



# LIKANGALA 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:

---

- This paper contains 6 pages. Please check.
- Write your name and name of your school in the space provided and your examination number on top of each page of question paper.
- This paper consists of two sections **A**, and **B** you are expected to answer all questions.

#### IMPORTANT

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

*Printed by: Word – Tech Computer Centre*

*Cell: 0881363795*

@all rights reserved

Turn over



### SECTION A (40 marks)

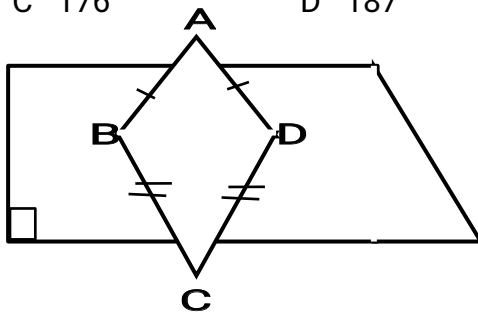
**Instruction**

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

1. What is DXLIV in hindu Arabic numeral?  
 A 525                      B 535  
 C 544                      D 645

2. Which of the following represents seventy five million five hundred and two thousand and twelve?  
 A 75 500 002              B 75 500 012  
 C 75 500 120              D 75 502 012

3. The product of two numbers is 198. One of the number is the difference between 11 and 2. Find the other number?  
 A 22                      B 42  
 C 176                      D 187



4. What name is given to quadrilateral ABCD in figure 1?  
 A parallelogram              B kite  
 C triangle                      D square

5. Which of the following is correct for the mathematical statement; the difference between  $x$  and  $y$  is greater than or equal to 15.  
 A  $x - y < 15$               B  $x - y \leq 15$   
 C  $x - y > 15$               D  $x - y \geq 15$

6. A person celebrated his diamond jubilee ten years ago. How old is he now?  
 A 50                      B 60  
 C 70                      D 100

7. The following are heights of five buildings in a certain city: 19m, 18m, 13m, 15m. what is the median height of the buildings?  
 A 13m                      B 15m

- C 18m                      D 19m

8. Which of the following tallies represents the number 19?

A  I      B  II

C  III      D  IIII

9. A lady paid K84 600 for 4 dresses which were marked at K23 000 each. Find the total discount that the lady was given?

- A K6 400                      B K7 400  
 C K7 600                      D K8 400

10. Which of the following numbers complete the number pattern

0, 1, 1, 2, 3, 5, 8 \_\_\_\_\_?

- A 11                      B 13  
 C 15                      D 16

11. Express 1549 to the nearest hundred

- A 1500                      B 1540  
 C 1600                      D 1550

12. A doctor worked at the hospital for three decades. How many years did he worked at the hospital?

- A 20                      B 30  
 C 13                      D 60

13. Find the value of  $x$  in the equation  $3x + 2 = 18 - x$

- A  $x = 16$                       B  $x = 14$   
 C  $x = 20$                       D  $x = 4$

14. Simplify  $12e + 8f - 5 - 7f + 5e + 6$

- A  $23 + 15f + 5e$       B  $7e + f + 1$   
 C  $15f + 5e + 13$       D  $f + 5e + 13$

15. Find the sum of a fortnight and three weeks then divide the result by five days?

- A 7 days                      B 35 days

Name of Candidate: \_\_\_\_\_

C 5 days

D 30 days

A  $2\frac{1}{4}$

B  $2\frac{3}{4}$

16. Calculate rate per annum if K5000 banked for 5 years at simple interest amount to K6250.

A 16%

B 25%

C 5%

D 3%

C  $2\frac{5}{8}$

D  $2\frac{3}{8}$

17. A bus taken 3hrs to cover distance of 147km find the speed of the bus.

A 60km/hr B 49km/hr

C 20km/hr D 65km/hr

19. Solve the inequality  $x + 9 \leq 15$

A  $x \leq 4$  B  $x \leq 12$

C  $x \leq 6$

D  $x \leq 9$

20. Decrease 119 in the ratio 4 : 7

A 17

B 51

C 65

D 129

18. Change 2.625 to a mixed number

### 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) Take away the sum of 1625 and 1021 from 3000.

(2 marks)

