

THE SIPRO END OF TERM II EXAMINATIONS 2024

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"

For Examiner's Use Only:

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please turn over



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PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & PUPILS' COMPANIONS

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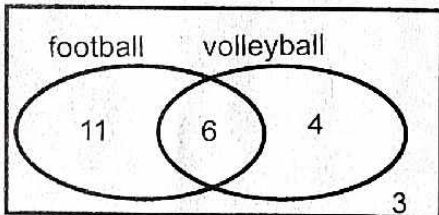
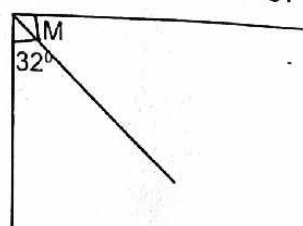
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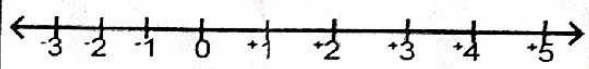
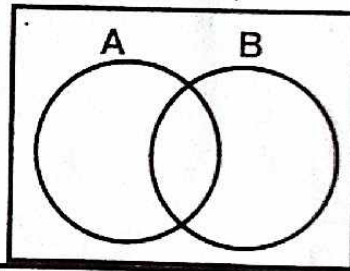

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SECTION A: 40 MARKS

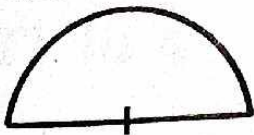
Attempt **all** questions in this section.

Questions 1 to 20 carry **two** marks each.

1.	Work out: $\begin{array}{r} 83 \\ - 51 \\ \hline \\ \hline \end{array}$	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.	<p>The venn diagram below shows boys who play football and volleyball in a team.</p> <div style="text-align: center;"></div>		
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° .	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. 
13.	Simplify: $3y + 4 - 2y - 6$.	14.	Shade (AUB) complement. 
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: 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. 
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SECTION B: 60 MARKS

Attempt **all** questions in this section.

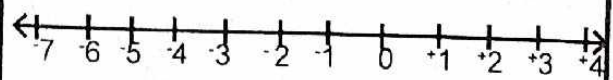
Marks for each part of the question are **indicated** in the brackets.

21.a)	State the place value of the underlined digit in 367. <u>8</u> 45. (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)		



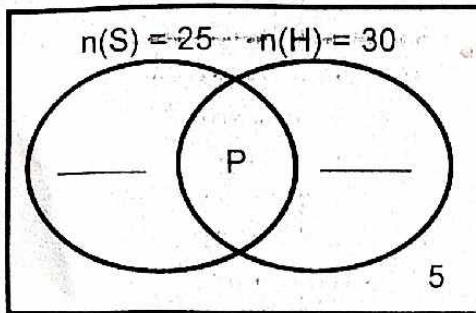
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P.6 MATHEMATICS END OF TERM II EXAMINATIONS - 2024

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

23.a)	In the space below, draw an equilateral triangle of sides 5cm . (03 marks)
(b)	Calculate the perimeter of the triangle. (01mark)
24. (a)	The sum of three consecutive odd numbers is 63 . 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.

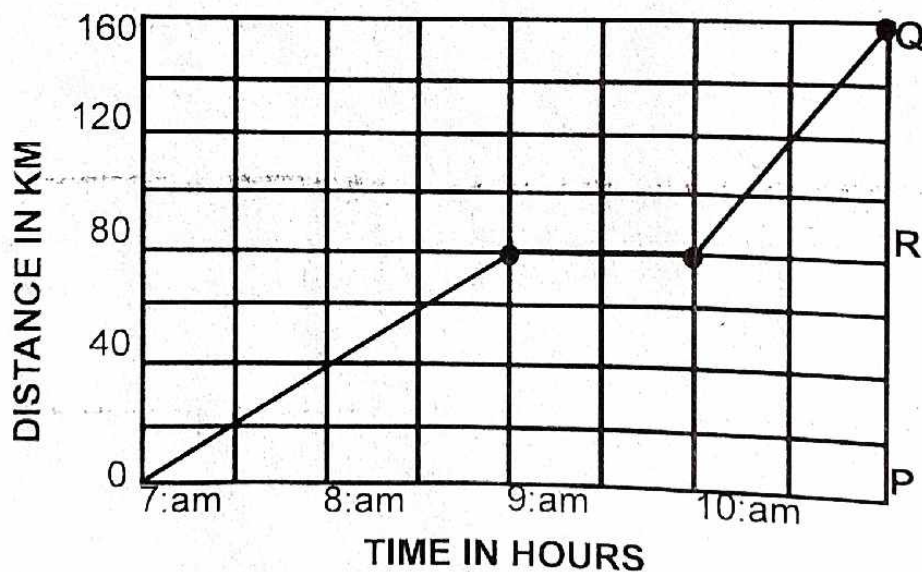
(a) Complete the Venn diagram using the above information. (02 marks)



- (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)	<table border="1"> <tr> <td data-bbox="161 790 694 1305"> In a class of 60 pupils, 10% likes Mathematics and the rest likes Science. What fraction of pupils likes Science? (01 mark) </td><td data-bbox="694 790 1426 1305"> (i) How many pupils like Science? (02 marks) </td></tr> </table>	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)
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 <div style="margin-left: 100px;"> 10 764 + 25 850 <hr style="width: 100%; border: 0.5px solid black;"/> <hr style="width: 100%; border: 0.5px solid black;"/> </div>		

30.	A trader made a profit of sh. 65,000 after selling an item at sh. 360,000 . (a) 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.	<p>The table below shows marks scored by a pupil in Mid - term II examinations.</p> <table border="1"> <tr> <td>ENG</td> <td>SST</td> <td>MTC</td> <td>SCI</td> </tr> <tr> <td>25%</td> <td>30%</td> <td>25%</td> <td>20%</td> </tr> </table> <p>Construct a pie chart of radius 4.5 cm to represent the information above. (06 marks)</p>	ENG	SST	MTC	SCI	25%	30%	25%	20%
ENG	SST	MTC	SCI						
25%	30%	25%	20%						
32.	<p>Given that; $X = 4$, $P = 5$ and $R = 6$ Work out:</p> <p>(a) prx (02 marks)</p> <p>(b) $2p - 5x$ (02 marks)</p>								

