# THE SIPRO END OF TERM II EXAMINATIONS 2024

SUBJECT : MATHEMATICS

CLASS : PRIMARY THREE

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"

**For Examiner's Use Only;**

| PAGES | MARKS | INITIALS |
|---|---|---|
| Page 1 | | |
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| Total | | |

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:**

$$\begin{array}{r} 8\ 3 \\ -\ 5\ 1 \\ \hline \\ \hline \end{array}$$

2. Find the sum of the value of **8** and the value of **3** in the number **2834**.

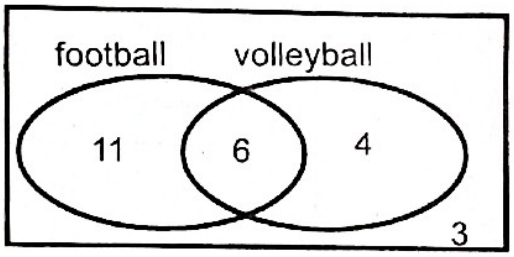
3. Complete the **sequence** below:

53, 55, 57, 59, ____, ____

4. Mr. Masaba's son is **28 years** old. Draw tallies to represent his age.

5. **Work out:** $\frac{3}{4} + \frac{2}{7}$

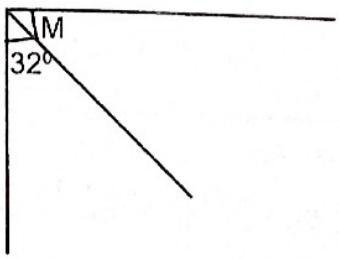
6. The venn diagram below shows boys who play football and volleyball in a team.

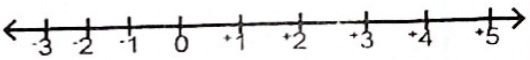
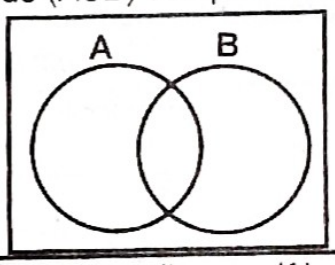



Find the probability of picking a member who plays both football and volleyball.

7. **Solve for y:** $y + 15 = 36$.

8. Work out the value of **M**.



| | | | |
|---|---|---|---|
| 9. | Use a protractor and a pencil to **draw** an angle of $95^0$. | 10. | A boy paid **sh.60,000** for a pair of shoes, if he sold it at **sh. 65,000.** Find the gain the boy made. |
| 11. | Find the **GCF** of **18** and **24**. | 12. | Represent +3, and -2 on the number line below using arrows.<br>  |
| 13. | **Simplify:** 3y + 4 - 2y - 6. | 14. | Shade (AUB) complement.<br>  |
| 15. | A twenty - litre jerrycan of milk was collected by a milkman. If he decided to pack the milk into a **250ml** container; how many containers did he get? | | |
| 16. | Express **57** as Roman numerals. | 17. | If 🌳 represents 15 trees. **Draw** pictos for **60** trees. |
| 18. | Use either **<** or **>** or **=** to complete correctly:<br>6 coins of sh. 1,000_____2 notes of sh. 10.000. | | |

| | | | |
|---|---|---|---|
| 19. | Mercy started walking at **10:45 a.m.** and reached her destination at **1:20 p.m.** For how long did she walk? | 20. | Name the figure below.  |

## SECTION B: 60 MARKS

*Attempt* **all** *questions in this section.*

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

21.a) State the place value of the underlined digit in 367.8<u>4</u>5. *(01mark)*

| | | | |
|---|---|---|---|
| (b) | Round off **367.845** to the nearest whole number. *(02 marks)* | (c) | Expand **4235.78** using powers of **ten**. *(02 marks)* |

22. A lorry carried 360 big boxes, each big box contained 12 matchboxes and each matchbox contained 45 matchsticks.

(a) How many matchboxes were carried? *(02 marks)*

(b) If fifty - three big boxes were sold, how many matchsticks remained? *(03 marks)*

23.a) In the space below, **draw** an equilateral triangle of sides **5cm**. *(03 marks)*

(b) Calculate the **perimeter** of the triangle. *(01mark)*

24. The sum of three consecutive **odd** numbers is **63**.

(a) Find the numbers. *(03marks)*

(b) Calculate their **average**. *(02 marks)*

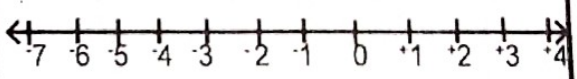
25.a) Arrange the integers below in descending order.

