

CHIKOWI ZONAL MOCK

2024 Primary School Leaving Certificate Examination



MATHEMATICS

(100 MARKS)

Number: P165

Time allowed: 2hours

8.00 – 10.00 am

Name of Candidate: _____

(Surname First)

Name of School: _____

SECTION A

- Convert CDLIX to Hindu Arabic numeral
A. 459 C. 619
B. 469 D. 669
- Express 20.0054 to 4 significant figure
A. 20.00 C. 20.01
B. 20.006 D. 20.005
- Simplify $4y - 12y + 17y - 6y$
A. 3y C. 18y
B. 15y D. 19y
- Which of the following angles represents a reflex angle?
A. 70° C. 150°
B. 90° D. 275°
- Subtract 417g from 0.699kg
A. 282g C. 416.3g
B. 347.1g D. 1116g
- A chief will celebrate his silver jubilee in the next 5 years. How old is the chief?
A. 20 years C. 30 years
B. 25 years D. 35years
- Grace is x years old. If in five years her age will be 36. How old is she now?
A. 31 C. 43
B. 30 D. 40
- Simplify the ratio $2\frac{1}{5}$ to $5\frac{1}{2}$ to its lowest term
A. 5 : 2 C. 2 : 5
B. 2 : 11 D. 11 : 22
- Which quadrilateral has all its sides and all its angles equal
A. Square C. Rhombus
B. Rectangle D. Parallerogram
- What is the place value of 6 in this number 24.061
A. Ones C. Tens
B. Hundredth D. Hundreds
- Find the biggest number of farmers that can share a treadle pump, 21 bags of fertilizers and 12 packets of seeds without a remainder
A. 3 C. 21
B. 252 D. 9
- A salesman receives a commission of K70 on every K1000 sales. How much commisiion does he receive for K35 000
A. K500 C. K2450
B. K100 D. K7000
- Write two million and seventy eight thousand and sixteen in figure
A. 20, 780 016 C. 2, 007, 816
B. 2, 078, 160 D. 2, 078, 016
- A bottle has a volume of $35\,000\text{cm}^3$. What is the capacity of the bottle in litres
A. 35litres C. 3500litres
B. 350litres D. 35 000litres

15. A vehicle covered a distance of 60 kilometres in 30 minutes. What was its speed in km/hr

- A. 2km/hr C. 90km/hr
B. 30km/hr D. 120km/hr

16. Zione changed £ 220 to kwacha and used K21200. How much did she remained with if £ 1 = K282.95

- A. K62 249 C. K41049
B. K52 249 D. K47049

Use the following numbers

18, 5, 2, 34, 2, 18, 5, 2, 42 to answer questions 17 and 18

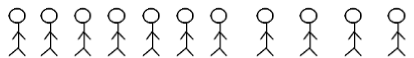
17. What is the modal number?

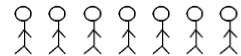
- A. 2 C. 10
B. 5 D. 13

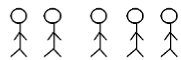
18. What is the median number?

- A. 2 C. 10
B. 5 D. 13

Figure 1 is a picture graph showing learners who play different games at a certain school. Use it to answer questions 19 and 20.

Football 

Volleyball 

Netball 

Key :  represents 4 learners

19. Find the difference between the number of learners who play football and those who play netball

- A. 4 C. 24
B. 6 D. 39

20. How many learners play volleyball

- A. 7 C. 28
B. 11 D. 44

SECTION B (60MARKS)

21. A. Multiply the difference between 701.2 and 681 by 2.3 give your answer to 1 decimal place (4marks)

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

22. A. A parent bought 90 sweets for her three children. Chiku, Maya and Sandra. For every 2 sweets she gave to Chiku, she gave 3 to Maya and 5 to Sandra. Calculate the difference between the number of sweets that Sandra and Chiku received?
(5marks)



B The average temperature of water in four buckets was 32°C . If the temperature of the water in the three buckets were 35°C , 39°C and 30°C . find the temperature of the water in the fourth bucket



23. A. Chifundo wants to buy the following items ;
2 chickens at K3500 each
3 heaps of tomatoes at K100 each heap
6 bundles of vegetables at 3 bundles for K100

Prepare a budget for Chifundo

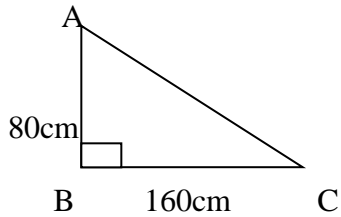
(4marks)



Figure 2. shows a triangle.

ABC in which angle $ABC = 90^\circ$

AB = 80cm and BC = 160cm



B (i) Draw the figure accurately using a scale of 1cm representing 20cm (4marks)

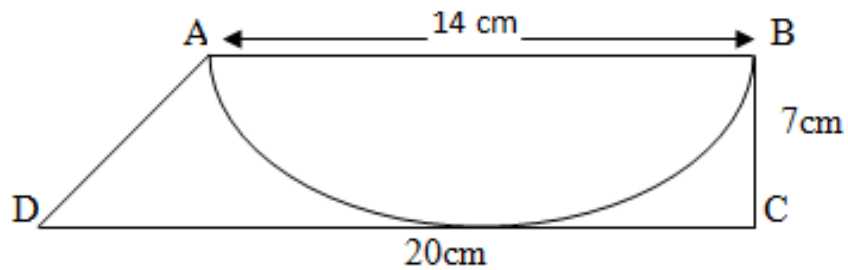
(i) In your diagram, measure angle BAC and state its value (1mark)

24. A. A family has 3 meals in a day,. During each meal 250ml of milk is used. How many days will the family take to use 3000ml of milk (4marks)

B After selling a bicycle at K10, 800.00 a person made a loss of 10%. At what price must have the person sold it to gain 5% (5marks)

Empty rounded rectangular box for student response.

25. A. The figure below is a trapezium with a semi – circle inside it. ABCD is a trapezium, AB is the diameter of the semi – circle.



Find the area of the shaded part (Take $\pi = \frac{22}{7}$) (5marks)

Empty rounded rectangular box for student response.

B Subtract the LCM of 50 and 75 from 286 (4marks)

Empty rounded rectangular box for student response.

Table 1 shows rates of tax on salaries per month for certain year

Salary per month	Rate of tax
First K12000	0% (tax free)
Next K3000	15%
Excess/over K15, 000	30%

26. Calculate the amount he gets after deducting tax if a worker receives K40, 000 as monthly salary (5marks)

27. The circumference of a circle is 88cm. calculate its radius (take $\pi = \frac{22}{7}$) (4 Maeks)

28. Mayamiko's business had the following transaction in January 2024

1 Jan balance in hand K2000
18 Jan bought basins K3000
25 Jan sold cups K1900

Prepare cash account for Mayamiko's business and balance it as at 31 January 2024. (6marks)

END OF QUESTIONS