

THE SIPRO MID-TERM II EXAMINATIONS 2023

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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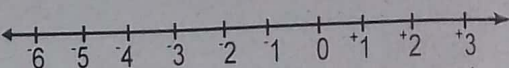
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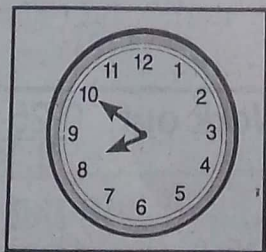
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SECTION A: 40 MARKS

Questions 1 to 20 carry two marks each

1	Work out: 23×3	2	Write 67 in Roman numerals.
3	Given that set $W = \{1, 3, 6, 10, 15\}$; set $K = \{1, 2, 3, 4, 5, 6, 7\}$. Find $n(W \cap K)$.	4	Show -4 on the number line below. 
5	A book costs sh 500 more than a pen. Find the cost of a pen, if their total cost is sh 2500 .	6	Wahata counted children in class as . How many children did he count?
7	Work out; $\frac{2}{3} - \frac{1}{5}$	8	Find the value of a; If $a^2 = 36$.
9	Wandera bought 4 phones at sh158,000. What is the cost of each phone at the same rate?	10	Using a pair of compasses, a ruler and a pencil, construct an angle of 90° .

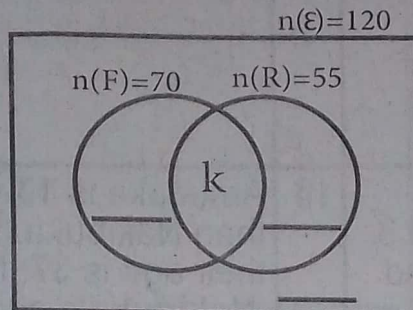
11	Work out; hours min 5 35 + 4 40 _____	12	Express 4.5 m to centimeters .
13	Subtract; $321_{\text{five}} - 24_{\text{five}}$	14	Given that set $K=\{\text{smart,phone,TV}\}$. List all the subsets of set K.
15	Peter scored the following points in a game; 5,-2,0,-7,6,3. Arrange the points he scored in ascending order.	16	Amuduka is 13 years younger than Nakibuka.If the total of their age is 37 ; find Nakibuka's age.
17	Express $\frac{3}{4}$ as a decimal number.	18	Find the next two numbers in the sequence below. 4, 6, 8, 9, 10, 12, _____, _____
19	The clock face below shows the morning time the farmer takes his goats for grazing. Tell the time . 	20	Find the supplementary angle of 110° .



SECTION B: 60 MARKS

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

- 21a) In the village meeting attended by **120** people, **70** people took Fanta(F), **55** people took Rwenzori(R) while **20** took some other brands of soda and **k** people took both. **Complete** the venn diagram using the above information.



(03 marks)

- b) Find the **value** of **k**.

(02 marks)

- c) How many people took **only** one drink?

(01 mark)

- 22a) **Simplify;** $-3 - -6$

(02 marks)

- b) From the top of the pit dug, a builder moved downwards **8 steps** and later moved **6 steps** upwards. What is his current step?

(03 marks)

- 23a) Round off **7.678** to the nearest **hundredths**.

(02 marks)

- b) **Work out;** $\frac{0.25 \times 0.6}{0.15}$

(03 marks)

