

SALFAH ISLAMIC DAY & BOARDING PRIMARY SCHOOL

P.6 END OF TERM II INTERNAL EXAMINATIONS - 2023

MATHEMATICS

Time allowed: 2 hours 30 minutes

Name: _____

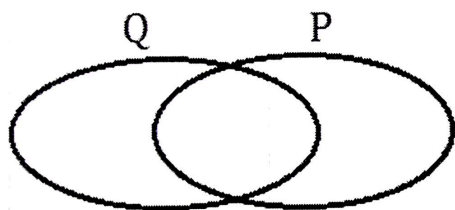
SECTION A

1. Subtract:

$$\begin{array}{r} 59 \\ - 17 \\ \hline \\ \hline \end{array}$$

2. Write 49 in Roman numerals.

3. In the Venn diagram below, shade the complement of set P.



4. Find the next number in the sequence below

2, 3, 5, 7, _____

5. Change 34_{five} to decimal base.

6. Find the number which has been expanded to give $(2 \times 10^1) + (3 \times 10^3)$?

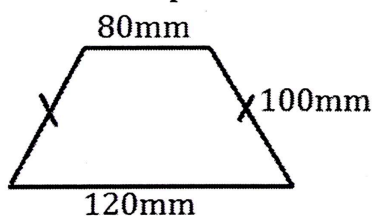
7. Using a protractor, a pencil and a ruler, draw an angle of 75° .

8. Express $12\frac{1}{2}\%$ as a fraction.

9. What time does the taxi driver take to cover a distance of 480km making at a speed of 60km/hr?

10. Find the median of the following numbers 16, 17, 20, 14, 15, 18


11. Find the perimeter of the figure below.



12. Solve: $w - 3 = 9$

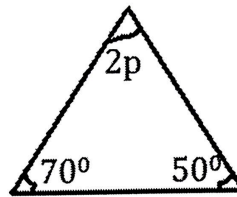
13. Ssempijja bought a wall clock at sh.20,000 and later sold it at a loss sh.3000. How much did he sell the clock?

4. In a box, there are 2 red balls and 6 white balls, what is the probability of picking a red ball at random from the box?

15. If  represents 12 chairs, draw a pictograph to represent 48 chairs.

16. Mr. Kamuregeya deposited sh.48000 in Stanbic Bank which offers an interest rate of 10% per year for 6 months. How much interest did he get after that period?

17. Find the value of p in the figure below.



18. Simplify $+5 + -7$

19. Two men can dig a garden in 6 days. How long will 4 men take to dig the same garden at the same rate?

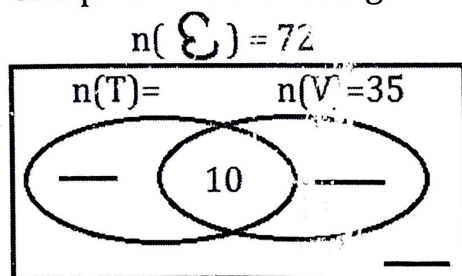
20. Given that $Y = \{2, 3, 5, 7\}$ $Z = \{1, 3, 5, 7, 9\}$, find $n(Y \cap Z)$

SECTION B

21. In a class of 72 pupils, 30 like Tennis only, 35 like volley ball, 10 pupils like both games and "m" like neither of the games.

a) Complete the Venn diagram below.

(4mks)



b) Find the value of m.

(2mks)

22. In a group of 50 farmers 20% grow soya beans and the rest grow maize.

a) What percentage of the farmers grows soya beans?

(2mks)

b) How many farmers grow soya beans?

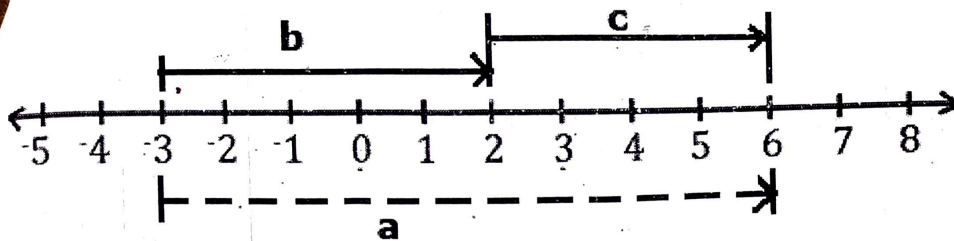
(2mks)

c) How many more farmers grow maize

than soya beans?

(2mks)

Study the number line below and use it to answer the questions that follow.



a) Find the value of:

(3mks)

i) $a =$ _____

ii) $b =$ _____

iii) $c =$ _____

b) Write down a mathematical statement for the above number line.

(1mk)

24. With the help of a ruler, a pencil and a pair of compasses only, construct a regular hexagon using radius of 4cm.

(4mks)

25. Ali went for shopping and bought the following items:

- 2kg of sugar at 2000/= per kg
- $1\frac{1}{2}$ kg of beans at 4000/= per kg
- 3 bars of soap at 6000/=
- 500g of salt at 12000/= per kg

(5mks)

a) Find the total expenditure.

b) If he had a fifty thousand shillings note, find his change.

(1mk)

26(a) Write 93,085 in expanded form. (2mks)

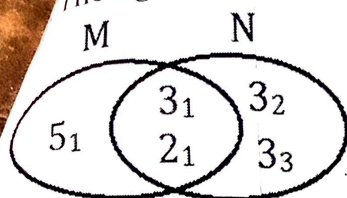
b) There are 2,435,870 books in the library. Write the number of books in the library in words. (2mks)

27. Two bells in a school ring at intervals of 30 min and 40 min for lower and upper section respectively.

a) After how long will the two bells ring together? (2mks)

b) If both bells ring together at 8.30am, at what time will they ring together again? (2mks)

The figure below show the prime factor of M and N.



(a) Find the value of N.

(2mks)

b) Find the GCF of M and N.

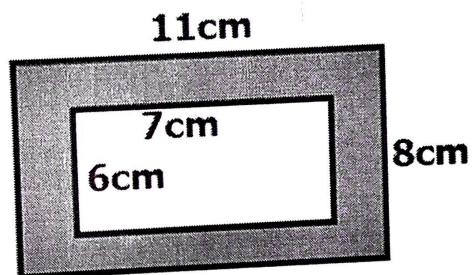
(2mks)

c) Work out the LCM of M and N.

(2mks)

29. Study the figure below and answer the questions that follow.

(a) Work out the area of the inner figure. (2mks)



b) Work out the area of the outer figure.

(2mks)

c) Calculate the area of the shaded part.

(1mk)

30. Given that $a = 3$, $b = 2$ and $c = 4$, find the value of ;

a) $ab + c$

(2mks)

b) $\frac{a^2 + c}{b}$

(2mks)

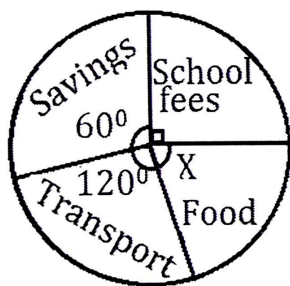
31. Bob, Allan and Sam shared sh.48000 in the ratio of 3:4:5 respectively. How much money did each person receive?

(4mks)

32. Mr. Kamuntu spends his monthly salary of sh.36000 as shown on the pie chart below.

(a) Find the value of x .

(2mks)



b) How much does he spend on food?

(2mks)

c) How much more money does he spend on fees than food?

(2mks)

*****GOD BLESS*****