



EXAMINATION NO.: _____
THE MALAWI NATIONAL EXAMINATIONS BOARD

2024 PRIMARY SCHOOL LEAVING CERTIFICATE EXAMINATION

MATHEMATICS

(100 marks)

Thursday, 23 May

Subject Number: P131

Time Allowed: 2 hours
8:00 – 10:00 am

Name of Candidate: _____

(Surname First)

Name of School: _____

Instructions

- 1. This paper contains 12 printed pages. Please check.**
- 2. There are 20 multiple choice questions in Section A and 10 questions in Section B. Answer all the questions.**
- 3. You are provided with two blank pages at the end of this question paper for rough work for Section A. Do not tear them off.**
- 4. In Section B, you are required to show all your working.**
- 5. Use of electronic calculators is not allowed.**
- 6. Please make sure you have written your examination number, your name and school name on the question paper in the spaces provided.**
- 7. In the table provided on this page, tick against the question number you have answered.**
- 8. Hand in your examination paper to the invigilator when time is called to stop writing.**

	Tick 21- 30 if answered	Do not write in these columns	
1 - 5			
6 -10			
11 - 15			
16 - 20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

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Turn over



Section A (40 marks)

Answer **all** questions in this section. **Encircle** the letter corresponding to the right answer for each question. Use the blank pages at the end of this question paper for your rough work in this section only.

1. What is M, CM, CD, DCL and LXV in ascending order?
A. LXV, DCL, CD, CM, M
B. LXV, CD, DCL, CM, M
C. M, CM, DCL, CD, LXV
D. M, CM, CD, DCL, LXV
2. What are the prime factors of 20, 30 and 50?
A. 2, 2, 3, 5
B. 2, 2, 5, 5
C. 2, 3, 5, 5
D. 2, 2, 3, 5, 5
3. Which of the following fractions is equivalent to $\frac{2}{3}$?
A. $\frac{6}{9}$
B. $\frac{6}{8}$
C. $\frac{4}{9}$
D. $\frac{6}{6}$
4. Nyamazawo's mass of 160 kg decreased in the ratio 2:4. What was her new mass?
A. 40 kg
B. 80 kg
C. 152 kg
D. 154 kg
5. The mean temperature for 4 days was 37.75°C . If the mean temperature for 3 days was 35°C , what was the temperature for the fourth day?
A. 31.0°C
B. 33.75°C
C. 34.75°C
D. 46.0°C
6. Luso received K960 commission for selling dresses worth K24 000. What was the commission percent?
A. 96%
B. 75%
C. 25%
D. 4%
7. What is the mode of the following masses : 6 kg, 5.2 kg, 5 kg, 7 kg, 3.5 kg, 6 kg and 7.3 kg?
A. 3.5 kg
B. 5.2 kg
C. 6.0 kg
D. 7.0 kg
8. Which of the following inequalities represents: 72 is less than the sum of 40 and 61?
A. $72 < 40 + 61$
B. $72 > 40 + 61$
C. $61 - 40 < 72$
D. $40 \times 61 > 72$
9. A quadrilateral has pairs of adjacent sides equal. What is the name of this quadrilateral?
A. Rhombus
B. Square
C. Trapezium
D. Kite
10. What must be added to the sum of 3.8 and 1.62 to get 12.06?
A. 4.64
B. 7.42
C. 13.68
D. 19.48

Continued/...



11. Which digit has a place value of 'tenth' in the number 605.3278?
A. 0
B. 2
C. 3
D. 5
12. What is the perimeter of a rectangle measuring 10 cm by 5cm?
A. 15 cm
B. 25 cm
C. 30 cm
D. 50 cm
13. What is the difference between 768 kg 50g and 362 kg 200g added to 101kg 305g?
A. 666 kg 745g
B. 507 kg 155g
C. 463 kg 505g
D. 405 kg 850g
14. A rectangular field is 100 m long and 60 m wide. If it is reduced using a scale of 1:20, which of the following is the correct length?
A. 8 m
B. 5 m
C. 3 m
D. 2 m
15. What distance will a bus cover in 3 hours if it travels at a speed of 120 km/h?
A. 120 km
B. 123 km
C. 351 km
D. 360 km
16. What is 2.5 as a percentage?
A. 93%
B. 97.5%
C. 102.5%
D. 250%
17. Which of the following number patterns has used the rule: divide by 3?
A. 3, 9, 27, 81
B. 81, 27, 9, 3
C. 27, 24, 21, 18
D. 18, 21, 24, 27
18. Jipi and Mise shared 60 mangoes in the ratio 5:7 respectively. How many mangoes did Mise get?
A. 53
B. 48
C. 35
D. 25
19. How long would it take K60 000 to yield K12 000 simple interest at a rate of 5% per annum?
A. 1 year
B. 4 years
C. 5 years
D. 25 years
20. Alina measured two angles of a triangle and found that they were 60° and 55° respectively. What is the name of this triangle?
A. isosceles
B. scalene
C. equilateral
D. right – angled

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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. Find the sum of $\frac{3}{4}$ of K2 000 and $\frac{1}{2}$ of K6 000.

