# THE SIPRO END OF TERM II EXAMINATIONS 2023

| | |
|---|---|
| SUBJECT | MATHEMATICS |
| CLASS | PRIMARY SIX |
| DURATION | 2 hours 30 minutes |

Name :

School :

District :

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated "FOR EXAMINER'S USE ONLY"

## SEMAS | Simplified Learning Today

| | |
|---|---|
| **1** Work out: $\dfrac{7}{9} - \dfrac{2}{9}$ | **2** Write **XXV** in words |
| **3** Find the **next** number in the sequence below. 4, 6, 8, 9, ___ ___ | **4** Solve for **X** in $X + 5 = 25$ |
| **5** Simplify: $5 - {}^-7$ | **6** Teacher Aminah put 5 black pens and 4 red pens in a tin. What is the **probability** that a pen picked at random is red? |
| **7** Tom sold a goat at **sh. 160,000** making a profit of **sh. 20,000**. How much had he bought the goat? | **8** Akello was moving towards North and she turned **clockwise** to face Southeast. Through what **angle** did she turn? |

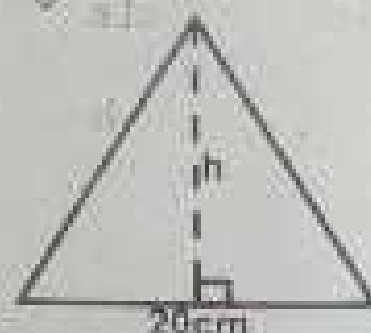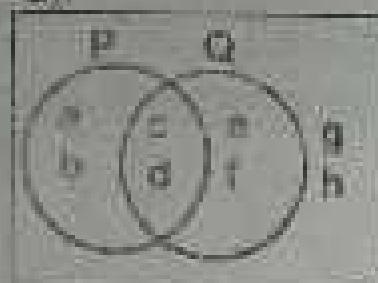| | | |
|---|---|---|
| | | List all subsets of set V |
| 11 | John bought **157** apples on Monday and **148** apples on Tuesday. How many **apples** did he buy altogether? | 12 The average weight of **five** boys in a class is **31kg**. If their teacher joins them, their total weight becomes **225kg**. What is the weight of their **teacher**? |
| 13 | Kityo is **10 years** older than Katamba. If their total age is **50** years, How old is Kityo now? | 14 Angel was given **10%** discount after buying a radio worth sh 40,000. How much was the discount? |
| 15 | With the help of a ruler, a pencil and a pair of compasses only, **construct** an angle of **60°**. | 16 The area of the triangle below is **120 sqcm**. If its base is **20cm**. Find its height. |

find n(P - Q).



9. The LCM of two numbers is **120** and their GCF is 2. If the first number is 40, find the **second** number.

20. **Work out:**   4    $2_{five}$
              + 1    $2_{five}$
              ─────  ─────────

              ─────

## SECTION B: 60 MARKS

*Marks for each part of the question are indicated in the brackets.*

1. In a Primary Six of **120 pupils, 30%** are boys and the rest are girls

a) Find the percentage of girls in the class.

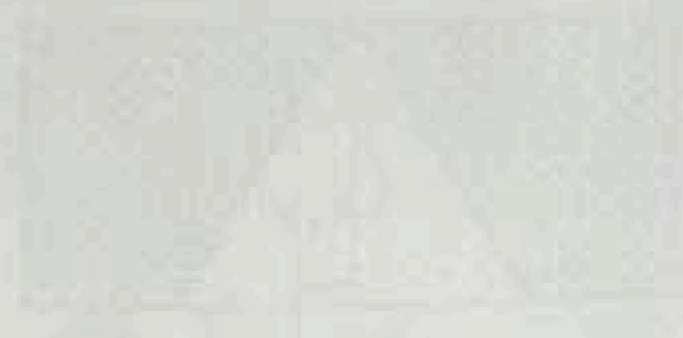(01 mark)

b) How many boys are in the class?

(02 marks)

c) How many more girls than boys are in the class?

(01 mark)

Square ABCD of sides 5cm.

