

THE SIPRO BEGINNING OF TERM I EXAMINATIONS - 2025
PRIMARY SEVEN
MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Index No.

| | | | | | | | | |
|-------------------|--|--|--|--|--|---------------------|--|--|
| Random No. | | | | | | Personal No. | | |
| | | | | | | | | |

Candidate's Name: _____

Candidate's Signature: _____

School Random No. _____

District ID: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
2. Section **A** has **40** questions (**40** Marks).
3. Section **B** has **15** 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"

For Examiner's Use Only:

| PAGES | MARKS | INITIALS |
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Please turn over



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SECTION A: 40 MARKS

Attempt all questions in this section.
Questions 1 to 20 carry two marks each.







1. Work out;

$$\begin{array}{r} 4 \quad 3 \\ + 2 \quad 5 \\ \hline \end{array}$$

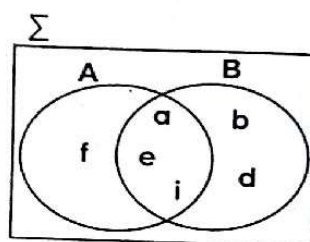
2. Find the number of **five hundred** coins that are in a **ten thousand shilling** note.
3. Round off **6972** to the nearest hundreds.
4. Given that set $K = \{c, h, a, i, r\}$. Calculate the number of subsets in set K .
5. Find the **L.C.M** of **5** and **6**.
6. Write the place value of **4** in the number **942,007**.



7. Solve for p : $2p + 7 = 11$

8. Given that  represents 15 trees, how many trees are represented by      ?

9. Find the complement of $A \cap B$.



10. The meeting that ended at **11:45 a.m.** took $1\frac{1}{2}$ hours. At what time did the meeting start?

11. Simplify: $\frac{3}{4} \times \frac{1}{9}$

12. If one **Kenyan shillings** is equivalent to **two hundred fifty Uganda shillings**, how much Uganda shillings can one get from twelve **Kenyan shillings**?



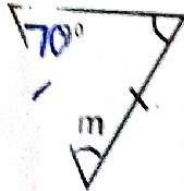
13. Simplify; $-4 + 10$

14. Find the grammes that are in 250kg.

15. Find the missing numbers.

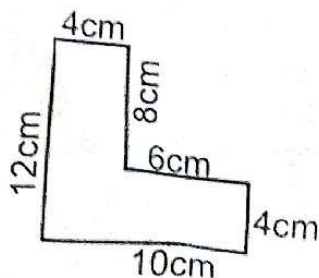
134, 128, 122, 116, _____, _____

16. Calculate the size of angle marked m .



17. The temperature of ice in the morning was -4°C and it rose to 7°C in the evening. Find the temperature range.

18. Find the perimeter of the figure below.



19. Change 0.75 to a simple fraction.

20. Work out:

$$\begin{array}{r} 4 \quad 3 \quad 2_{\text{five}} \\ + 2 \quad 3 \quad 4_{\text{five}} \\ \hline \\ \hline \end{array}$$

SECTION B: 60 MARKS

Attempt all questions in this section.

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

21(a) Simplify: $2y - 3k + 7y - 10k$.

(02 marks)

(b) I thought of a number, when I doubled it, it became 28. Find the number I thought of.

(03 marks)

22. Complete the table below.

(04 marks)

| | | | | |
|----------------|-----|-----|-----|-----|
| Hindu-Arabic | 100 | ___ | 155 | 199 |
| Roman numerals | ___ | CV | ___ | ___ |



23. A woman visited a shop and found the price list below:

- 5 tomatoes at sh. 2,500
- A kg of onions at sh. 3,000
- A cluster of bananas at sh. 6,000.
- A kg of beans at sh. 4,000.

(a) How much will one pay for 3kg of onions, 5 clusters of bananas and 2 tomatoes?

(03 marks)

(b) If the woman had sh. 20,000 and bought all the items on the list, find her change.

(03 marks)

24(a) Express 144 as a product of its prime factors.

(02 marks)

(b) Work out the square root of 0.64.

