SAKATA ZONE MOCK EXAMINATIONS
2022/2023 PRIMARY SCHOOL LEAVING CERTIFICATE ZONAL MOCK EXAMINATIONS
MATHEMATICS
(100 Marks)

23rd February 2023
Time allowed :2Hrs
8:00 – 10:00 am

Name of Candidate:_____
(Surname first)
Name of school:_____

Instructions

INTRUCTIONS
1. Write your **name** and **name of your school** on top of each page of this paper.
2. This paper has **6** pages please check.
3. This paper has **2** sections **A** and **B**.
4. Answer all questions in all sections.
5. Section **A** encircle the correct letter representing the correct answer.
6. Follow instructions on each section carefully.
7. Hand in your filled in question paper to the invigilator at the end of the examination period.

SECTION A (40 MARKS) MULTILPLE CHOICE

- Indicate your answer by encircling a letter representing your answer

1. Express 98059 to the nearest hundred
   - A. 98000
   - C. 98100
   - B. 98060
   - D. 98160

2. Evaluate 446 – 850 + 544
   - A. 130
   - C. 948
   - B. 140
   - D. 958

3. A church held its golden jubilee in 2001. In which year was the church established?
   - A. 1941
   - C. 1975
   - B. 1951
   - D. 1976

4. Find the sum of 41, 2.352 and 3.5
   - A. 5.262
   - C. 46.357
   - B. 6.262
   - D. 46.852

5. Convert 904 in Roman numeral
   - A. CMIV
   - C. MCIV
   - B. CMVI
   - D. MCVI

6. Decrease 917 in the ratio 5:7
   - A. 120
   - C. 555
   - B. 182
   - D. 655

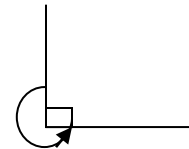Figure 1 shows an angle. Use it to answer questions 7 and 8

Figure 1

7. What type of angle is in figure 1?
   - A. Right angle
   - B. Obtuse angle
   - C. Reflex angle
   - D. Acute angle

8. Calculate the value of the angle n?
   - A. 90^0 C.
   - C. 270^0
   - B. 180^0
   - D. 360^0

9. Which of the following numbers is a set of multiples of 6?
   - A. 6, 12, 16, 24

B. 6, 12, 18, 23

C. 18, 22, 30, 36

D. 18, 24, 30, 36

10. A shopkeeper bought a watch at k3800 and sold it at K2900. Calculate the loss percent made.
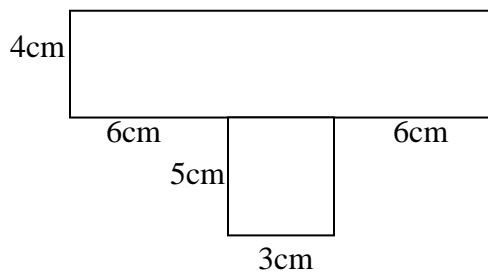Express your answer to 2 decimal place

A. 23.68%   C. 23.7%

B. 31.03%   D. 20.68%

11. A clock loses 3 seconds each day. How many minutes does it lose in 3 weeks?

A. 1.03 minutes   C.1.20 minutes

B. 1.05 minutes   D. 1.30 minutes

Figure 2 shows the floor of the house.