(04 marks)

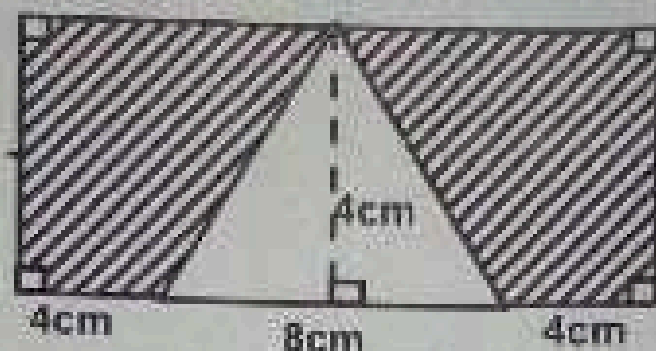b) Work out the total distance around the figure above

(01 mark)

| a) Work out: 5m + 3n - m + 2n | b) | The cost of a chair is sh 30,000 more than the cost of a door. If both items cost sh 90,000. Find the cost of each item |
|---|---|---|
| (02 marks) | | (03 marks) |

follow



a) Calculate the area of the inner figure.

(02 marks)

b) Work out the **area** of the rectangle
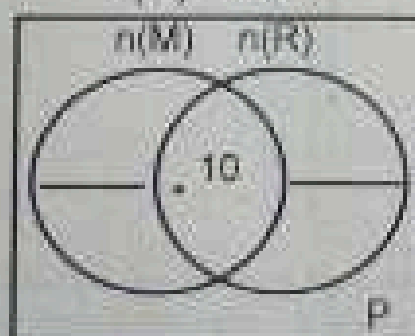
(02 marks)

c) Calculate the area of the region.

(01 mark)

25  In Kiwafu Village of **150** farmers, **30** farmers planted maize **only** (M), 43 farmers planted rice (R) **only**, 10 farmers planted both crops while P farmers did not plant any of the two crops.

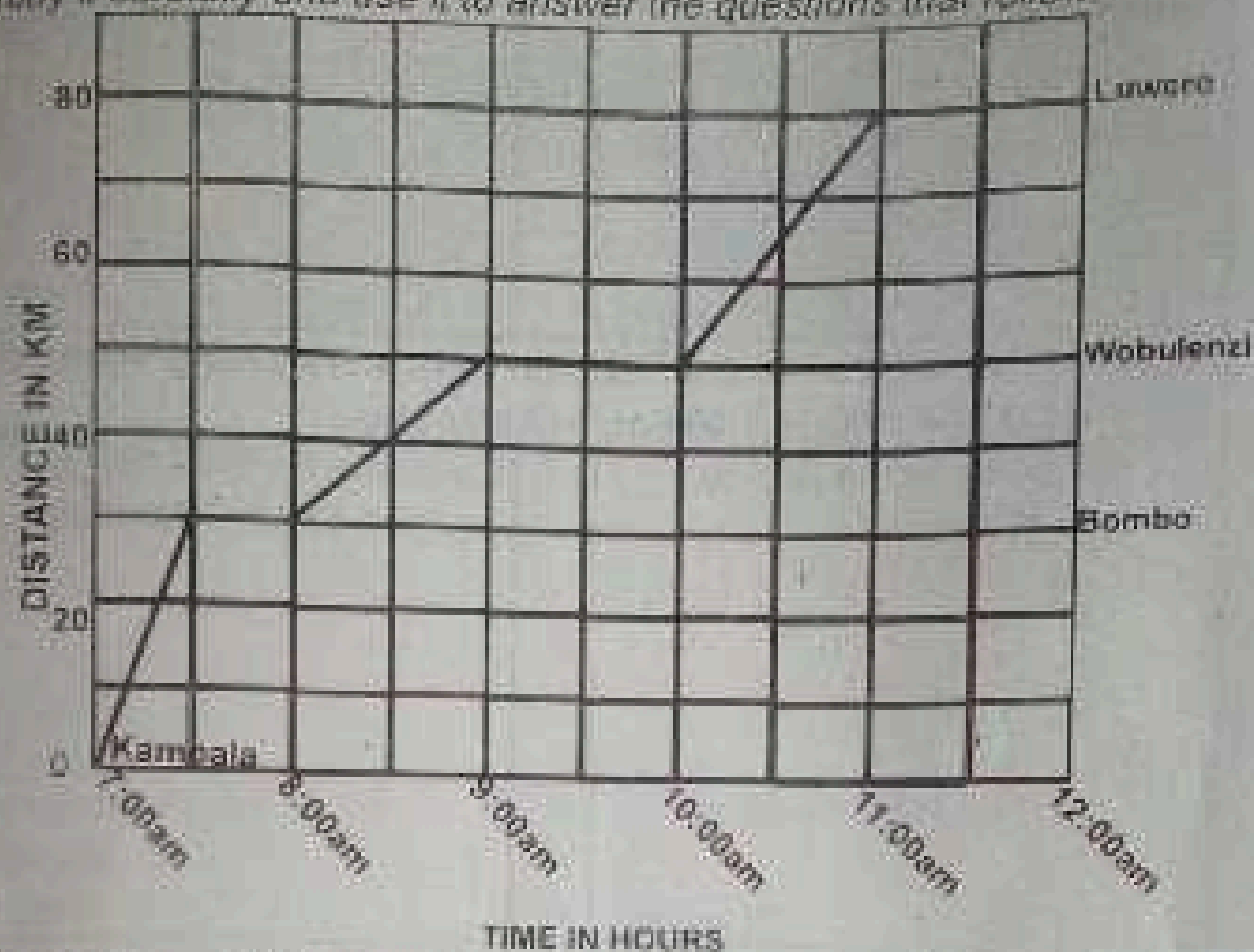a) Use the above information to complete the venn diagram below