(b) Find the difference between  $4\frac{2}{3}$  and the product of  $3\frac{1}{5}$  and  $\frac{3}{4}$

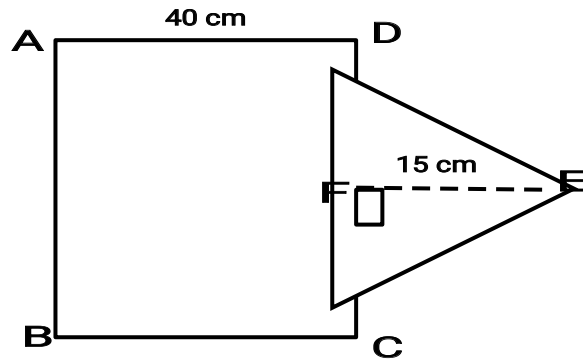
(4 marks)

(c) A minibus left Blantyre at 11 : 30 and reach Dedza at 3 : 00 pm on the same day. If it was travelling at average speed of 60km/hr. Calculate distance.

(4 marks)

Name of Candidate: \_\_\_\_\_

22. (a) Figure below shows a composite shape made up of a square ABCD and triangle CDE in which AD = 40cm and EF = 15cm.



If EF is a perpendicular height of the triangle. Calculate the area of the shape.

(5 marks)

- (b) The circumference of a circle is 132cm. Calculate its radius.

(5 marks)

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

(4 marks)

Name of Candidate: \_\_\_\_\_

- (b) Work out household bills for the following
- 12kg sugar at K1500 per kg
  - $9\frac{1}{2}$ kg flour at K1400 per kg
  - 5 used carpets at K20 700 each
  - 6kg rice at K1600 per kg
  - 370 pencils at K1000 per unit

(6 marks)

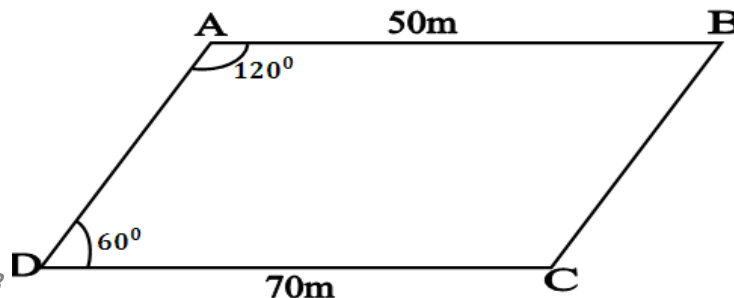
24. (a) Find the ratio of teachers to learners if there are 90 teachers and 240 learners at a school.

(3 marks)

- (b) Divide the LCM of 28, 98 and 105 by their HCF

(5 marks)

25. Figure below shows a drawing of a garden in form of trapezium ABCD in which AB = 50m, AD = 40m, CD = 70m angle ADC  $60^\circ$  and angle BAD  $120^\circ$



Name of Candidate: \_\_\_\_\_

(a) Using scale of 1cm to represent 10m draw the figure accurately

(5 marks)

(b) Measure and state length BC

(2 marks)

(c) A shirt was bought for K30 000 and sold it at K36 000. Calculate the profit percent

(5 marks)

26. Twapochele started business on 1 January 2023 with cash in hand K100 000. During the month Twapochele made the following transaction

2 January	paid loan K90 000
4 January	sold basins K30 000
9 January	paid transport K5 000
14 January	paid rent K10 000

Prepare Twapochelesi cash account and bring down the balance ready for business on 1 February 2023.

(10 marks)

**END OF QUESTION PAPER**