



EXAMINATION No: _____

KAPIRI ZONAL EXAMINATION BOARD

2020 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

MATHEMATICS

(100 MARKS)

SUBJECT NO: P131

TIME ALLOWED: 2 hours

08:30 – 10:30 am

Name of Candidate: _____

(Surname first)

Name of School: _____

Instructions

- 1. This paper contains 5 pages please check**
- 2. There are 20 multiple choice questions in Section A and 10 questions in Section B.**
- 3. In Section B you need to show your working**
- 4. The Use of Calculator is not allowed**
- 5. Please make sure you have written your name and examination number and school name on the question paper in the spaces provided.**

Question number	Tick if 31 – 45 if answered	Do not write in these columns	
1-10			
11 -20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

1. Subtract 762410 from 812560

- a. 586850 c. 586735
b. 576735 d. 486735

2. Write sixty three million five hundred and forty two thousand

- a. 63542000 c. 6354002
b. 6350402 d. 635042

3. Which of the following best completes the equivalent fraction below

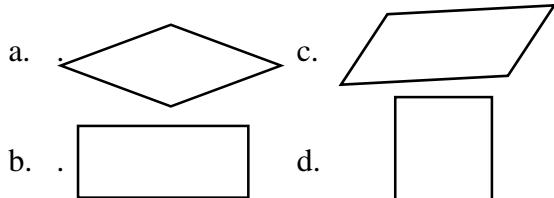
$$\frac{1}{4} = \frac{10}{\underline{\quad}} = \frac{10}{20}$$

- a. 5 and 20 c. 2 and 5
b. 10 and 80 d. 5 and 40

4. If $\frac{5}{9}$ of a number is 25. Find the original number

- a. 25 c. 20
b. 45 d. 50

5. Which of the following figures is not a parallelogram



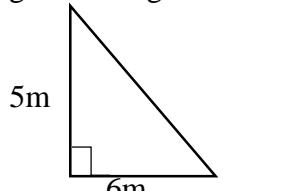
6. Form inequalities from the following mathematical sentences. The sum of X and sixteen is less than forty

- a. $X + 16 < 40$ c. $x + 16 > 40$
b. $40 < x + 16$ d. $x + 16 \geq 40$

7. Which of the following is the HCF of 50, 30 and 16

- a. 10 c. 4
b. 3 d. 2

8. Which of the following is the area of the given triangle



- a. $30m^2$ c. $15m^2$
b. $11m^2$ d. $20m^2$

9. Divide 312 by 3

- a. 14 c. 1004
b. 104 d. 140

10. What is 72 in Roman numerals?

- a. XXLII c. XXXXXXXXII
b. LXXII d. LXII

11. Write 0.0039125 to four significant figure

- a. 0.0039125 c. 0.0039
b. 0.003913 d. 0.0039613

The figure below shows the number of oranges each of the following children have and answer the questions that follow

Timothy 

Tionge 

Mayeso 

Scale  represents 8

12. How many oranges does Timothy have

- a. 28 c. 4
b. 16 d. 40

13. Who has least oranges than the others

- a. Timothy c. Tionge and Timothy
b. Tionge d. Mayeso

14. How many more oranges has Tionge than Mayeso

- a. 84 c. 40
b. 24 d. 56

15. Find the number of decades from 1985 to 2005 a. 2 c. 20 b. 200 d. 10	b. Solve the following equation $4 + 5c = 24$ (3 marks)
16. Find the average of the following numbers 80, 60, 0, 75, 35, 56 a. 51 c. 50. b. 61.2 d. 306	
17. A train covered 60km in 15 minute, find the speed of the train a. 12km/min c. 60km/min b. 4 km/ min d. 40km/min	22. a. The average temperature of three substances is 19.7°C and 18°C . find the temperature of the third substance (4 marks)
18. Increase 70 by 200% a. 14 000 c. 2 100 b. 140 d. 21 000	
19. Miss Banda sold a drum at K 1996.50. she made a profit of 289.50. find the cost price of the drum a. K2286.00 c. K1707.00 b. 1717.00 d. 1700.00	
20. Find the simple interest of K8000 for 4 years at 7% per annum a. K2240.00 c. K 2024.00 b. K22400 d. K2402.00	b. Find the base of a triangle whose area is 48cm^2 and its height is 12cm (4 marks)

SECTION B (60 MARKS)

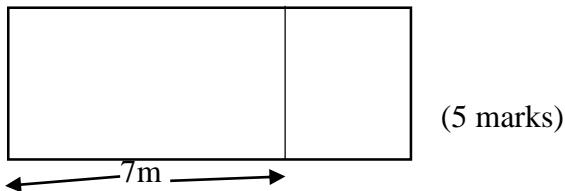
Answer all questions

21. a. Simplify $\frac{5}{6} - \frac{2}{7} \div \frac{2}{3}$ (4 marks)

23. a The internal measurement of a tank are 200cm high, 250cm long and 200cm wide. How many litres of water can the tank hold? ($1000\text{cm}^3 = 1\text{L}$) (5 marks)

b. 7 people can dig a piece of ground in 10days. How long would 5 people take to dig the same piece of ground at the same rate? (4 marks)

b. A rectangular room of 7m long and 6m wide and is connected to a square on its width as shown below. Find the perimeter



(5 marks)

25. find the total bills for the following budgets: 3 dust coats at K1 600 each, $2 \frac{1}{2}$ kg flour at K140 per Kg, 250 pencils at K60 per unit (5 marks)

24. a. Chikondi , Atupere and Sigele share K18 000 so that for every K100 that Chikondi gets, Atupele gets K150. How much money did each received? (7 marks)

26. a. A commission of K2000 is given on every sales worth K12000. Calculate the commission on sales worth K96 000 (3 marks)

b. In a week, Madalo collected the following number of eggs from her farm : 22, 18, 21, 22, 18, 19, 20. Calculate the mode and median number (4 marks)

27. Mr. Ngozo earns K23 500 a month, how much tax does he pay each month, use the table below (5 marks)

Inpcome per month	Rate for tax
1 st K9000	0%
Next K3000	15%
Over (excess) K12000	30%

28 A teacher asked learners to the kinds of food they like. She recorded the results as follows

Food	Number of pupils
Nsimma	11
Rice	16
Irish potato	7
Cassava	8

Tally the information in the table (4 marks)

29 By selling a plot for K 149 408, a loss was made at the rate of 8t in the kwacha. Find the cost price of the plot (3 marks)

End of question paper