n(Σ) = 150



(02 marks)

How many **farmers** planted
i) maize?

c) Find the number of **farmers** who did not plant any of the two crops.

ii) rice?

*(01 mark)*

*(02 marks)*

6. Mr. Kitamilike left his home at **7:30a.m** driving at a steady speed of 90m/h and arrived at school at **9:00a.m** the same day.

a) For how long did he take to reach at school?

b) Calculate the total distance covered by Mr. Kitamilike.

*(02 marks)*

*(02 marks)*

7. a) Expand 4,395 using powers of ten.

*(02 marks)*

b) Amron was given three cards: 6  4  9

Form the **smallest** and the **biggest** three digit numbers from the above cards

*(02 marks)*

The graph below shows how Maria travelled from Kampala to Luwero. Study it carefully and use it to answer the questions that follow.



a) At what time did she depart from Kampala?

(01 mark)

b) How far is Bombo from Kampala?

(01 mark)

c) For how long did she take while resting at
i) Bombo?

(01 mark)

ii) Wobulenzi?

(01 mark)

d) At what time did he arrive at Luwero?

(01 mark)

questions that follow:
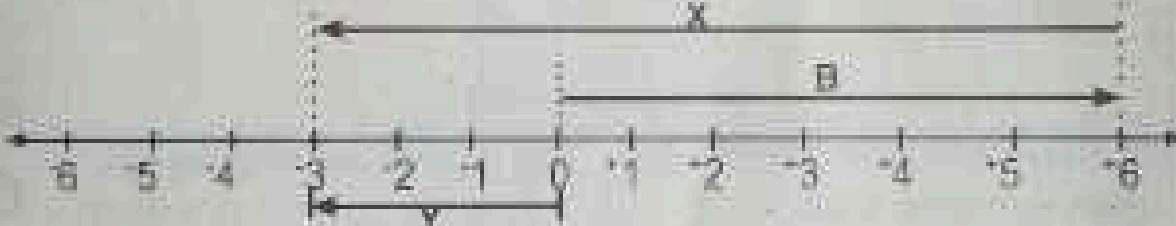
1 US dollar = Ug.sh 3600

1 British Pound Sterling = Ug sh 4000

1K.sh = Ug sh 30

a) How much in Uganda shillings will one get if he has 200 US dollars?

(02 marks)

b) Nakiwala had 400,000 Kenya shillings. how much will she get in British Pound Sterling?

(03 marks)

10 a) The sum of **three consecutive** **even** numbers is **66**.

Find the numbers.

(04 marks)

b) Work out their **range.**

(02 marks)

**31** A mother shared sh 120,000 among her daughters: Shamim, Sharon and Shifah in a ratio of 2:3:5 respectively.

a) How much did each of them get?

(i) Shamim

(ii) Sharon

(iii) Shifah

(03 marks)

b) How much more money did Shifah get than Shamim?

(02 marks)

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



a) Write down the integers represented by the following arrows:

i) B = _____

ii) X = _____

iii) Y = _____

(03marks)

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

(02marks)