

THE SIPRO BEGINNING OF TERM I 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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SECTION A: 40 MARKS

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

1. Describe the shaded region on the venn diagram below.



2. Write 14 in Roman numerals.

3. Find the value of $\frac{3}{4} \times 28$.

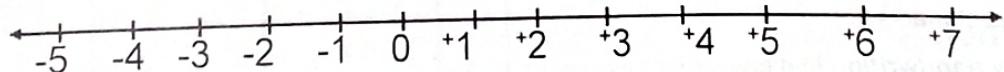
4. Find the next number in the sequence:

1, 3, 6, 10, 15, 21, _____

5. Walusimbi bought a toy car at sh.20,000 and sold it at sh 15,000. Find the loss he made.

6. Work out; $4379 + 23$.

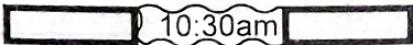
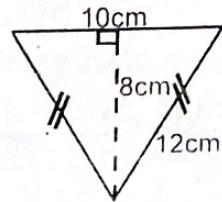
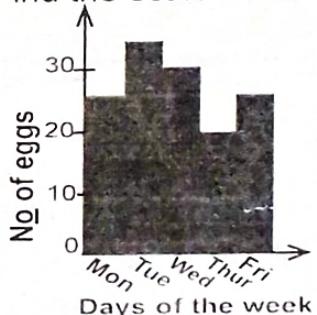
7. Draw an arrow to show $+4$ on the number line below.



8. Solve; $5a = 25$

9. Mubiru's birthday cake weighed 15.76kg and Mwebaza's birthday cake weighed 22.64kg. Find the total weight of the cakes.



10.	Find the sum of all prime numbers between 10 and 20.	11.	Work out the range of 80, 70, 90 and 90.
12.	Use the watch below to answer the question that follows. Write the time shown in words. 	13.	Find the distance round the figure below. 
14.	Use a pencil, a ruler and a pair of compasses only to construct angle 90° .	15.	The graph below shows eggs collected in a week. Find the scale on the vertical axis. 
16.	Given that set $Y = \{\text{book, pen, paper}\}$ and set $Q = \{\text{ruler, pen, pencil, paper}\}$. Find $n(Q \cap Y)$	17.	Work out; litres millilitres $\begin{array}{r} 92 \\ - 17 \\ \hline \end{array} \quad \begin{array}{r} 758 \\ 621 \\ \hline \end{array}$
18.	Simplify; $3b + 4b - b$.		



19.	Expand 7,623 using values.	20.	Amutuhaire has a note of sh.5,000; how many notes of one thousand shillings does she have?
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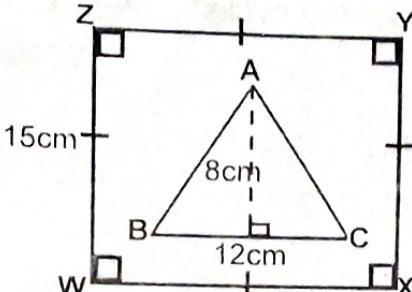
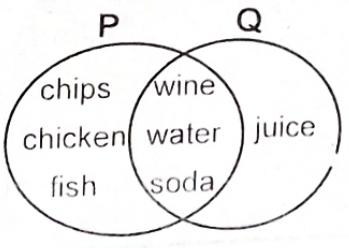
SECTION B: 60 MARKS.

Attempt all questions in this section.

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

21.a)	Solve; $3v - 6 = 15$ (03 Marks)	b)	John is 3 years older than Joseph. If Joseph is 15 years, find their total age. (02 Marks)
22.	Nabuwembo went to the market with a fifty thousand shilling note and bought the following items; 3kg of groundnuts at sh.8000 per kg. $1\frac{1}{2}$ kg of sugar at sh.4000 each kg. 4 packets of tea leaves at sh.2000.		
a)	Calculate her total expenditure. (03 Marks)	b)	Work out her change . (02 Marks)



23.	<p>Use the figure below to answer the questions that follow.</p> 	(a)	<p>Find the area of figure WXYZ. <i>(02 Marks)</i></p>
(b)	<p>Work out the area of figure ABC. <i>(02 Marks)</i></p>	(c)	<p>Calculate the area of the space not covered by figure ABC. <i>(02 Marks)</i></p>
24.	<p>Use the venn diagram below to answer the questions that follow.</p> 	(a)	<p>List elements of set P. <i>(02 Marks)</i></p>
(b)	<p>How many elements are in set P - Q? <i>(02 Marks)</i></p>	(c)	<p>Find $n(P \cap Q)$. <i>(02 Marks)</i></p>

