MWANZA DISTRICT EXAMINATIONS BOARD

2023 STANDARD 8 PRE-MOCK EXAMINATION

MATHEMATICS

(100 marks)

Subject Number: P131
Time Allowed: 2hours
8:00 – 10:00 am

Name of Candidate: _____
(Surname First)
Name of School: _____

Instructions

1. **This paper contains 7 printed pages.**
   Please check.

2. Answer **all** questions. In Section **A**, encircle the letter corresponding to the right answer to each question. In Section **B**, write your answer in the space provided under each question.

3. There are **20** multiple choice questions in Section **A** and **7**questions in Section **B**.

4. You are provided with blank pages at the end of this question paper for rough work for Section **A**. Do **not** tear them off.

5. In Section B, you are required to show **all** your working.

6. The use of electronic calculators is **not** allowed

7. In the table provided on this page, **tick** against the question number you have answered.

8. Please make sure you have written your **examination number,** your **name** and **school name** on the question paper in the space provided

9. Hand in your examination paper to the invigilator when time is called to stop writing

Question Number	Tick Questions 21-24 if answered	Do not write in these Columns	
1-10			
11-20			
21			
22			
23			
24			
25			
26			
27			

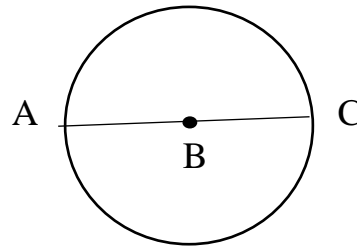**© 2023 MWANZA EDUCATION**   **Turn Over/……**

SECTION A (40 Marks)
Answer **all** questions in this section

Use the blank pages at the end of this question paper for your rough work in this section.

Encircle the letter corresponding to the right answer for each question.

1. What is 2472 to the nearest ten?
   A. 2000   C. 2470
   B. 2572   D. 3000

2. Write 199 in Roman numerals.
   A. CXCIX   C. CLXLIX
   B. LLCIX   D. CCXVIIII

3. Yotamu, Yabwata and Simbwedye, together bought a goat at K20,960. If they contributed money in the ratio 2:3:5. How much did Simbwedye pay?

   A. K6,288   C. 4,1923
   B. 10,480   D. 2,096

4. How many fortnights are there in 70 days?
   A. 4   C. 3
   B. 6   D. 5

5. Joyce scored 17 out of 25 in English while Mary scored 13 out of 25. Calculate the difference between there scores in percentage.
   A. 52%   C. 16%
   B. 68%   D. 4%

6. Simplify 548 X 37 – 19
   A. 9864   C. 566
   B. 20257   D. 9522

7. Write 9.05 as a mixed number in its lowest term:
   A. $9\frac{1}{25}$ C. $9\frac{1}{20}$

   B. $9\frac{1}{24}$ D. $9\frac{1}{5}$

8. Which of the following are the first three multiples of 3?
   A. 3, 9 and 12   C. 9, 12 and 15
   B. 6, 9 and 12   D. 3, 6 and 9

Figure 1 shows a circle with line ABC.

Figure 1

9. Name the line AB.
   A. Diameter   C. circumference
   B. Radius   D. Centre

10. Find the largest number that can divide into 48 and 66 without leaving a remainder.
    A. 2   C. 6
    B. 3   D. 12

11. A bakery sold 2 units of scones at K300 each and made a profit of K5 on each scone. What was a cost price?
    A. K295.00   C. K6000.00
    B. 3000.00   D. 5900.00

12. Yohane was selling 25 Kg of soya at K300. What was the cost of soya per Kg?
    A. K12.00   C. K4.00
    B. K25.00   D. K5.00

Table 1 shows marks and number of learners represented in a tally form. Use it to answer question 13 and 14.

Continue//………..

Marks (%)	Tally
10	II
15	IIII
20	~~IIII~~
35	III
40	I

13. How many learners sat for the exams?
A. 10   C. 20
B. 15   D. 40

14. What was the average marks?
A. 21   C. 30
B. 25   D. 35

15. what would be the result if 0.382 is multiplied by 2.1?
A. 0.8022   C. 802.2
B. 8.0220   D. 8022

16. Change the time 3: 15 to 24 hours.
A. 3:15 hours   C. 15:15 hours
B. 13:15 hours   D. 14:15 hours

17. Find the fourth number in the following number pattern.
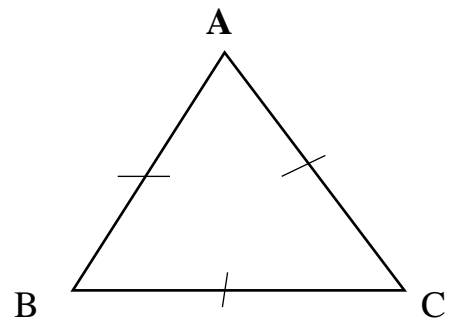560, 600, 640, _____ 720.

A. 660   C. 680
B. 700   D. 620

18. Which of the following is an equivalent fraction to $\frac{15}{35}$

A. 5/7   C. 4/5
B. 3/7   D. 3/7

19. Convert 5 Kg to g.
A. 500g   C. 1000g
B. 5000g   D. 50g

Figure 2 is a diagram of a triangle. Use it to answer question 20.

