C** or **D** that represent correct answer of your choice.*

1. From what number must 6489 be subtracted to give 654
   a. 533
   b. 7033
   c. 6835
   d. 7143

2. Which of the following is the arrangement of fraction starting with the biggest
   a. $^2/_3$, $^3/_4$, $^3/_5$
   b. $^3/_5$, $^3/_4$, $^2/_3$
   c. $^3/_4$, $^2/_3$, $^3/_5$
   d. $^3/_5$, $^2/_3$, $^3/_4$

3. What is **MCXXV**
   a. 11115
   b. 1115
   c. 1125
   d. 175

4. Jane scored 19 out of 25 and Dorothy scored 14 out of 25 marks in an English test. Calculate the difference between their scores in percentage.
   a. 5%
   b. 56%
   c. 20%
   d. 76%

5. By selling a chicken for K1700 a farmer made a loss of 15t in every kwacha. Find the price
   a. K225
   b. K1,955
   c. K1,455
   d. K2,000

6. Figure 1 shows a trapezium **ABCD**

   Which two sides are parallel to each other?
   a. **AB** and **DC**
   b. **AB** and **AD**
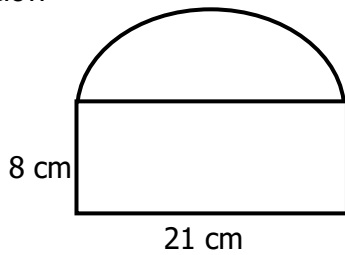   c. **BC** and **DC**
   d. **BC** and **AD**

7. Bina and Chiko shared pens in the ratio 2:3 respectively. If Chiko got 18 pens, what is the total number of pens?
   a. 12
   b. 27
   c. 30
   d. 45

8. The total mass of a tin with water in it is 35.72g. if the mass of water only is 28.36g, what is the mass of the tin?
   a. 7.36g
   b. 7.46g
   c. 17.36g
   d. 62.08g

9. What is the period of 5 years called
   a. Century
   b. Decade
   c. Generation
   d. Instrum

10. A pair of trousers marked at K6,500 was sold at K5,850. What was the discount percentage
    a. 9%
    b. 10%
    c. 11%
    d. 12%

11. Table 1 shows marks and number of leaners reprented in a tally form

Marks (%)	Tally
10	III
20	HHH I
30	III
40	HHH I

   What is the mean mark?
   a. 10
   b. 25
   c. 30
   d. 40

12. Whats is the median mark?
    a. 35
    b. 40
    c. 20
    d. 25

13. The perimeter of a rectangular garden is 62m. If the length of rectangle is 17m. What is its width?
    a. 14
    b. 28
    c. 31
    d. 45

14. Calculate the perimeter of the figure below

8 cm

21 cm

   a. 58 cm
   b. 29 cm
   c. 70 cm
   d. 168 cm

15. What is the rule followed when generating the following patten:
      2, 4, 16, 96
   a. Multiply by 2
   b. Add previous number
   c. Subtract by 8
   d. Squaring it self

16. If a leaner covers a distance of 6 km to school in 1½ hrs. Find her speed.
   a. 4 hours
   b. 4 km
   c. 4 km/hr
   d. 2 km/hr

17. Calculate the simple interest on K3,200.00 for 2 years at 5% per annum

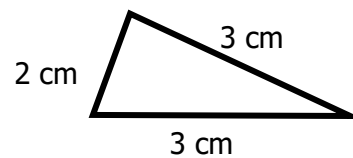   a. K340.00
   b. K640.00
   c. K320.00
   d. 230.00

18. Mike wanted to stimulate this expression into a marthematical sentence. The sum of X and 5 is less than or equal to 4. What would be the correct way?
   a. $X + 5 \leq 4$
   b. $X + 5 \geq 4$
   c. $X + 4 > 4$
   d. $X + 4 \leq 5$

19. Express 15.0951 to 3 significant figure
   a. 15.0
   b. 15.01
   c. 15.09
   d. 15.1

Figure below is a drawing of a triangle. Use it to answer question 20.

