



CHIKOWI ZONE

2023 Primary School Leaving Certificate Mock Examination

MATHEMATICS (100 MARKS)

DATE:

Subject Number: P131

Time allowed: 2 hours

8:00 – 10:00 am

Name of Candidate: _____

(Surname First)

Name of School: _____

1. This paper contains 6 pages.
Please check.

2. Write your name and name of your school in the space provided and your examination number on top of each page of question paper.

3. This paper consists of **two** sections **A**, and **B** you are expected to answer all questions.

IMPORTANT

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

5. Hand in your worked paper to the invigilator when time is called to stop.

Question number	Tick if answered	Do not write in these columns	
1 – 30			
31			
32			
33			
34			
35			
36			
37			
38			

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Turn over



SECTION A (40 marks)

Instruction

- Answer all questions in this section
- Encircle the letter representing the correct answer

1. What is 72 in Roman numerals?

- A XXLII B LXXII
 C XXXXXXII D LXII

2. Express $\frac{4}{5}$ as a percentage

- A 90% B 80%
 C 40% D 20%

3. Simplify $1890 + 875 \div 125$

- A 2065 B 1897
 C 82.7 D 16.52

4. Express 14.190567 to 2 decimal places

- A 14.20 B 14.10
 C 14.19000 D 14.19

5. If 80% of a number is 2800. What is the original number?

- A 3600 B 4000
 C 2240 D 3500

6. A well is $3\frac{1}{2}$ meters deep if it has water up to the depth of 1.25cm, what percentage of the well holds water?

- A 125% B 36%
 C 63% D 1.25%

7. Write the number 1032 in words

- A one thousand and thirty two
 B ten thousand thirty two
 C one hundred thirty two
 D ten thousand three hundred and two

8. In a bag of beans $\frac{3}{8}$ were rotten and half of the remainder were sold. What fraction of the beans remained?

- A $\frac{5}{8}$ B $\frac{11}{16}$
 C $\frac{7}{8}$ D $\frac{5}{16}$

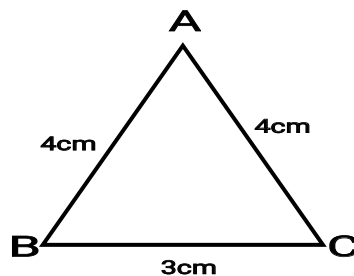
9. Divide the product of 1.4 and 2.4 by 0.6.

- A 5.6 B 336
 C 3.36 D 56

10. Find the simple interest of K8000 for 4 years at 7% per annum.

- A K2,240 B K22,400
 C K2,024 D K2,402

Figure below shows a triangle ABC. Use it to answer question 11



11. What name is given to the type of triangle ABC in figure above?

- A equilateral B isosceles
 C right angle D scalene

12. What would be the result in decimal number form if one subtract the fraction below?



- A $\frac{1}{5}$ B $\frac{7}{10}$
 C 0.7 D 0.2

13. If 3 is subtracted from a certain number the result is 18. What is the number?

- A 6 B 15
 C 21 D 54

14. Solve the equation $2x - 3 = 15$

- A $x = 3$ B $x = 6$
 C $x = 9$ D $x = 12$

15. How many girls are there in a school if for every 5 boys there are 3 girls in a school of 1208 pupils?

- A 151 B 403
C 753 D 453

16. A nurse worked at a hospital for two decades. How many years did she work at the hospital?

- A 14 years B 20 years
C 25 years D 50 years

Figure 3 shows a table of information which Edina worked out from a heap of fruits.

Use it to answer question 17 and 18.

FRUIT	TALLIES
Mangoes	
Bananas	
Lemons	

Oranges	
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17. Which fruit was the lowest in number?

- A mangoes B bananas
C lemons D oranges

18. If 7 children were to share all the fruits together, how many would each receive?

- A 5 B 6
C 7 D 8

19. Find the first 3 multiples of 7.

- A 1, 7, 21 B 21, 0, 1
C 7, 7, 7 D 7, 14, 21

20. What name is given to the total distance of the outer circle?

- A diameter B circumference
C chord D radius

SECTION B (60 marks)

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

21. (a) Joel bought 88 oranges for his three brothers: Thomas, Yohane and Thomson. For every 2 oranges he gave to Thomas, he gave 3 to Yohane and 6 to Thomson. Calculate the difference between the number of oranges that Thomson and Thomas received.

(5 marks)

(b) Find the largest number which can divide into 12, 20 and 32 without leaving a remainder.

The table below shows income tax rate. Use it to answer the questions that follow

INCOME PER MONTHS	RATE FOR TAX
First K9000	0%
Next K3000	15%
Excess (over) K12000	30%

22. (a) Mr. Limani gets a salary of K39 400 a month. Find the amount he gets after deducting income tax?

(5 marks)

- (b) A shopkeeper bought cooking oil at K42 300. He sold it at a profit of 15%. What was his selling price?

(5 marks)

23. (a) Mina scored 90% in Mathematics. If the test was marked out of 20. What marks did Mina get?

(3 marks)

(b) Simplify $7\frac{1}{3} \div 4\frac{2}{3} - \frac{2}{5}$

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(5 marks)

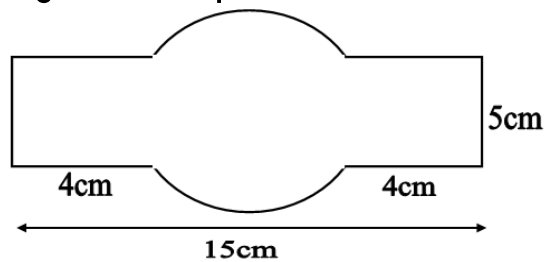
24. (a) Simplify $32.4 \times 143 + 0.412 \div 0.103$

(5 marks)

- (b) A bus left Blantyre at 7 : 30 am and arrived in Lilongwe at 11 : 30 am. If it covered a distance of 260km, then calculate its speed.

(3 marks)

Figure 4 is a composite figure made up of a semicircle and a rectangle.



25. (a) Calculate the area of the shape (Take $\pi = \frac{22}{7}$)

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- (b) The average age for 6 family members is 24. What would be the average age for the remaining members of the family, if a boy aged 19 leaves the group? (5 marks)

(5 marks)

26. (a) Enter the following transactions in a bank account and balance it. A business woman had a balance of K1300.00 at the bank on 1 June 2022 and on

2 June banked K12000.00
3 June paid transport (cheque) K2000
5 June paid for repairs (cheque) K8000
24 June banked K4083.00
26 June paid transport (cheque) K5000

(8 marks)

- (b) The table below shows the number of patients admitted at a certain hospital from January to June 2022.

Month	Jan	Feb	Mar	Apr	May	Jun
Number of patients	2	4	5	10	7	3

Draw a line graph to represent the information using a scale of 1cm representing 2 patients on the vertical axis. (7 marks)

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END OF QUESTION PAPER