(3 marks)

- b. Simplify $2x + 2y - z + 3y + 2z + 6x$.

(3 marks)

Continued/...



22. a. A local trader makes a profit of K40 580 in a month. Calculate the amount of money he pays as tax if it is calculated at 20% of the profit. **(3 marks)**
- b. At the end of a competition, Kwathu school received $2y$ Kwacha and Zawo school received $(6000 - y)$ Kwacha. If they received K10 000 altogether, calculate the amount of money that Zawo school received. **(5 marks)**



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23. a. The goals for a netball team were 28, 17, 24, 14, 15, 28. Calculate the:

(i) mode of the goals

(ii) median of the goals

(4 marks)

b. A mat is in the form of a parallelogram **WXYZ** in which **WX** = 8 cm, **XY** = 6 cm, angle **WXY** = 60° and angle **XYZ** = 120° . Using a ruler and a protractor only, draw the parallelogram accurately.

(4 marks)

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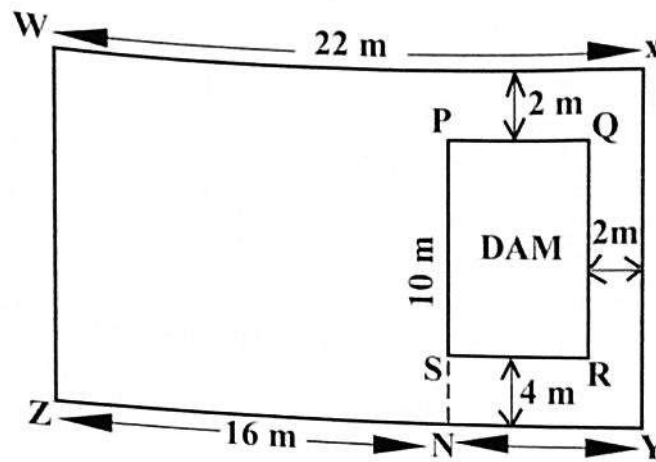
24. a. A tank contains 25 litres of water. If it loses the water at 200 ml per minute, calculate the amount of water left in the tank after 30 minutes. **(4 marks)**

- b. A butcher sold $\frac{3}{4}$ of a goat he slaughtered. If the remaining part weighed 12 kg, calculate the mass of the part that was sold. **(4 marks)**

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25. The figure below shows a rectangular field $WXYZ$ in which $WX = 22$ m, $NZ = 16$ m and a dam $PQRS$ with $PS = 10$ m.



If a farmer wants to plant maize in the field, calculate the area that can be used.
(6 marks)



26. If a motorbike is sold for K1 800 000, a loss of 25% is made. Calculate the price at which the motorbike would have been sold to make a profit of 10%.
(6 marks)

Continued...



27. Table 1 shows number of eggs sold per day at a market.

Table 1

Day	Number of eggs
Monday	100
Tuesday	80
Wednesday	120
Thursday	40

Using the symbol ○ to stand for 20 eggs, draw a picture graph to represent the information in the table. (5 marks)

28. A lady bought the following items from a shop: $\frac{3}{4}$ m cloth at K860 per metre, 4 shirts at K3 500 each and 3 units of pens at K250 per pen. Calculate the amount of money she paid altogether. (5 marks)

Continued/...



29. The average age of 11 football players is 16 years. If a player aged 22 is replaced by another player aged 33 years, calculate the new average age of the players. (5 marks)

Continued/...



30. Table 2 shows transactions for Mr Nyadani's cash account for the month of september.

Table 2

Dr			Cr		
Date	Receipts	Amount	Date	Expenditure	Amount
01.09.23	Balance in hand	K 5 000.00	05.09.23	Bought dress	K4 250.00
06.09.23	Sold beans	K 4 500.00	21.09.23	Bought flour	K5 000.00
08.09.23	Sold rice	K12 000.00			

Calculate the balance that was brought forward as at 1 October, 2023. (3 marks)

END OF QUESTION PAPER
NB: This paper contains 12 printed pages.

