



EXAMINATION NUMBER: _____

CHIKALA ZONE EXAMINATION BOARD

2022 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

MATHEMATICS

(100 marks)

Date: _____

Subject number: _____

Time allowed: _____

LEARNER'S NAME: _____

(Surname first)

NAME OF SCHOOL: _____

Instructions:

1. This paper contains 6 pages. Please check.
2. Answer **all** questions. In **Section A**, encircle the letter representing the right answer to each question. In **Section B**, write your answer in spaces provided on the question paper.
3. There are **20** multiple choice questions in **Section A** and **5** questions in **Section B**.
4. In **Section B** you need to show your working.
5. The use of electronic calculators is **not** allowed.
6. In the table provided on this page, tick against the question you have answered.
7. **IMPORTANT**
 - Please, make sure you have written your **name, school name** and **zone** on the question paper.
 - Please, hand in your filled in question paper to the **invigilator** at the end of the examination.

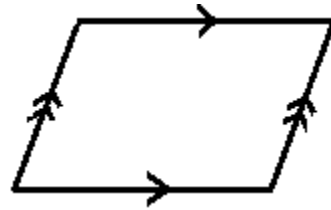
Question Number	Tick if answered	Do not write in these columns	
1 – 20			
21			
22			
23			
24			
25			

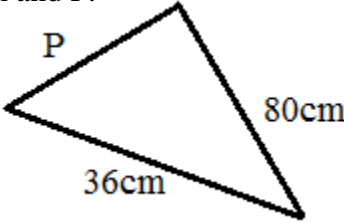
SECTION A (40 marks)

Encircle the letter (A, B, C or D) that represents the correct answer of your choice.

- Express 26843 to the nearest 1000.
A. 26 000 C. 27 000
B. 26 100 D. 271 000
- Complete $\frac{2}{3} = \frac{\square}{18}$
A. 12 C. 8
B. 6 D. 10
- Simplify $3b - 2x + b - 6x$
A. $4b - 4x$ C. $4b + 8x$
B. $4b + 4x$ D. $4b - 8x$
- Increase 40 by 50%
A. 10 C. 60
B. 20 D. 90
- What is the place value of 4 in the number 762043?
A. Ones C. Hundreds
B. Tens D. Thousands
- Solve the equation $4y - 5 = 23$.
A. 6 C. 18
B. 7 D. 28
- Find the mode of the following height for STD 7 learners at Liwewe School.
1.6m, 1.7m, 1.2m, 1.7m, 1.4m, 1.6m and 1.7m.
A. 1.2m C. 1.6m
B. 1.4m D. 1.7m
- Express 0.999 to 2 significant figures.
A. 0.9 C. 1.0
B. 1.09 D. 1.00

Figure 1 shows a type of quadrilateral. Use it to answer question 9.



- Name the quadrilateral.
A. Kite C. Rectangle
B. Parallelogram D. Trapezium
- Evaluate $\frac{3.6}{0.4 \times 0.3}$
A. 0.3 C. 30
B. 3 D. 360
- Simplify the ratio $2\frac{1}{4} : 4\frac{1}{2}$ in its simplest form.
A. $\frac{1}{4}$ C. $\frac{1}{2}$
B. $\frac{3}{4}$ D. $\frac{2}{3}$
- Figure 2** shows a triangle with sides 80cm, 36cm and P.

Find P if the perimeter is 141cm.
A. 25 C. 125
B. 35 D. 135
- Find the height of a rectangular object if its volume is 21m^3 , length is 3.5m and width is 8m.
A. 4m C. 6.00m
B. 5.25m D. 14cm
- Find the area of a circle whose diameter is 28cm (Take $\pi = \frac{22}{7}$)
A. 2464cm^2 C. 616cm^2
B. 88cm^2 D. 308cm^2

22. a. Find the amount to be paid on a loan of K30, 000 for 2 years at 5% simple interest. (4 marks)

b. Find the largest number of people who could share equally 56 cattle, 72 chickens and 108 pigs. (4 marks)

23. a. Takondwa had $y + 12$ bananas and Chisomo has $y - 4$ bananas. If there were 60 bananas altogether, calculate the number of bananas represented by y . (5 marks)

b. Three farmers put together money in the ratio 2:3:4 to buy fertilizer. Calculate the bags of fertilizer each farmer received, if they bought 486 bags. (7 marks)

24. a. Using a ruler and a protractor, draw a parallelogram ABCD with $AB = 40\text{m}$, $AD = 30\text{m}$, angle $BAD = 45^\circ$, angle $ADC = 135^\circ$. Using a scale of 1cm to represent 5m. (7 marks)

- b. Calculate the compound interest on K7600 for 2 years at 20% per annum. (8 marks)

25. a. **Table 2** shows sales of tax on salaries per month for a certain year.

Salary per month	Rate of tax
First K9000	0% (tax free)
Next K3000	15 %
Over K12 000	30%

- Using the information on the table above, calculate the monthly tax a worker pays on a monthly salary of K72 500. (6 marks)

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b. A shopkeeper had K30, 000 cash in hand on 1st December 2019 and on 8 December banked K8000, 27 December withdrew K12, 000. Prepare a cash book and balance it. (7 marks)

End of Question Paper