ZIMBO PRIMARY SCHOOL
2022 TERM I STANDARD 8 MOCK EXAMINATION

MATHEMATICS
(100 Marks)

Subject Number: P131

Wedsday, 16 February

Time allowed 2hours
8:00-10:00am

Name of candidate: _____
(Surname first)
Name of School:_____

Instructions
1.   **This paper contains 6 printed pages. Please check.**

2.   This paper has **two** sections **A** and **B**.
        Section **A** consists of **20** multiple choice questions.
3.   In section **B** you need to show your working clearly
  4.   Answer **all** questions.
5.   In the table provided on this page, **tick** against the question number you have answered

IMPORTANT
- Please make sure you have written your **name** and **examination number** on the question paper in the spaces provided
- Hand in your question paper to the invigilator when time is called to stop writing.

Question Number	Tick Question 21-30 if answered	Do not write in these columns	
1-20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

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. $\dfrac{2}{3}, \dfrac{3}{4}, \dfrac{3}{5}$
   - B. $\dfrac{3}{5}, \dfrac{3}{4}, \dfrac{2}{3}$
   - C. $\dfrac{3}{4}, \dfrac{2}{3}, \dfrac{3}{5}$
   - D. $\dfrac{3}{5}, \dfrac{2}{3}, \dfrac{3}{4}$

3. What is MCXXV in hindu Arabic numerals?
   - 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 cost price.
   - A. K225
   - B. K1955
   - C. K1455
   - D. K2000

6. Six packets of sugar can be used in 3 weeks and 3 days. How many packets will be needed in 8 days?
   - A. 2
   - B. 32
   - C. 18
   - D. 48

7. Express $\dfrac{2}{3}$ of a straight angle in degrees.
   - A. 60^0
   - B. 120^0
   - C. 90^0
   - D. 180^0

8. Which of the following are properties of a square?
   1. It has four right angles
   2. All angles add up to 180^0
   3. All sides are equal
   4. It has two parallel sides.
   - A. 1, 2 and 3
   - B. 2, 3 and 4
   - C. 1, 3 and 4
   - D. 1, 2 and 4

9. Find the area of a circle whose diameter is 28cm. Take $\pi = \dfrac{22}{7}$.
   - A. 88cm
   - B. 176cm
   - C. 56cm
   - D. 2464cm

10. A child's height is 1 meter 18 millimeters. Express the height in millimeters.
    - A. 28mm
    - B. 1018mm
    - C. 118mm
    - D. 10018mm

11. Find the side of a square whose area is $196cm^2$
    - A. 7cm
    - B. 28cm
    - C. 14cm
    - D. 49cm

12. A train is supposed to start off from Limbe at 11:58am and to reach at Makhanga at 1:49pm. If it arrived 22 minutes late, how long did the journey take?
    - A. 1hr 29min
    - B. 1hr 51min
    - C. 2hr 13min
    - D. 2hr 13min

13. Express 6 hours as a fraction of a day.
    - A. $\dfrac{1}{4}$
    - B. $\dfrac{1}{3}$
    - C. $\dfrac{1}{2}$
    - D. $\dfrac{2}{3}$

14. Find the largest numbers of people who can share equally 56 cows, 70goats and 112 chickens.
    - A. 14
    - B. 28
    - C. 7
    - D. 2

15. By what percentage should 460 be increased to give483?
    - A. 0.05%
    - B. 95%
    - C. 5%
    - D. 105%

Table shows exchange rate of some forex against Malawi kwacha.

CURRENCY	BUYING	SELLING
United states dollar	139. 10	141.89
British pound sterling	282.95	294.27

European countries	223.47	232.40

16. How much money in pounds can a Malawian buy with k1, 006, 402. 40?
    A. £342.50   C. £34.20
    B. £3420   D. £3556.82

17. What time is the clock showing?

    A. Twenty five minutes to six
    B. Twenty five minutes to seven

    C. Twenty five minutes to eight
    D. Thirty five minutes past six.

18. Tayamika bought 20 mangoes at 4 for 40t and sold them at 5 for 60t. What was her profit?
    A. 204t   C. 200t
    B. 404t   D. 40t

19. Calculate simple interest of k800 at the rate of 10% per annum for 3 months.
    A. K20   C. K24
    B. K240   D. K2000

20. When will a girl celebrate her silver jubilee birthday if she was born in 1997?
    A. 2007   C. 2022
    B. 2047   D. 2072

SECTION B (60 MARKS)

Answer all questions in this section. Write your answer in the space provided under each section. Show all your working clearly.

21. a. Simplify $5 - 3\frac{1}{8}$

(4 marks)

    b. What is the smaller share if 132 is shared in the ratio 5 : 6.