$^{-}2,\ ^{+}3,\ 0,\ ^{-}1,\ ^{-}8,\ ^{+}4$

*(02 marks)*

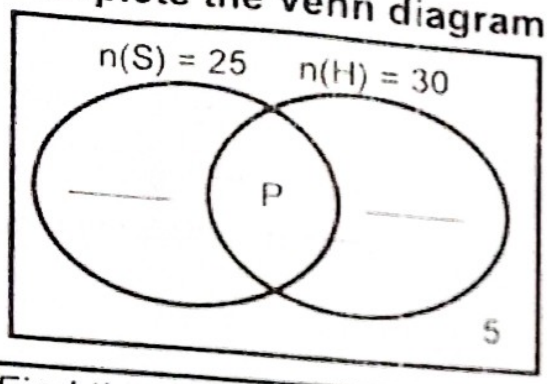
(b) Use the number line to work out:

$^{+}3\ -\ ^{-}9$. *(02 marks)*



26. At a party attended by 50 guests, 25 guests took soft drinks (S), 30 took hard drinks (H), some guests took both drinks while 5 took neither of the drinks.

(a) **Complete the Venn diagram using the above information.** *(02 marks)*

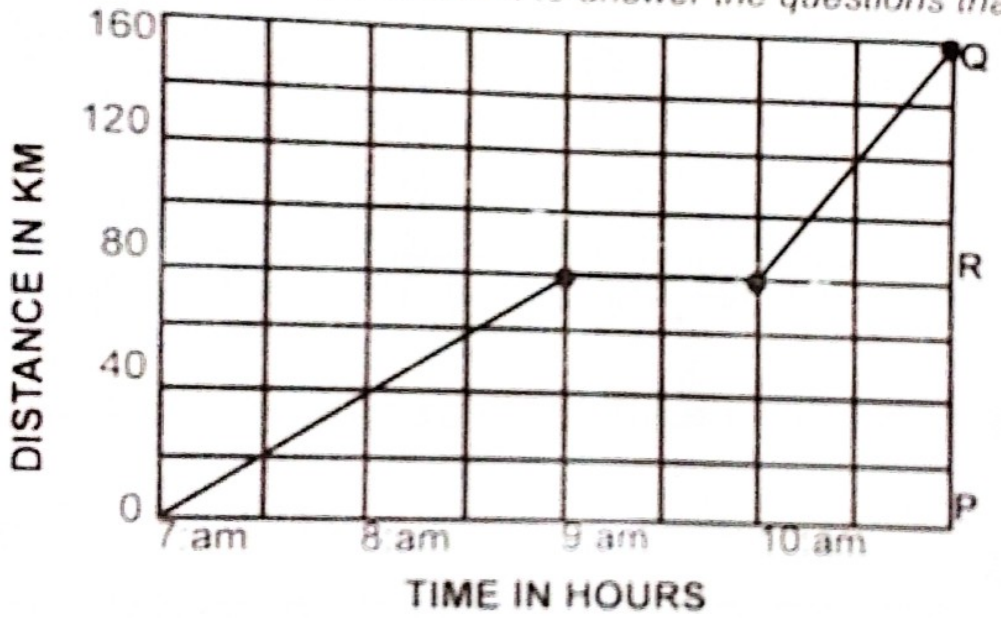



(b) Find the number of guests who took both drinks.

*(02 marks)*

(c) Work out the number of guests who took only one drink. *(02 marks)*

27. The graph below shows the motorist travelling from town P to town Q through town R. *Study and use it to answer the questions that follow.*




(a) For how long did the motorist stay at town R? *(02 marks)*

| | | |
|---|---|---|
| (b) | Find the average speed for the whole journey. *(03 marks)* | |
| 28.a) | Increase sh. 360,000 by 20%. *(02 marks)* | |
| (b) (i) | In a class of 60 pupils, 10% likes Mathematics and the rest likes Science. What fraction of pupils likes Science? *(01 mark)* | (i) How many pupils like Science? *(02 marks)* |
| 29.a) | A lady bought **675000g** of cushion. Express the mass in kilogrammes. *(02 marks)* | |
| (b) | **Work out:** • Litres Millilitres *(02 marks)*<br>10 764<br>+ 25 850 | |

30. (a) A trader made a profit of **sh. 65,000** after selling an item at **sh. 360,000**. Find the buying price of the items. *(03 marks)*

(b) If the buying price was reduced by **sh. 5,000**, calculate the new buying price of the item. *(02 marks)*

31. *The table below shows marks scored by a pupil in Mid - term II examinations.*

| ENG | SST | MTC | SCI |
|---|---|---|---|
| 25% | 30% | 25% | 20% |

Construct a pie chart of radius **4.5 cm** to represent the information above. *(06 marks)*

32. Given that; X = 4, P - 5 and R = 6
Work out:

(a) prx *(02 marks)*

(b) 2p - 5x *(02 marks)*