CHIKOWI ZONE

2022 Primary School Leaving Certificate Mock Examination

MATHEMATICS
(100 MARKS)

Thursday, 5 May, 2022

Subject Number: P131
Time allowed: 2 hours
8.00 – 10.00 am

Name of Candidate: _____
(Surname First)

Name of School: _____

1. **This paper contains 7 pages. Pleases check**.

2. Write your name and name of your school in the space provided and your examination number on top of each page of question paper.

3. This paper consists of four sections **A,** and **B** you are expected to answer all questions.

   IMPORTANT

4. In the table provided on this page, tick against the question number you have answered.

5. Hand in your worked paper to the invigilator when time is called to stop.

Printed by: Word-Tech Computer Centre

Cell: 0881363795

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

SECTION A (40 marks)

Instruction

- Answer all questions in this section
- Encircle the letter representing the correct answer

1. What is the 49 in Roman numerals
   A IL   B LIX
   C XLIX   D XLVIIII

2. A learner measured an angle and found that it was 125^0. What type of angle is it?
   A acute angle   B obtuse angle
   C reflex angle   D right angled

Table 1 shows a table of information which Edna worked out from a heap of fruits. Use it to answer question 3 and 4.

Fruit	Tally
Mangoes	ЖЖ ЖЖ ЖЖ II
Bananas	ЖЖ IIII
Lemons	ЖЖ ЖЖ ЖЖ I
Oranges	ЖЖ II

3. Which fruit was the lowest in number?
   A mangoes   B bananas
   C lemons   D oranges

4. If 7 children were to share all fruits, how many would each receive?
   A 5   B 6
   C 7   D 8

5. A motor cycle is travelling at 10m/s. Find his speed in Km/hr.
   A 3600Km/hr   B 360Km/hr
   C 100Km/hr   D 36Km/hr

6. The perimeter of a square plot is 36m. Find the area of the plot.
   A $81m^2$ B $144m^2$
   C $324m^2$ D $36m^2$

7. Simplify $12 - 17 + 66$
   A 61   B 62
   C 70   D 86

8. Simplify $1\frac{7}{20} \div \left(4\frac{4}{5} \times \frac{1}{3}\right)$
   A $\frac{54}{25}$ B $\frac{32}{27}$
   C $\frac{27}{32}$ D $2\frac{4}{25}$

9. 16 men can do a piece of work in 50 days, How long would it take for 20 men to do the same work?
   A 25 days   B 30 days
   C 40 days   D 50 days

10. The number 708 420 051 in words is
    A Seven hundred million four and twenty thousand and fifty one.
    B Seventy eight million four and twenty thousand and fifty one.
    C Seven billion and eighty million four hundred and twenty thousand and fifty one
    D Seven hundred and eight million four hundred twenty thousand and fifty one.

Figure 2 shows time on analogue clock face. Use it to answer question 11
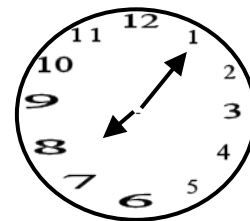
11. What time is the clock?
    A a minute past 7

B   seven minutes past 1
C   five minutes past 7
D   seven minutes to 1

12. Complete the following number pattern

72,   63,   _____,   45,   _____,   27

A   54 and 36   B   56 and 32
C   54 and 81   D   64 and 46

13. Express $86l$ to $258l$ to its lowest form.

A   2 : 3   B   1 : 3
C   120   D   176

14. Increase 120 by 30%

A   144   B   156
C   120   D   176

15. Express 2 472 to the nearest thousand

A   2000   B   3000
C   2400   D   2500

16. Solve the equation 2x - 3 = 15

A   x = 3   B   x = 6
C   x = 9   D   x = 12

The pie chart in figure 2 below shows the amount and type of food eaten by pupils at a certain school. Use it to answer question 17 and 18

