KAMPALA PRIMARY SCHOOLS HEADTEACHERS' EXAMINATIONS COMMITTEE (KAPSHA)

PRIMARY SIX END OF TERM II EXAMINATIONS 2023

MATHEMATICS

TIME ALLOWED: 2 HOURS 30 MINUTES.

PUPIL'S NAME: MUZEYI KIZITO

SCHOOL: _____

DIVISION: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two sections: **A** and **B**
2. Section **A** has ***20*** questions (**40** marks)

   Section **B** has ***12*** questions (**60** marks)
3. Answer **all** questions. **All** answers to both section **A** and **B** must be written in the spaces provided.
4. ALL answers **MUST** be written using a **Blue** or a **Black** - point pen of fountain pen.
5. Un-necessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do **not** fill any thing in the boxes shown ***"For Examiner's use only".***

FOR EXAMINERS' USE ONLY		
QN. NO	***MARKS***	***S.***
1 – 10		
11 – 20		
21 – 25		
26 – 30		
31 – 32		
TOTAL		

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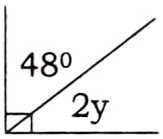
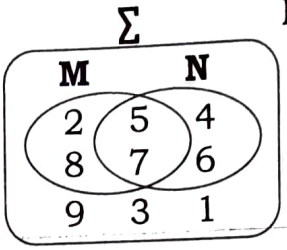
SECTION A (40Marks)

1.	**Workout:** 48 + 452	2.	Reduce $\frac{48}{72}$ to the lowest term.
3.	Find the Lowest Common Multiple (L.C.M) of **18** and **24**.	4.	Change **2¼** hour to minutes.
5.	Write **29** using tallies.	6.	Find the value of **y**. 
7.	**Workout:** $\frac{5}{8} - \frac{5}{12}$	8.	The mean age of **6** boys is **13**years. What is their total age?

9. Round off **4973** to the nearest hundreds.

10. 

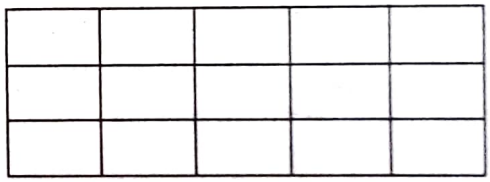
Find the elements of set **(M U N)¹**

11. Express $\frac{4}{3}$ as a decimal.

12. A kilo of beans costs **sh. 3600**. What will one pay for **500**grammes of beans?

13. Write **CXLIV** in Hindu Arabic numeral.

14. In the diagram below shade the number of squares representing $\frac{3}{5}$

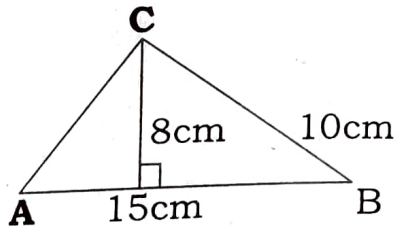


15. **Workout:** 3.6 ÷ 0.12

16. Increase **48kg** in the ratio **4:3**

17. Find the square root of **2¼**

18. Calculate the area of the triangle **ABC**



19. Given that **p = 8, q = 5.**
Find the value of **5p – 3q.**

20. In a box, there are **13**raw mangoes and **7** ripe ones. Find the probability of picking a ripe mango from the box?

SECTION B

21. a. **Simplify:** 6m – 5 + 2n – 3

(2marks)

b. Solve: 4x – 13 = 5

(3marks)

22. In a class of **70**pupils **40%** of the pupils are boys and the rest are girls.

a. Find the number of boys in the class?

(2marks)

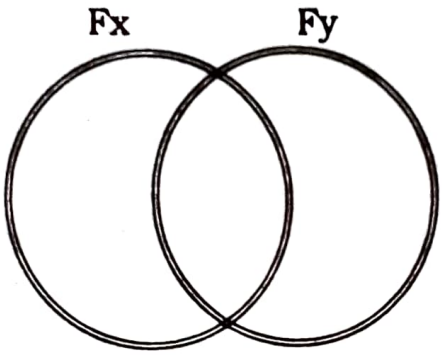
b. How many more girls are there in the class than boys?

