



LIKANGALA ZONE

2022 Primary School Leaving Certificate Mock One Examination

MATHEMATICS

(100 MARKS)

Thursday, 21 April, 2022

Subject Number: P131

Time allowed: 2 hours

8.00 – 10.00 am

Name of Candidate: _____

(Surname First)

Name of School: _____

1. This paper contains 8 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 four sections A, and B you are expected to answer all questions.

IMPORTANT

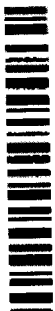
4. In the table provided on this page, tick against the question number you have answered.
5. Hand in your worked paper to the invigilator when time is called to stop.

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

Printed by: Word-Tech Computer Centre

©all rights reserved

Turn over



Name of Candidate: _____

SECTION A (40 marks)

Instruction

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

- Express 0.0059117 to 3 significant figures
A 0.00591 B 0.005910
C 0.00600 D 0.01
- Change $3\frac{3}{8}$ as a decimal number.
A 4.125 B 0.3375
C 3.375 D 0.4125
- What is four million seven hundred thousand two hundred and twenty seven in figures?
A 400700227 B 40700227
C 47002027 D 4700227
- Decrease 80 by 20%
A 16 B 60
C 64 D 96
- If 3 is subtracted from a certain number, the result is 18. What is the number?
A 6 B 15
C 21 D 54
- A carton contains guavas and mangoes in the ratio 5 : 2 respectively. If the carton contains 140 guavas, calculate the number of mangoes in carton.
A 40 B 56
C 84 D 100
- A class has 50 lessons a week. If 8 of the lessons are for Chichewa, what percentage of lesson is for Chichewa?
A 4% B 8%
C 16% D 84%
- By selling a goat for K1 700, a farmer made a loss of 15% in every kwacha. Find the cost price.
A K255 B K1445
C K1955 D K2000

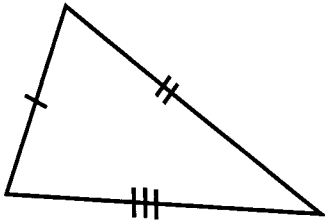
Table 1 below shows marks and number of learners represented in a tally table form. Use it to answer question 9 and 10.

Mark (%)	Tally
10	
20	-
30	
40	-

- What was the modal mark?
A 10 B 20
C 30 D 40
- What was the median mark?
A 20 B 25
C 30 D 35
- If $\frac{2}{5}$ of the number is 80, find the number.
A 32 B 160
C 200 D 800
- What is the place value of 8 in 23.486?
A Hundredths B Thousandths
C Tens D Ones
- Arrange the following fractions ascending order: $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{2}{5}$
A $\frac{2}{3}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{2}{5}$
B $\frac{2}{5}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$
C $\frac{1}{2}$, $\frac{2}{3}$, $\frac{2}{5}$, $\frac{3}{4}$
D $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{2}{5}$

Name of Candidate: _____

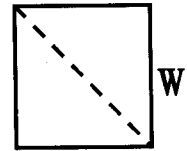
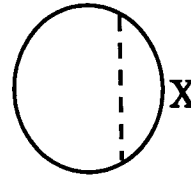
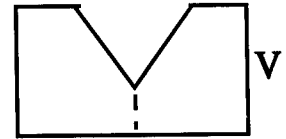
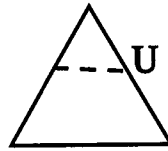
Figure 2 below shows a triangle. Use it to answer questions 14 and 15.