12. Find the perimeter of the floor.

A. 24cm   C. 38cm

B. 28cm   D. 48cm

13. Tadala digs $^3/_8$ of a pit in 24days. How long will the person take to complete the remaining work?

A. 9days   C. 40days

B. 15 days   D. 64 days

14. Find the mode of the following numbers
12, 14, 12, 10, 15, 12, 11, 12

A. 10   C. 12

B. 11   D. 15

15. Simplify 9d – f – 3d – 5f

A. 6d – 6f   C. 6d + 6f

B. 6d - 4f   D. 6d + 4f

16. Which of the following is a decimal for the shaded part of figure 3?

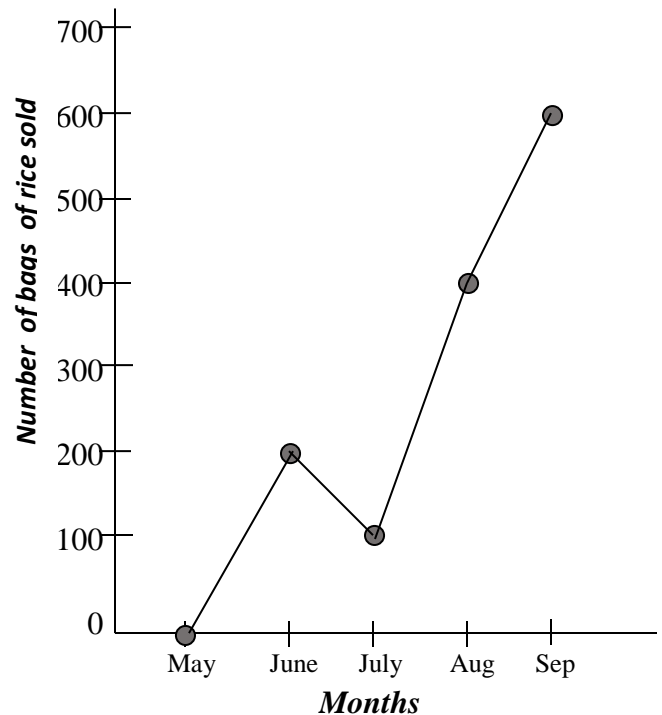
Figure 3

A. 0.5   C. 0.62

B. 0.8   D. 0.625

17. Express 4km 7dam in metres

A. 407 metres   C. 4070metres

B. 470 metres   D. 4700metres

18. Which of the following time is the same as thirteen minutes to two in the after noon?

A. 13: 13   C. 01: 47

B. 13: 47   D. 14: 47

Figure 4 shows a line graph. Use it to answer questions 19 and 20

19. In which month did the market sell the least number of bags of rice?

A. May   C. September

B. June   D. July

20. How many more bags were sold in August than in June?

A. 100   C. 400

B. 200   D. 600

21. A   Simplify $2.04 \times 0.328 \div 0.08$ (4marks)

B   Solve the inequality $3m + 5 \leq 20$ (3marks)

22. A   The area of a triangle is 99m². If the base is 18m, find the height   (3marks)

B Find the HCF of 105 and 245 using factor method   (3marks)
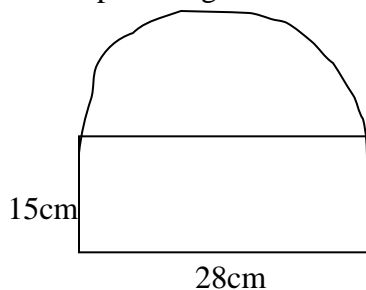
23. Tsala had 6m + 12 oranges and Tinyade had m – 2 oranges. If there were 59 oranges altogether calculate the number of oranges represented by m.   (4marks)
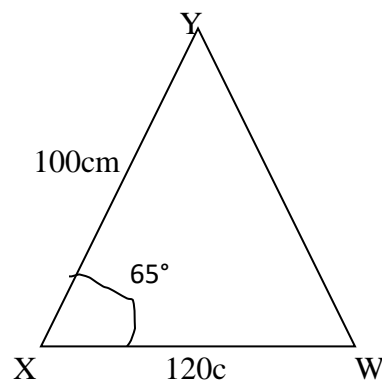
24. Figure 5 is a composite figure consist of a semi – circle and a rectangle. Find the area of the figure
(6marks)

15cm

28cm

25. Calculate the compound interest on K98000 for 24 months at 20% per annum   (5 Marks)

26. Figure 6 shows a triangle WXY   in which WX $= 120$cm, xy $= 100$cm and angle WXY $= 65^0$

A. Draw the figure accurately using the scale of 1cm to represent 20cm   (4marks)

B. In your drawing measure WY and state the value   (1mark)

27. A   A shopkeeper bought a radio for K40 000 and sold it at a loss of 12%. What was the selling price?
(4marks)

B   The average temperature of three substances is 17.6^0c. if the temperature of two substances are 21.3°c and 17°c, find the temperature of the third substance.   (4marks)

28. A   Table   1 shows income tax rate

Income per month	Tax rate
First K25000	0 %
Next K5000	15 %
Excess (over) K30 000	30 %

A   How much tax does a lady who is receiving a salary of K220 600 pay per month?   (5marks)

B   Find the fifth number and a rule in the following pattern
648, 216, 72   (3marks)

29. Find a bill of the following items 9 knifes at K175 each, 250 pens at K300 per unit and 6kg sugar for K9000   (5marks)

30. A farmer had K35 000 cash in hand on 1st April 2021. During the month, she made the following transactions;
10 April banked K30 000   (6marks)
18 April withdrew K18500

Prepare a cash book