

EXAMINATION NO.: \_\_\_\_\_

# LIKUNI ZONAL EXAMINATIONS BOARD

## 2019 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

### MATHEMATICS

(100 MARKS)



Thursday, 21 February 2019

Subject Number: P131  
Time allowed 2hrs.  
8:00 – 10:00 am

Name of Candidate: \_\_\_\_\_  
(Surname First)  
Name of School: \_\_\_\_\_

**INSTRUCTIONS:**

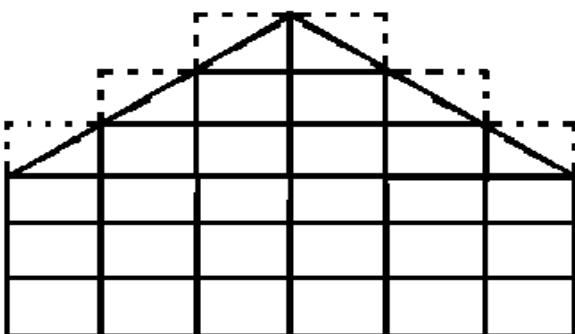
1. This paper contains 7 printed pages. Please check.
2. Answer all questions. In Section A, encircle the letter corresponding to the right answer to each question. In Section B, write your answers in the spaces provided under each question.
3. There are 20 multiple choice questions in Section A and 10 questions in Section B.
4. In Section B, you need to show all your working.
5. The use of electronic calculators is not allowed.
6. In the table provide on this page, tick against the question number you have answered.
7. **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 if answered	Do not write in these columns	
1 – 20			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

**SECTION A (40 MARKS)**

Answer all questions in this Section. Encircle the letter corresponding to the right answer for each question.

1. Simplify:  $11h + 16p + 3h + 7h$ .
  - A.  $14h + 23p$
  - B.  $21h + 16p$
  - C.  $14p + 7h$
  - D.  $11h + 16p$
2. Find the fourth number in the following number pattern: 960, 1000, 1040, \_\_\_, 1120.
  - A. 1050
  - B. 1080
  - C. 1100
  - D. 1180
3. Solve the inequality  $x + 9 \leq 15$ 
  - A.  $x \leq 4$
  - B.  $x \leq 12$
  - C.  $x \leq 6$
  - D.  $x \leq 9$
4. A trader bought soya beans worth K7200 and sold them for K7920. What profit percent did the trader make?
  - A. 10%
  - B. 11%
  - C. 90%
  - D. 110%
5. If a learner covers a distance of 6km to school in  $1\frac{1}{2}$  hrs. Find her speed.
  - A. 1 km/hr
  - B. 6 km/hr
  - C. 4 km/hr
  - D. 9 km/hr
6. A bed and a table cost K30 000. A bed costs twice as much as a table. How much does a bed cost?
  - A. K1 000.00
  - B. K2 000.00
  - C. K10 000.00
  - D. K20 000.00
7. Find the area of the shape below.



- A.  $12 \text{ cm}^2$
- B.  $24 \text{ cm}^2$
- C.  $18 \text{ cm}^2$
- D.  $30 \text{ cm}^2$
8. Chimwemwe will hold his silver jubilee celebrations in 9 years time. How old is Chimwemwe now if silver jubilee is celebrated after 25 years?
  - A. 16 year old
  - B. 34 years old
  - C. 15 years old
  - D. 25 years old
9. A learner measured an angle and found that it was  $275^\circ$ . What type of angle is it?
  - A. Obtuse angle
  - B. Right angle
  - C. Acute angle
  - D. Reflex angle
10. What is DCCLX in Hindu Arabic numerals?
  - A. 560
  - B. 760
  - C. 660
  - D. 740
11. Find the mean of the following numbers: - 33, 42, 21, 16, 31, 36.
  - A. 180
  - B. 150
  - C. 36
  - D. 30
12. Write nine hundred and three million, eight hundred and four thousand and fourteen in figures.
  - A. 90038004014
  - B. 930 840 0014
  - C. 903 804 014
  - D. 93 840 014
13. Write 22:45 hours time using am or pm.
  - A. 15:45 pm
  - B. 11:20 am
  - C. 22:45 pm
  - D. 11:45 am
14. The musical instrument marked at K23 679.50 was sold at K21 999.50. Find the discount.
  - A. K1680.00
  - B. K2680.00
  - C. K760.00
  - D. K1600.00

