

SIPRO MID-TERM II EXAMINATION

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"

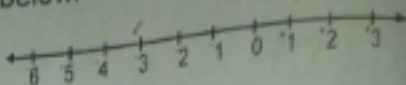
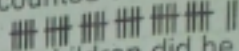
For Examiner's Use Only:


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 TEACHER'S GUIDES, LEARNER'S WORKBOOKS & HOLIDAY ASSIGNMENTS

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° .

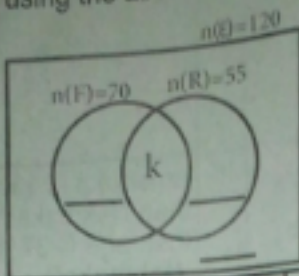
11	Work out; <table> <tr> <td>hours</td> <td>min</td> </tr> <tr> <td>5</td> <td>35</td> </tr> <tr> <td>+ 4</td> <td>40</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td colspan="2"><hr/></td> </tr> </table>	hours	min	5	35	+ 4	40	<hr/>		<hr/>		12	Express 4.5 m to centimeters.
hours	min												
5	35												
+ 4	40												
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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 .  <hr/>	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 Namuyomba went shopping and bought some items as follows.

$2\frac{1}{2}$ kg of sugar at sh.4000 a kg.

3 loaves of bread at sh.15000

5 liters of milk at sh.2000 a litre.

5 teacups at sh.5000 each cup.

a) Calculate Namuyomba's total expenditure.

(04 marks)

b) If Namuyomba remained with sh.40000 after buying all the items, how much money did she go with?

(02 marks)

25a) 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

(03 marks)

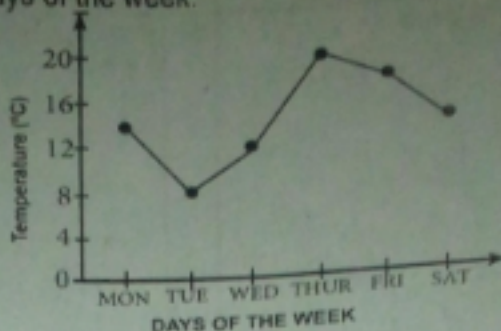
b) Find its perimeter.

(02 marks)

26a)	A man covered a distance of 120km in 2 hours. Calculate the speed at which he was moving.	(02 marks)	b)	Touzako left home at 8:30 am travelling at speed of 80km/h and reached town at 10:30 am. What distance did he cover?	(03 marks)
27a)	Simplify; $2a + 2a - a$.	(02 marks)	b)	Solve; $3w - 6 = 18$	(02 marks)
28	Represent two thousand five hundred seventy six on the abacus below. <div><div>TH</div><div>H</div><div>T</div><div>O</div><div><div></div><div></div><div></div><div></div></div></div>	(02 marks)	b)	What is the sum of the value of 6 and the place value of 4 in 76524?	(02 marks)



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)

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