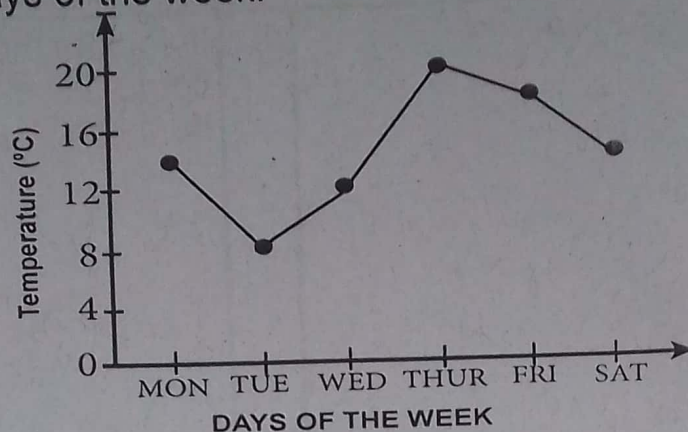


24	<p>Namuyomba went shopping and bought some items as follows.</p> <p>2 $\frac{1}{2}$kg of sugar at sh.4000 a kg.</p> <p>3 loaves of bread at sh.15000</p> <p>5 liters of milk at sh.2000 a litre.</p> <p>5 teacups at sh.5000 each cup.</p> <p>a) Calculate Namuyomba's total expenditure.</p> <p style="text-align: right;">(04 marks)</p>
	<p>b) If Namuyomba remained with sh.40000 after buying all the items, how much money did she go with?</p> <p style="text-align: right;">(02 marks)</p>
25a)	<p>With the help of a ruler, a sharp pencil and a pair of compasses only, construct a regular hexagon in a circle of diameter 5cm</p> <p style="text-align: right;">(03 marks)</p>
b)	<p>Find its perimeter.</p> <p style="text-align: right;">(02 marks)</p>



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The graph below shows the **average** temperature recorded in different days of the week.



a) Which day of the week had the **highest** temperature recorded?

(01 mark)

b) What was the **lowest** temperature recorded?

(01 mark)

c) Which days had the **same** temperature recorded?

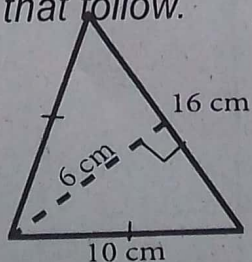
(01 mark)

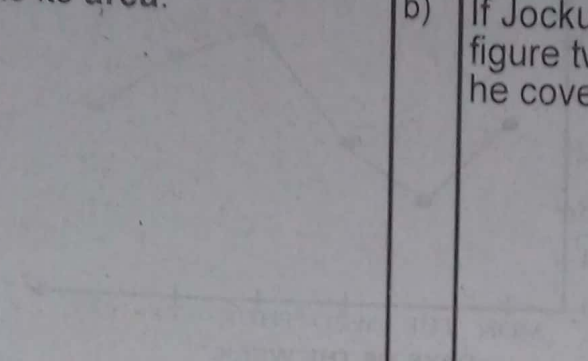
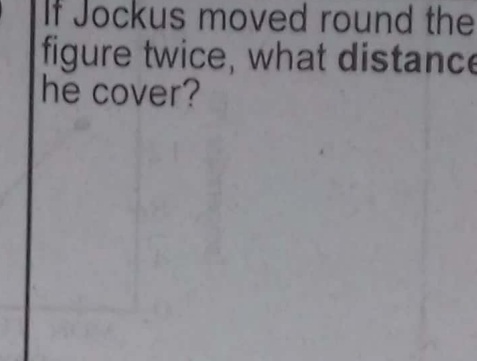
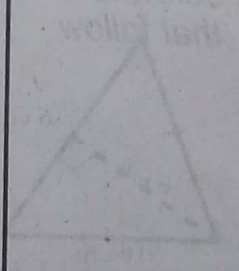
d) Calculate the **average** temperature recorded.

(02 marks)

30

The figure below is an **isosceles** triangle. Use it to answer the questions that follow.



<p>a) Calculate its area.</p>  <p>(02 marks)</p>	<p>b) If Jockus moved round the figure twice, what distance did he cover?</p>  <p>(02 marks)</p>
<p>31a) Work out;</p> $\begin{array}{r} 78625 \\ + 94563 \\ \hline \end{array}$ <p>(02 marks)</p>	<p>b) Share 135 oranges by 3 boys.</p> <p>(02 marks)</p>
<p>32a) When 3 unknown consecutive even numbers are added, their answer is 42. What are the numbers?</p> <p>(04 marks)</p>	<p>b) Calculate the product of the first and the second numbers in "a" above.</p>  <p>(02 marks)</p>

