

# THE SIPRO MID -TERM III EXAMINATIONS 2022

SUBJECT : MATHEMATICS

CLASS : PRIMARY SIX

DURATION : 2 hours 15 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		
Page 8		
Page 9		
Total		

**Please turn over**





**THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA**

PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & HOLIDAY ASSIGNMENTS

**SECTION: 40 MARKS**

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

1.	<b>Work out:</b> $\begin{array}{r} 58 \\ -34 \\ \hline \end{array}$	2.	Given that set $K = \{2, 4, 8, 5\}$ Find $n(K)$
3.	Expand <b>3,048</b> using place values.	4.	<b>Simplify:</b> $4p + 3p - 5p$
5.	A lorry covered a distance of 248km in 4hours. Find the <b>speed</b> of the lorry.	6.	Using a ruler, a pencil and a pair of compasses only, construct an angle of $90^\circ$ at point A. 
7.	Given that  represents 6 girls. Draw pictos to represent 30 girls.		

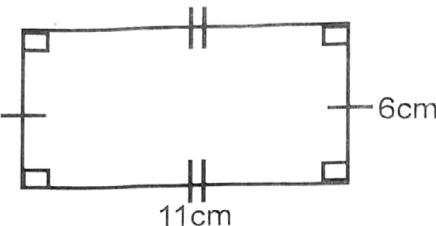
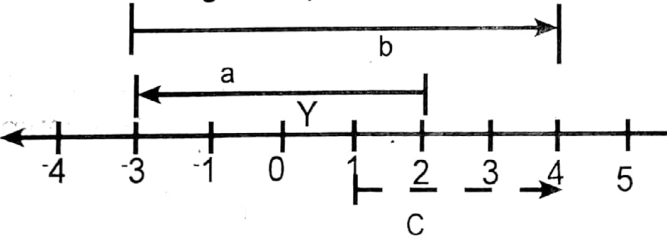


© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

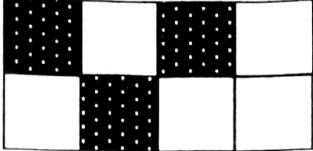
**P.6 MATHEMATICS MID-TERM III EXAMINATIONS - 2022**

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SUMMATIVE GUIDES AND PUPILS COMPANIONS

1

8.	Work out the <b>perimeter</b> of the shape below.		
			
9.	The number of pupils in a school <b>increased</b> in the ratio of <b>4:3</b> . Given that there were 45 pupils, find the number of pupils in the class now.	10.	Find the <b>range</b> of 60, 20, 32, 47 and 74.
11.	Mbabazi made a loss of sh.42,000 after selling a TV set at sh 280, 000. How much had she bought the TV set?	12.	Find <b>L.C.M</b> of 4 and 7.
13.	Express <b>XCVIII</b> in Hindu-Arabic numerals.		
14.	Write the integers represented by the arrows: <div style="text-align: center;">  </div>		
			$a = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$



15.	A forty minute lesson began at 9:30am. At what time did it end?	16.	Write the unshaded fraction on the diagram below. 
17.	Express <b>8kg</b> as <b>grammes</b> .		
18.	A farmer had <b>400</b> goats. He sold <b>124</b> of them. How many <b>goats</b> does he have now?		
19.	Set $P = \{ 0, 2, 4, 6, 8 \}$ and $Q = \{ 1, 2, 3, 4, 5 \}$ . Find <b>P - Q</b>		
20.	Find the <b>next</b> number in the sequence below: 3, 7, 11, 15, ____		



**SECTION B: 60 MARKS**

Attempt **all** questions in this section.

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

21. Amos went shopping and bought the following items;

3kg of sugar at sh.3000 per kg

$1\frac{1}{2}$  litres of cooking oil at sh.6,000 per litre

A loaf of bread at sh.4,000.

2 bars of soap at sh.3,200 each.

a) Work out his total expenditure.

(04Marks)

b) If Amos had **sh. 30,000**, find his **change**.

(01Mark)

22. a) Write **24,024** in words.

(02Marks)

b) **Work out:** 
$$\begin{array}{r} 243_{\text{five}} \\ + 21_{\text{five}} \\ \hline \end{array}$$

(02Marks)

c) Round off 541 to the nearest tens.