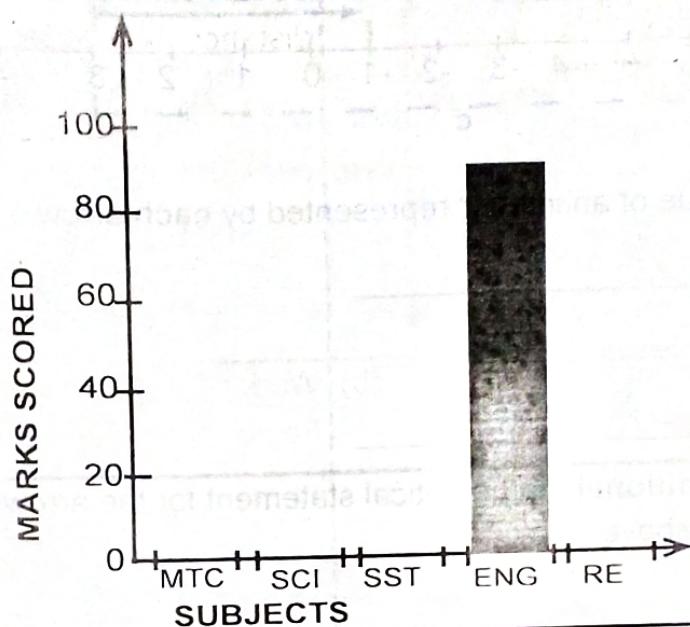
25.a)	<p>Work out; weeks days</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">4</td><td style="text-align: center;">5</td></tr> <tr> <td style="text-align: center;"><u>+ 3</u></td><td style="text-align: center;"><u>1</u></td></tr> <tr> <td colspan="2" style="text-align: center;"><hr/></td></tr> </table> <p style="text-align: center;">(02 Marks)</p>	4	5	<u>+ 3</u>	<u>1</u>	<hr/>		(b)	<p>A cyclist travelled at a speed of 70km/h in 2 hours to cover a certain distance. Work out the distance the cyclist covered.</p> <p style="text-align: right;">(02 Marks)</p>
4	5								
<u>+ 3</u>	<u>1</u>								
<hr/>									
26.a)	<p>Find the product of the fourth and seventh even numbers.</p> <p style="text-align: center;">(02 Marks)</p>	(b)	<p>Work out the Greatest Common Factor of 18 and 12.</p> <p style="text-align: right;">(02 Marks)</p>						
27.a)	<p>Write the place value of 4 in 76.42.</p> <p style="text-align: center;">(01 Mark)</p>	(b)	<p>Arrange 0.7, 0.3, and 0.5 in ascending order.</p> <p style="text-align: right;">(04 Marks)</p>						
28.a)	<p>Round off 2789 to the nearest hundreds.</p> <p style="text-align: center;">(02 Marks)</p>	(b)	<p>Find the sum of the value of 6 and value of 2 in 67,528.</p> <p style="text-align: right;">(03 Marks)</p>						



29.a)

Use the table below to complete the bar graph. (04 Marks)

MTC	SCI	SST	ENG	RE
90	60	80	90	70



b)

Calculate the **average** mark.

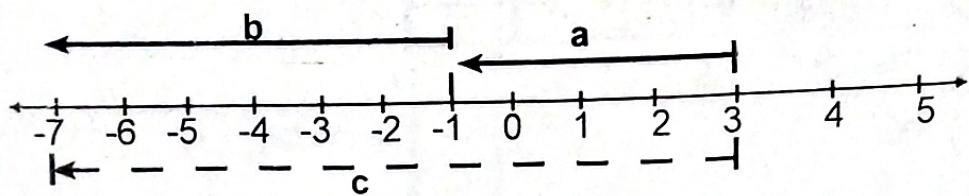
(02 Marks)

30.

Using a ruler, a pencil and a pair of compasses only, construct a **square** ABCD of sides 6cm. (04 Marks)



31. Use the number line below to answer the questions that follow.



(a) Give the value of an integer represented by each arrow. (03 Marks)

(i) $a =$ _____

(ii) $b =$ _____

(iii) $c =$ _____

(b) Write the additional mathematical statement for the arrows on the number line above. (02 Marks)

32.a) Work out ; 8 6 2 1
 - 7 3 2

_____ (02 Marks)

b) A school head teacher spent school fees of 5 children each paying sh. 400,000 such that he pays sh.50,000 to each teacher as weekly allowance. How many teachers did he pay using the money he collected? (03 Marks)