3 cm

2 cm

3 cm

20. Name the type of triangle.
   a. Equilateral
   b. Isosceles
   c. Scalene
   d. Right angled
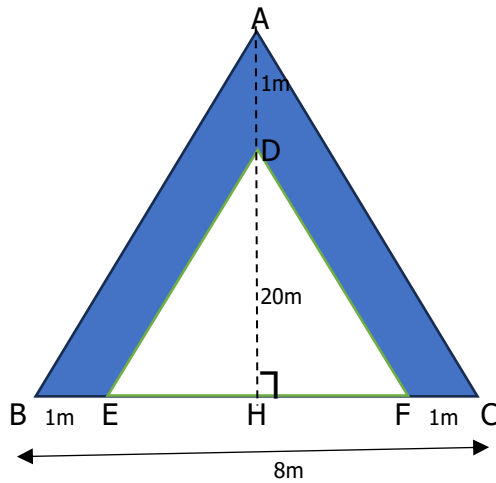
SECTION B. (60 marks)

21. a. Multiply the difference between 701.2 and 681 by 2.3. Give your answer to 1 decimal place.

(3 marks)

   b. simplify $2 \frac{2}{9} \times (3 \frac{3}{4} - 1 \frac{5}{8}) \div 1 \frac{1}{3}$

(4 marks)

22. a. The figure below shows a triangular space ABC with a flower lawn 1m wide. BC= 8cm and DH = 20 m.

Calculate the area of the lawn.

(6 marks)

b. a shirt marked K2,500 was sold for K2,250. Calculate the discount percent.

(3 marks)

23. a. The average mass of 13 bags of maize is 52.2kg. if 3 bags are sold, the average mass of remaining bags is 52.7Kg. Calculate the total mass of the three bags.

(4 marks)

b. a lady spends $^2/_5$ of her salary on food, $^1/_6$ on house rent and remaining K26,000 on clothes. Calculate her monthly salary.
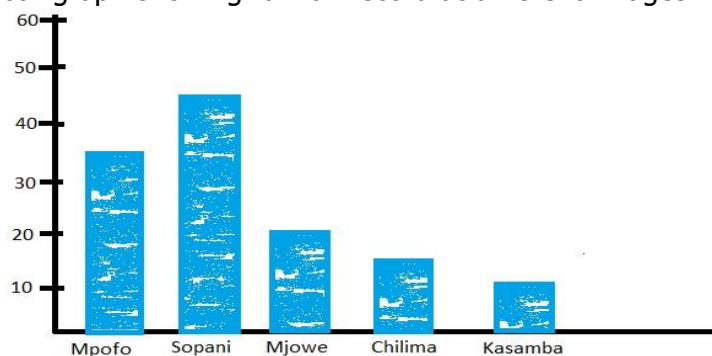
(5 marks)

24. (a). Calculate the difference between the simple interest and compound interest on K100,00 for
    2   years at 20% per annum

(6 marks)

   b. The product of two numbers is 288. One of the numbers is the difference between 11 and 2.
   Find the other number.

(4 marks)

25. Study the bar graph showing rainfall record at different villages.

   a. Find the total amount of rainfall at Chilima village.

(1 mark)

   b. What was the highest amount of rainfall recorded in 5 villages.

(1 mark)

   c. Calculate the difference between amount of rainfall at Kasamba and Mjowe village.

(2 marks)

26. (a). A farmer bought the following: 11Kgs of beef at K465 per Kg, 3 baskets of tomatoes at
    K250 per basket, 30 Kgs of sugar at K1,350 per 10Kgs, 9 bunches of nion at 175 per 3
    bunches. Calculate the total money spent?

(6 marks)

(b) A company shared K201,551.00 among its longest serving employees, Mr. Chirwa, Mrs. Moyo and Miss Dziko in the ratio of 2:3:2. Find how much each one of them received

(6 marks)

27. Prepare a cash book for Mr. Mwale and balance it.
    1 June, 2008 Mr. Mwale had K3,800.00 cash at hand
    1 June, 2008 he banked K2700.00
    3 June 2008 paid cash for goods at K800.00
    8 June, 2008 received cheque worth K4,012.00
    11 June, 2008 sold goods and received a cheque of K2,191.00
    17 June, 2008 withdraw of K3,007.00 for home use
    21 June, 2008 sold goods at K1,801.00

(9 marks)

END OF QUESTION PAPER!!