**EXAMINATION NO.:**

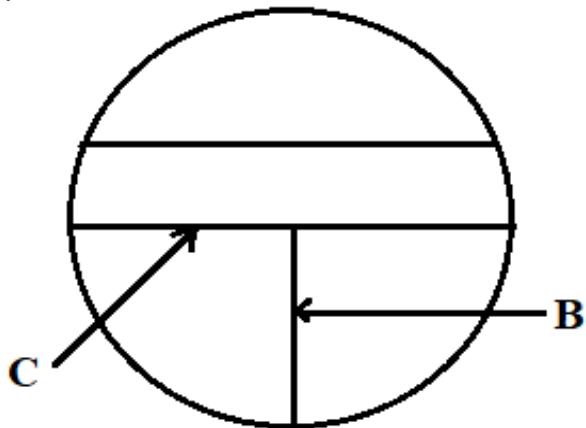
15. Tamanda gets a commission of K50.00 on every shirt she sells. If she sell 95 shirts find her commission.

- A. K3 650.00
- B. K45
- C. K145
- D. K4 750

16. A vegetable garden is 57 m long and 36 m wide. Find the length of the wire required to fence the garden.

- A. 186 m
- B. 168 cm
- C. 187 m
- D. 186 cm

17. Figure 2 below shows parts of a circle. The part labelled C is a \_\_\_\_\_



- A. Cord
- B. Diameter
- C. Circumference
- D. Circle

18. What would be the result if 0.482 is multiplied by 2.2?

- A. 106.4
- B. 1.0604
- C. 1.0644
- D. 10.644

19. The internal measurements of a container are 12 m by 15 m. How many litres of paraffin would the container hold?

- A. 750 litres
- B. 0.9 litres
- C. 32 litres
- D. 5.4 litres

20. A farmer wants to sell equal number of rabbits from the following: - 78 brown, 28 black, 42 white rabbits. Find the largest number of rabbits that could be sold from each group.

- A. 16
- B. 28
- C. 78
- D. 2

**SECTION B (60 MARKS)**

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

21. Tawina made a loss by selling 8 baskets of tomatoes for K1820.00. If the cost price of each basket was K250.00, calculate the loss percent.

(5 marks)

22.a). Solve the equation  $120 + 3n + 260 - n$ .

(3 marks)

b). Calculate the compound interest on K70, 000 for 2 years at 10% per annum.

(6 marks)  
23. A minibus left Blantyre at 11:30 and reached Dedza at 3:00 on the same day. If it was travelling at an average speed of 60 km/hr, calculate the distance covered.

(3 marks)  
24. Simplify  $9\frac{3}{4} - 4\frac{1}{8} + 6\frac{5}{6} - 5\frac{1}{3}$ .

(5 marks)

25.a). Divide 370 mangoes amongst Mack, Alefa and Stuart in the ratio of  $\frac{1}{2} : \frac{3}{8} : \frac{2}{3}$ . How many mangoes does each learner get?

(5 marks)

b). In a number pattern, the first number is 26, the second is 40 and the third is 54.  
Calculate the fifth number.

(2 marks)

26. A man bought 5 bags of onions for K4 750. He sold two of the bags at K1 235 each and the rest at K1 084 each. He also paid K50 each as a market fee. Calculate the profit he made.

(5 marks)

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27. Find the greatest number of the following numbers using continued division method.  
3200 and 800.

(3 marks)

28. A photograph paper measuring 37 cm by 28 cm has a 2 cm border all around. Find the area covered by a photograph in a photo paper.

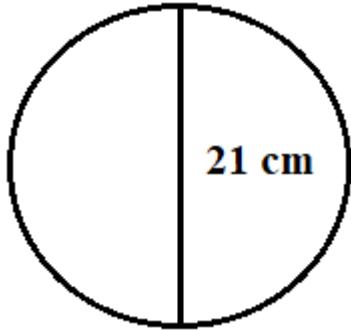
(3 marks)

29.a). Using  to represent 70 leaves, draw a picture graph for this data.

Week	No. of leaves
1	280
2	490
3	350
4	140
5	560

(7 marks)

b). Find the circumference of the circle below. Take  $\pi=\frac{22}{7}$ .



30. Prepare and balance a cash account for Mponda Primary School transactions during the month of January 2008.

1 – 01 – 08	Cash in hand	K6, 500
2 – 01 – 08	Fundraising activities	K2, 750
2 – 01 – 08	Bought pens	K2, 000
9 – 01 – 08	bought books	K3, 125
26 – 01 – 08	Paid wages	K2, 200
27 – 01 – 08	Sold trees	K1, 890

(10 marks)

**END OF QUESTION PAPER**