(03 marks)



25. Use a ruler, pencil and a pair of compasses to construct a square **ABCD** of side **5cm**.

(05 marks)

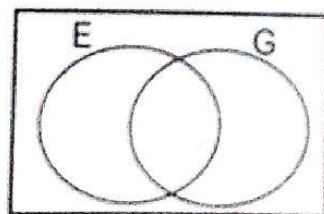
- 26(a) Use the information to complete the venn-diagram below.

(03 marks)

$$E \cap G = \{a, b, c\}$$

$$E \cup G = \{a, b, c, d, e, f, g, h, i, j, \}$$

$$\text{Set } E = \{a, b, c, e, h, i\}$$



- (b) Find $n(G)$

(02 marks)



27(a) Work out;

(02 marks)

$$\begin{array}{r} 7894 \\ + 5678 \\ \hline \\ \hline \end{array}$$

(b) Find the difference between 900,243 and 873,009.

(02 marks)

28(a) Complete using $>$, $<$ or $=$.

(i) $-4 + 3$ _____ $-4 - 3$

(02 marks)

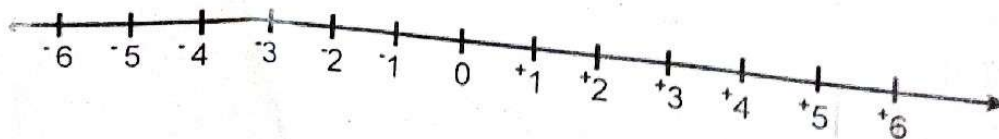
(ii) -8 _____ $+8$

(01 mark)

(b) Use the number line below to work out:

$+3 - 5$

(03 marks)



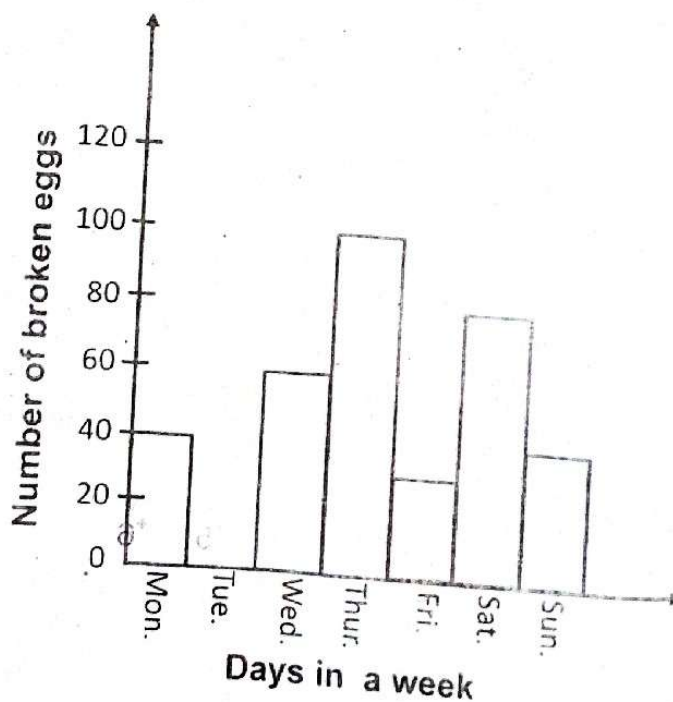
29(a) Decrease 480 goats in the ratio of 3:8.

(02 marks)

(b) In a class of 120 pupils, $\frac{1}{4}$ are boys and the rest are girls. Find the percentage of girls in the class.

(03 marks)

30. The graph below shows the number of broken eggs on each day of the week.



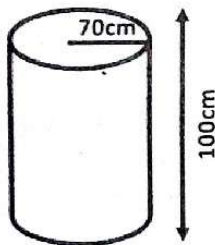
(a) How many more eggs got broken on Thursday than on Sunday? (02 marks)

(b) Find the average number of broken eggs. (03 marks)

31(a) Express **105** days as weeks. (02 marks)

(b) A motorist travelled a distance of **150km** in **180** minutes. Calculate the speed he used in kilometres per hour. (03 marks)

32(a) Find the volume of the cylinder below. (03 marks)



(b) Calculate the capacity of the cylinder. (02 marks)