14. Identify the type of the triangle above.
- A scalene B reflex
C isosceles D equilateral
15. What property of the triangle in demonstrated in the figure above?
- A all sides are equal
B all sides are parallel to each other
C all sides are different
D one angle is right angle
16. Simplify $2x - 2a + x - a$
- A $3x - a$ B $4x - 2a$
C $3x + 3a$ D $3x - 3a$
17. If 5 men can do a piece of work in 6 days, how long would 2 men take to complete the same piece of work?
- A 2 days B 5 days
C 15 days D 16 days

18. What is the rule for generating a number pattern 37, 49, 61, 73?
- A subtract 12 B add 12
C add 15 D subtract 15
19. Find the solution of the inequality $x - 15 \leq 12$
- A $x < 17$ B $x > 7$
C $x \leq 7$ D $x \leq 27$

Study the following shapes carefully and use them to answer the question that follows



20. Which of the following shapes show the line of symmetry?
- A W and X B Y and Z
C X and Z D W and V

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) Simplify $10x = 4x + 24$

(3 marks)

Name of Candidate: _____

- (b) The mean temperature for 4 patients is $26^{\circ}C$. If the average temperature for 3 patients is $24^{\circ}C$. Find the temperature of the fourth patient.

(3 marks)

- (c) A bus covers a distance of $1320Km$ in 3 hours 20 minutes. Calculate its speed.

(4 marks)

22. (a) Take away the sum of 1625 and 1021 from 3000

(4 marks)

- (b) Mr. Goba bought the following items from a shop 2 units of pencils at K25 per pencil, 3 packets of sweets at K90.45 per packet 100 exercise books at K250 per unit and 2 tablets of soap at K85 each prepare a bill for Mr. Goba.

(6 marks)

Name of Candidate: _____

23. (a) Find the HCF of 1672 and 2584 using continued division

(3 marks)

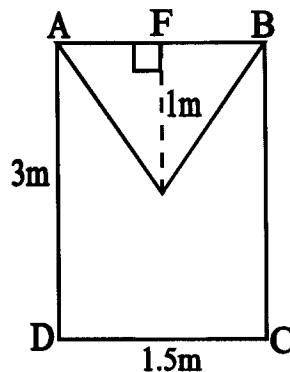
(b) The selling price of a shoe is K33 000 and a profit of 10% was made, what was the cost price of the shoes?

(4 marks)

(c) Simplify $2\frac{2}{9} \times \left(3\frac{2}{4} - 1\frac{5}{8}\right) \div 1\frac{1}{3}$

(5 marks)

Figure below is a rectangular door ABCD with triangle AEB unpainted. $EF = 1\text{m}$, $BC = 3\text{m}$ and $DC = 1.5\text{m}$



Name of Candidate: _____

24. (a) Calculate the area of the painted part

24. (a) Calculate the area of the painted part

(6 marks)

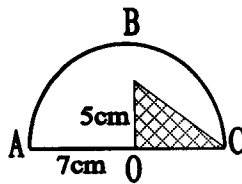
(b) A diagram of a tree 8cm long was drawn using a scale of 1cm representing 2m.

What was the length of the tree?

(b) A diagram of a tree 8cm long was drawn using a scale of 1cm representing 2m. What was the length of the tree?

(4 marks)

25. (a) The figure 2 shows a semicircle ABC in which a right angled triangle DOC has been removed. AO = 7cm and OD = 5cm. If O is the centre of the semicircle. Calculate the area of the remaining part (Take $\pi = \frac{22}{7}$)



(5 marks)

Name of Candidate: _____

(b) An agricultural club started a business in 2016 and had the following transactions

January 1	Banked cash K10 000
January 3	Bought seeds by cheque K950
January 3	Bought watering cane by cheque K750
January 11	Banked a cheque K2500
January 20	Bought fertilizer by cheque K3750
January 21	Withdrew of cash K1500
January 25	Deposited a cheque K3000

Prepare a bank account for the agricultural club and balance it

(7 marks)

26. (a) A radio was sold at K4 000 at a discount of 20%. Calculate the marked price.

(3 marks)
Page 7 of 8

Name of Candidate: _____

- (b) Tayamika bought 20 mangoes at 4 for 40t and sold them at 5 for 60t. What was her profit?

(3 marks)

END OF QUESTION PAPER