

## THE SIPRO MID - TERM III EXAMINATIONS 2023

SUBJECT : MATHEMATICS  
CLASS : PRIMARY FIVE  
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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**SEMAS**


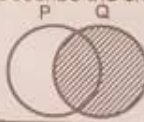
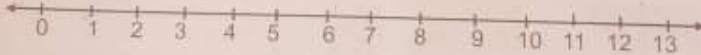
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## SECTION A: 40 MARKS

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

SECTION A: 40 MARKS											
Attempt all questions in this section											
Questions 1 to 20 carry two marks each.											
1.	Draw a <b>cuboid</b> in the space below	2.	Complete the sequence below (2, 3, 5, 7, __, 13, __)								
3.	Find the <b>number</b> represented by the tally symbols below. <div style="display: flex; justify-content: space-around;"> <span>    </span> <span>    </span> <span>    </span> <span>    </span> <span>    </span> <span>    </span> <span>   </span> </div>	4.	Convert $\frac{13}{4}$ to a <b>mixed number</b> .								
5.	Using a pair of compasses only, construct angle $60^\circ$ .										
6.	<b>Work out:</b> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>hour</td> <td>min</td> </tr> <tr> <td>6</td> <td>35</td> </tr> <tr> <td>- 2</td> <td>55</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> </table>	hour	min	6	35	- 2	55	<hr/>		7.	Given that set $K = \{\text{odd numbers between 0 and 5}\}$ set $L = \{\text{even numbers between 0 and 3}\}$ . Find $n(K \cup L)$ .
hour	min										
6	35										
- 2	55										
<hr/>											
8.	3 books cost sh:2,400. Find how much one book costs at the same rate.	9.	Which <b>digit</b> is in the place value of ten thousands in 675,293?								



10.	Divide 414 by 3.	11.	Convert 13kg to grams.
12.	By showing working, fill in the missing number in the box. $\square \times 2 = 10$		
13.	Change XXVII in Hindu-Arabic numerals.	14.	Work out the difference between 735 and 517.
15.	Calculate the LCM of 6 and 8.	16.	On the clock, show a quarter past 8. 
17.	Given that $P = 73$ and $Q = 21$ , find the sum of P and Q.	18.	Describe the shaded region. 
19.	Represent $9 + 3$ on the number line below. 		
20.	Work out the mean of 12, 13, 8, 11 and 6.		

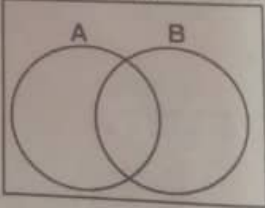


**SECTION B: 60 MARKS.**

Attempt all questions in this section.

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

Attempt all questions in this section. Marks for each part of the question are indicated in the brackets.

21.	<p>a) Work out: <math>12 \div \frac{1}{4}</math></p> <p style="text-align: right;">(02 Marks)</p>	b	<p>Kato has 24 mangoes in the basket, he sold <math>\frac{2}{3}</math> of them to Mukasa. Find the number of mangoes he sold</p> <p style="text-align: right;">(02 Marks)</p>										
22.	<p>a) Work out:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Hour</td> <td>min</td> </tr> <tr> <td>5</td> <td>45</td> </tr> <tr> <td>+ 2</td> <td>35</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td colspan="2"><hr/></td> </tr> </table> <p style="text-align: right;">(02 Marks)</p>	Hour	min	5	45	+ 2	35	<hr/>		<hr/>		b	<p>If it is a quarter to 7 o'clock in the afternoon, write the point of time in figures.</p> <p style="text-align: right;">(02 Marks)</p>
Hour	min												
5	45												
+ 2	35												
<hr/>													
<hr/>													
23.	<p>Given that; set A = {all vowel letters} and set B = {b, r, e, a, d}</p> <p>(a) Find <math>n(A \cap B)</math></p> <p style="text-align: right;">(03 Marks)</p>	b)	<p>Represent the above information on the venn diagram below.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(03 Marks)</p>										



24 a)	Work out; $142_{\text{five}}$ $- 13_{\text{five}}$ <hr/> <hr/>	(b)	Convert $18_{\text{ten}}$ to base five.
	(02 Marks)		(02 Marks)

25. Mubiru bought the following items:

a) Complete the blank spaces correctly.

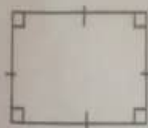
Item	Quantity	Unit price	Total price
Bread	3 loaves	Sh. 5,000 each loaf	Sh. _____
Soap	_____ bars	Sh. 5400 per bar	Sh. 10,800
Rice	2kg	Sh. _____	Sh. 12,000
Total expenditure			Sh. _____

(04 Marks)

(b) If he was given a change of sh. 2,200, how much did he have at the beginning?

(02 Marks)

26.a) Show all lines of folding symmetry in the square below.



(02 Marks)



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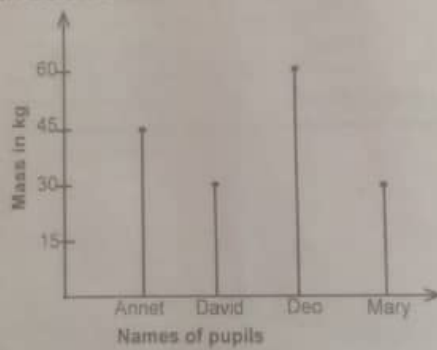
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(b) Use a pair of compasses, a ruler and a pencil to construct an equilateral triangle of side 3.5cm.

(04 Marks)

27. The graph below shows the mass of 4 pupils in primary five.



a) Who is the heaviest pupil?

(02 Marks)

(b) Change the mass of Mary to grammes.

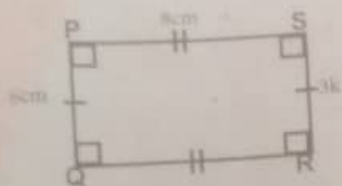
(02 Marks)

c) Work out the difference in the mass of Annet and David.

(02 Marks)



28 PQRS is a rectangle. Study and use it to answer the questions that follow.



a) Find the value of  $k$ .

(02 Marks)

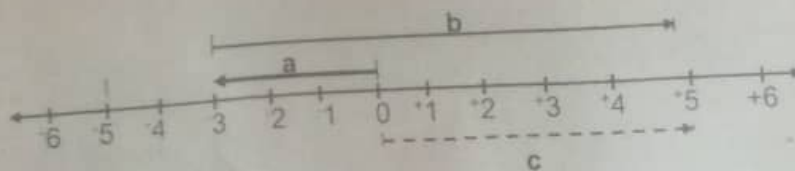
b) Calculate the distance round the shape.

(02 Marks)

29.a) Complete the statement below using  $>$ ,  $<$  or  $=$   
 $-4 + 7$  \_\_\_\_\_  $-2 + 7$

(02 Marks)

b) Write the mathematical statement on the number line below.



(03 Marks)

30.a)	A taxi carries 14 passengers each trip. How many passengers will a taxi carry in six days, if it makes 3 trips in a day?	(b)	Work out: $46 - 23 + 17$ .
	(03 Marks)		(02 Marks)
31.a)	Work out the sum of the first three odd numbers.	b)	List all the square numbers between 2 and 20.
	(02 Marks)		(02 Marks)
32.a)	Solve for k: $k = 13$ 12	b)	Solve for t: $t + 3 = 7$
	(02 Marks)		(02 Marks)
(c)	Write in short form: 6 cows + 4 cows + 2 cows		