(3marks)

22. a. The circumference of a circle is 88cm. calculate its radius. Take $\pi = \frac{22}{7}$.

(5marks)

    b. What is the difference between LCM of 9,15, 25 and HCF of 344 and 473.
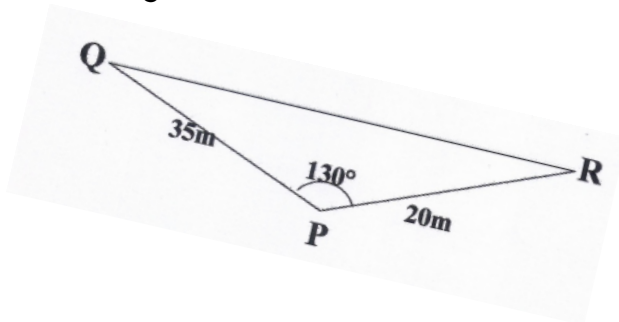
23.   a. Multiply 15hr 50mins by 5.

   b. Three taps fills a tank as follows:
   The first tap fills it in 18 hours, the second tap fills it in 9 hours and the third fills in 12 Hours. If a boy opens all the taps to fill the tank at the same time at 7:00am, When should he Come to close the tap the time the tank will be full?

(6marks)

24.   Figure below is a triangle PQR in which PQ= 35m, PR= 20m and angle QPR= 130⁰.

   a. Draw the figure accurately using a scale of 1cm representing 5meters

b. Find the actual length of QR.

25. The commission charged for sending money by fast cash money transfer is 10%. If TItani sent k20, 500 to his mother by fast cash money transfer. Calculate:

    i.   Commission paid

    ii.   Total money Titani paid at the post office.

26. Temwa sent a message by Telegram. The letter was as follows:
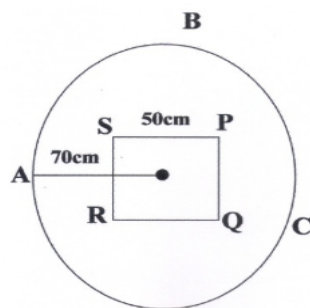
        To   : Sydney Lwayo, Box 64, Dedza. Send money for school fees.

        From : Temwa Lwayo

Find the total cost for sending this telegram if the cost for sending the message is k20 per word.

27. Figure below shows a circular top of a table ABC, centre O covered with a square cloth PQRS on it.

If the radius OA of the top of the table is 70cm and the side of the square is 50cm. Calculate area of the uncovered part of the top of the table. Take $\pi = \dfrac{22}{7}$.
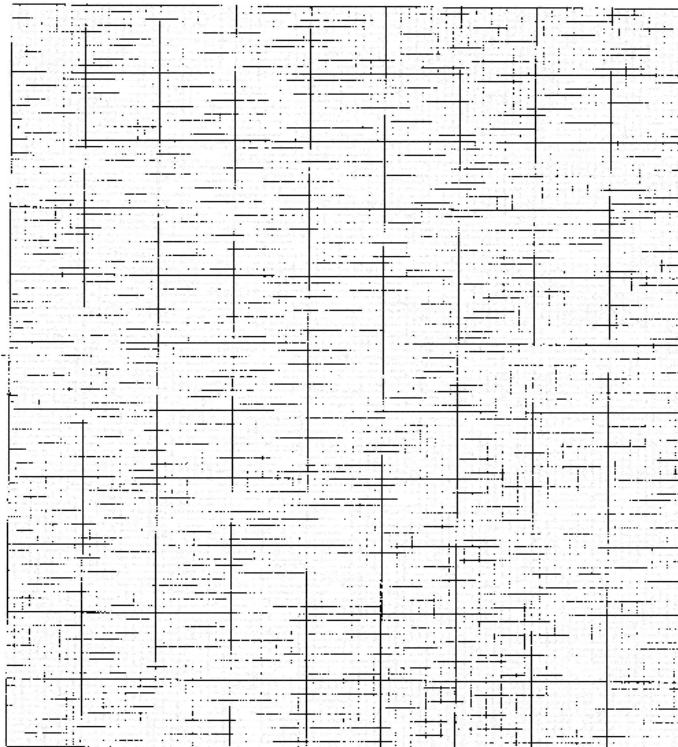
28. Using a protractor, set square and a ruler draw a right angled triangle PQR in which RQ= 6cm and angle PQR= 50°

29. Table shows masses of rice and their costs.

Mass in kg	1	2	3	4
Cost in K	K450	K900	K1350	K1800

Using a scale of 2cm to represent 1kg on horizontal axis and 2 cm to represent k450 on vertical axis, draw a line graph.

(10 marks)

END OF QUESTION PAPER