105^0 30^0 Banana
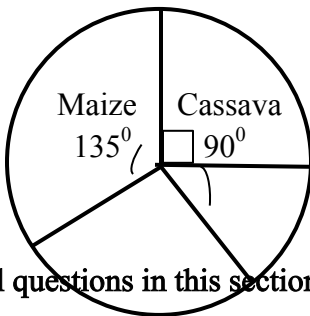
Mandasi

17. Which food is eaten the least at the school?

A   maize   B   cassava
C   banana   D   mandasi

18. What percentage of food eaten at the school is cassava?

A   25%   B   33%
C   50%   D   29%

19. Which of the following shows the symmetry line?
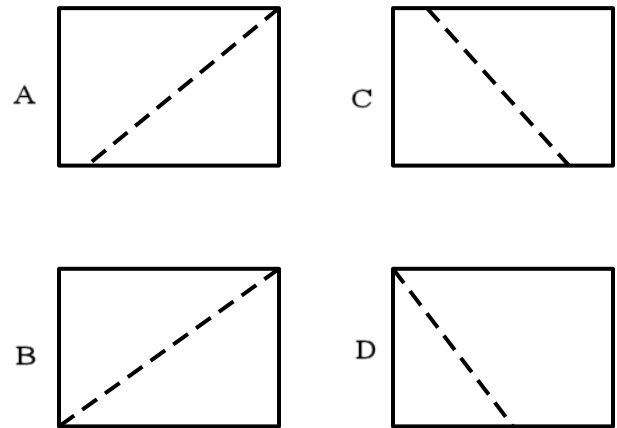
20. The area of a triangle is 49cm^2. Find the height of the triangle if its base is 14cm?

A   7cm   B   14cm
C   21cm   D   49cm

SECTION B (60 marks)

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

21. Find the HCF of 360, 504 and 864 using continued division method.

(6 marks)

22. In a class $\frac{2}{9}$ of the learners do not put on shoes. If 56 learners put on shoes. How many learners are in a class?

(5 marks)

23. (a)   Subtract 832.6547 from 2563.13

(2 marks)

(b)   Write 3.125 as a mixed number in its lowest term

(4 marks)

24. A bus left Majiga at 7 : 30am and reached Dziwe at 10 : 30am. If it was travelling at an average speed of 90Km/h, what distance did it cover?

(4 marks)

25. (a) Chisomo scored 90% in Maths test. If the test was marked out of 20. What marks did Chisomo get?

(3 marks)

(b) Decrease 30 by 10%

(3 marks)

Figure below shows exchange rates. Use it to answer question 26(a) and 26(b)

CURRENCY	BUYING	SELLING
US Dollar (S)	K139.10	K141.89
SA Rand (R)	K18.80	K19.74

26. (a) Chimwemwe had K464 859, she used K25 000 for transport and changed the remaining to US Dollar. How much money in US Dollar did she get?

(4 marks)

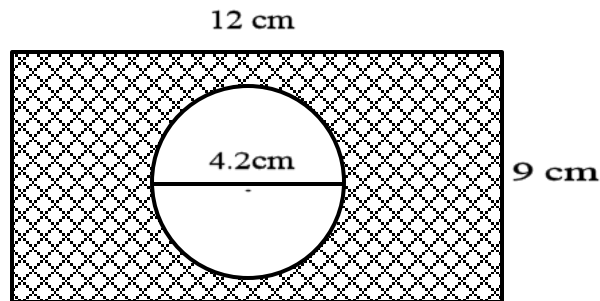(b) What is the Kwacha value of 500 South Africa Rand?

(4 marks)

27. A vendor bought 240 eggs for K6 000.00. Calculate the profit percent made if 22 eggs were broken and the rest were sold at K30.00 each.

(6 marks)

Figure 4 is a diagram of a rectangular garden with a circular watch tower on the middle. Use it to answer question 28(a) and 28(b)

28. (a) Find area of the cultivated part

(5 marks)

  (b) Cost of weeding the garden at the rate of K200 per square centimeter

©chikowi zone - 2022

29. Prepare a bill for the following budget

        4 units of cakes at K150 each

        30Kg of sugar at K1350 per 10Kg

        50cm of cloth at K600 per metre

(4 marks)

30. Calculate the difference between compound interest and simple interest on K12 000 for 2 years at 20% per annum.

(7 marks)

END OF QUESTION PAPER

Name of Candidate:_____