(3marks)

23. Given that $\mathbf{Fx} = \{2_1, 2_2, 3_1, 3_2\}$

$\mathbf{Fy} = \{2_1, 2_2, 2_3, 3_1\}$

a. Show the above information on the Venn diagram below. *(3marks)*



b. Find the value of **x**.

(1mark)

c. Find the L.C.M. of **x** and **y**.

(2marks)

24. The ages of **5** boys is as follows; **8yrs, 5yrs, Xyrs, 6yrs** and **9yrs.** If their total age is **35yrs.**

a. Find the value of **X**.

(2marks)

b. Find the median age of the five boys

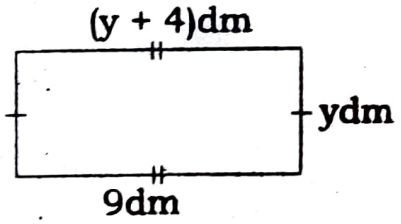
(1mark)

c. Find the mean age of the five boys.

(2marks)

25. Find the value of **y** in the figure below.

a.



(2marks)

b. Find the perimeter of the figure.

(2marks)

26. a. What is $\frac{2}{5}$ of **2kg** in grammes?

(3marks)

b. Evaluate $\frac{2.4 \times 0.5}{0.06 \times 0.2}$

(3marks)

27. Mr. Okurut had sh. 50,000 and bought items from the market as below.

2 loaves of bread at sh. 4,500 each
2½ kg of sugar at sh. 4,000 each
2 bars of soap for 2[illegible],000
½ dozen of books at sh. 3,000 a book

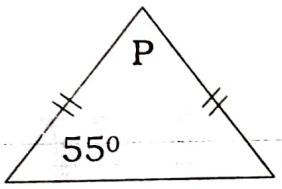
a. How much was each bar of soap?

b. What was his total expenditure?

c. Find his change. *(1mark)*

28. Use a pair of compasses, a ruler and a pencil only, construct an angle of 45^0. *(2marks)*

b. Find the value of angle marked **P**. *(2marks)*



29. Martin, John and Andrew contributed money in **3:2:4** to buy a ball. If they paid **sh. 45,000** for the ball, how much money did each boy contribute?

(4marks)

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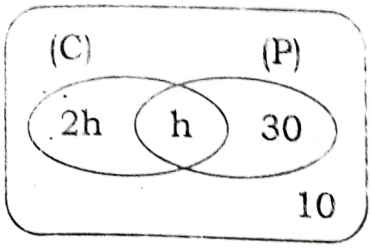
30. The Venn diagram below shows how farmers in a village grow different crops; Cassava (**C**) and Potatoes (**P**).

$n(\mathcal{E}) = 100$



a) Find the value of **h**. *(3marks)*

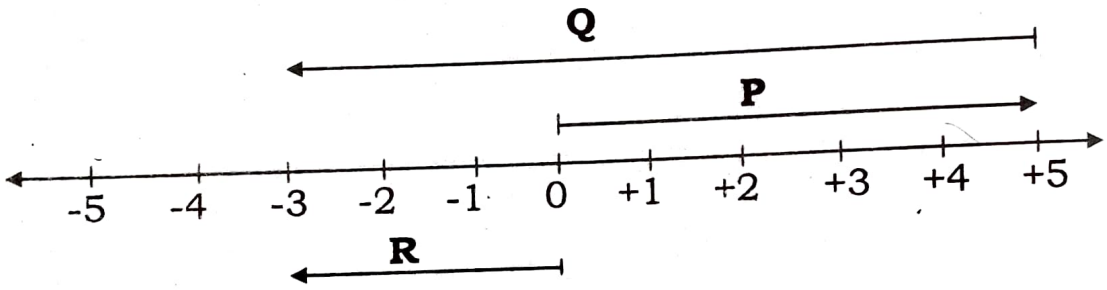
b. How many farmers grow only one type of crop? *(2marks)*

c. Find the probability of picking a farmer who grows only cassava. *(2marks)*

31. a. A motorist started his journey at **8:00am** and ended at **11:00am**. For how long did he travel? *(2marks)*

b. If he covered **180km**, what was his average speed for the whole journey? *(2marks)*

32. ***Study the number line below and answer questions that follow.***



a. Write the integers represented by the letters. *(1mark each*

P = ...

Q = ...

R = ...

b. Write the Mathematical sentence shown on the number line. *(2mark*

GOOD LUCK