20. Name the type of the triangle ABC.
A. Scalene   C. isosceles
B. Equilateral   D. right angled

Section B (60 marks)

Answer **all** questions in this section. Write your answers in the space provided under each question. Show your working.

21. a. Divide 94 kg 15g by 5. **(5 marks)**

(b) A tank measuring 7m long, 5m wide and 4m deep is half full of water. Calculate the volume of water in the tank. **(4 marks)**
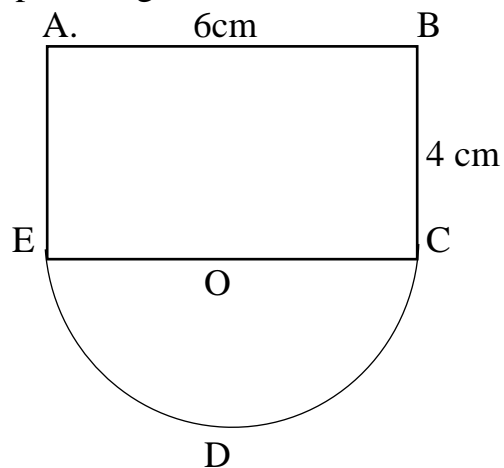
22. find the HCF of 480 and 1540 using continued division method. **(5 marks)**

23.a. Simplify $\frac{1}{25} + \frac{7}{10} \div \frac{35}{38}$ **(4 marks)**

(b) A pair of shoes marked at K14,500 was sold for K14,500 was sold for K13,299. Calculate the discount. **(3 marks)**

Figure 3 shows composite figure **ABCD**. Use it to answer **question 24**.

24.a. Calculate the area of the figure (Take $\pi = \frac{22}{7}$) **(6 marks)**

25. a. Table 2 shows a message sent by telegram.

```
FROM: JAMES
BOX 98
MWANZA
                    SEND SCHOOL FEES


TO: MR BANDA
    BOX 82
    LILONGWE
```

How much was the cost of sending the telegram at K50.00 per word?   **(3 marks)**

b. If 10 people can do the work in 30 days, how long would it take 4 people working at the same rate to do the same piece of work.   **(3 marks)**
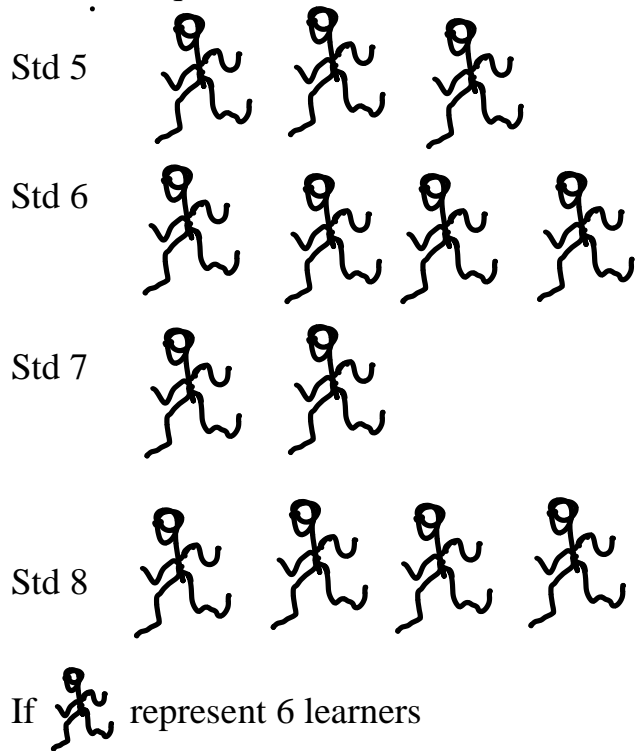
26. How long will a cyclist take to cover 171 km at a speed of 19km/hr?   **(4 marks)**

27. John borrowed K200 000 from FDH bank. If the bank charged 10% simple interest per annum, how much did John pay at the end of 24 months.   **(5 marks)**

28. a. Write six hundred and nine million, three hundred thousand, in figures   **(2 marks)**

b. Find the commission of an agent who sells air time worth K20 000.00 and receive a commission of K50.00 for every K1000 he makes.   **(3 marks)**

The picture graph below shows number of learners per class at Mwembedzi school. Use it to answer question 29.

Std 5

Std 6

Std 7

Std 8

If represent 6 learners

29. a. How many learners are in Standard 8?   **(1 marks)**

b. How many more learners are in standard 5 than in standard 7?   **(3 marks)**

c. Find the total number of learners in std 5,6,7 and 8.   **(4 Marks)**

Continued/.......

30. Nabanda`s business had the following transaction in April 2019:
1 April   balance in hand K20, 000
10 April   bought plates K15, 000
27 April   K2, 800

Prepare the cash account for Nabanda`s business and balance it at 30th April 2019.
(5 marks)

END OF QUESTION PAPER
NB: This paper contains 7 printed pages.