(02Marks)



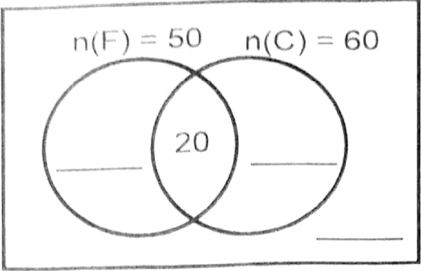
© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911

**P.6 MATHEMATICS MID-TERM III EXAMINATIONS - 2022**

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

4



23	<p>At a party attended by <b>100</b> guests, 50 drank Fanta(F), 60 drank Coke (C), 20 drank <b>both</b> types of soda but <b>x</b> drank none of the two kinds.</p> <p>a) Complete the venn <b>diagram</b> below.</p> <div style="text-align: center;"> <math>n(\Sigma) = 100</math>   </div> <p>(03Marks)</p> <p>b) Find the value of X.</p> <p>(02Marks)</p>
c)	<p>How many pupils never took Coke?</p> <p>(01Mark)</p>
24.a)	<p><b>Work out:</b></p> <div style="text-align: center;"> <math display="block">\begin{array}{r} 7 \overline{) 98} \end{array}</math> </div> <p>(01Mark)</p> <p>b) Find the product of <b>348</b> and <b>8</b>.</p> <p>(02Marks)</p> <p>c) Subtract <b>110</b> from <b>200</b>.</p> <p>(01Mark)</p>



25. a) Using a ruler, a pencil and a pair of compasses only, construct a rectangle **KLMN** where **KL = 7cm** and **LM = 5cm**.
- (04Marks)
- b) Measure the **length** of diagonal **LN**.
- (01Mark)

(04Marks)

b) Measure the **length** of diagonal **LN**.

(01Mark)

- |       |  |
|-------|--|
| 26.a) | Find the distance covered by a car moving at a steady speed of 80km/hr in 4 hours. |
|-------|--|

(02Marks)

- b) Show **4:15** on the clock face below.



(01Mark)

- c) Work out: **weeks** **days**

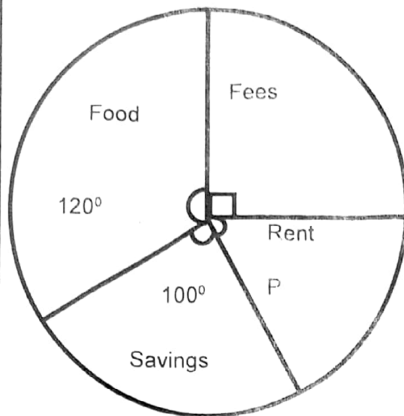
$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

**(02Marks)**

27.

The pie chart below shows how Moris spent his monthly salary. Use it to answer the questions that follow.

- a) Find the value of P.



(02Marks)

- b) If he earns sh.360,000 as his salary, how much does he spend on food?

(02Marks)

- c) Express the **expense** of rent as a **fraction**.

(01Mark)

28.

Solve the following equations:

a)  $x + 4 = 11$

(b)  $y - 2 = 0$

(c)  $\frac{P}{3} = 12$

(06Marks)



© Sipro Educational Services Tel: 0414669050/ 0755-274911/0776-274911  
P.6 MATHEMATICS MID-TERM III EXAMINATIONS - 2022

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

7



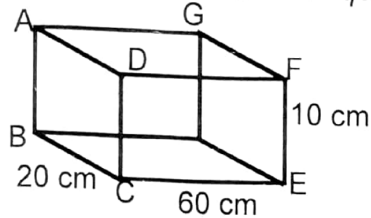
29. a)	<p>Angle <math>y</math> and <math>37^\circ</math> are complementary angles. Find the value of <math>y</math> in degrees.</p> <p style="text-align: right;">(02Marks)</p> <p>b) Draw a square and indicate all lines of folding symmetry on it.</p> <p style="text-align: right;">(02Marks)</p>
30. a)	<p>Complete the missing prime factors of 18.</p> <div style="text-align: center;"> </div> <p style="text-align: right;">(02Marks)</p>
(b)	<p>The LCM and GCF of <math>a</math> and <math>b</math> is 36 and 6 respectively. If <math>a</math> is 12 Find the value of <math>b</math>.</p> <p style="text-align: right;">(02Marks)</p>
31. a)	<p>Work out: <math>\frac{2}{5} + \frac{1}{3}</math></p> <p style="text-align: right;">(2Marks)</p>



- b) If  $\frac{1}{4}$  of the pupils in class are 24 pupils. How many pupils are in the class?

(02Marks)

32. Below is a solid figure; use it to answer the questions that follow.



- a) How many edges has the figure?

(02Marks)

- b) Work out total length of **AB** and **BC**.

(02Marks)

- c) Calculate the area of **ADFG**.

(02Marks)

