

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.

Work out:
$$\begin{array}{r} 58 \\ -34 \\ \hline \\ \hline \end{array}$$

2.

Given that set $K = \{2, 4, 8, 5\}$
Find $n(K)$

3.

Expand 3,048 using place values.

4.

Simplify: $4p + 3p - 5p$

5.

A lorry covered a distance of 248km in 4hours. Find the speed of the lorry.

6.

Using a ruler, a pencil and a pair of compasses only, construct an angle of 90° at point A.

A

7.

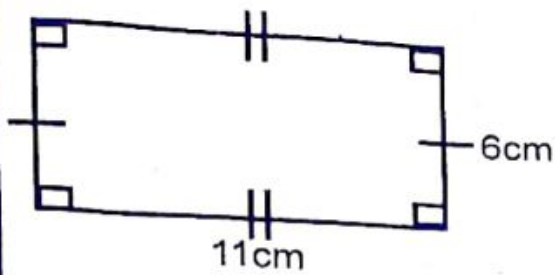
Given that girls.



represents 6 girls. Draw pictos to represent 30



8. Work out the **perimeter** of the shape below.



9. The number of pupils in a school **increased** in the ratio of **4:3**. Given that there were 45 pupils, find the number of pupils in the class now.

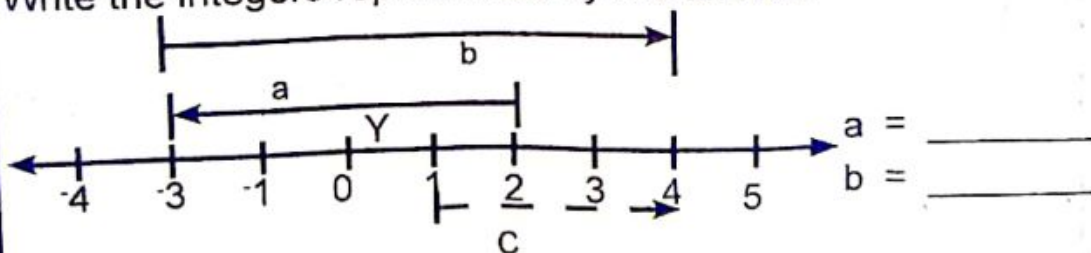
10. Find the **range** of 60, 20, 32, 47 and 74.

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 **L.C.M** of 4 and 7.

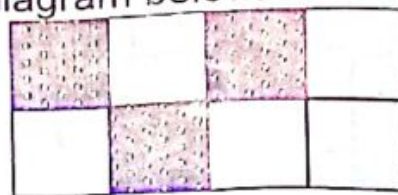
13. Express **XCVIII** in Hindu Arabic numerals.

14. Write the integers represented by the arrows:



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 8kg as grammes.

18. A farmer had 400goats. He sold 124 of them. How many goats does he have now?

19. Set $P = \{0, 2, 4, 6, 8\}$ and $Q = \{1, 2, 3, 4, 5\}$. Find $P - Q$

20. Find the **next** number in the sequence below:
3, 7, 11, 15, ____



SECTION B: 60 MARKS

Attempt **all** questions in this section.

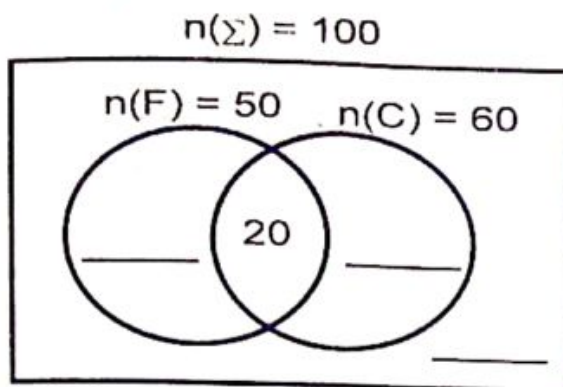
Marks for **each part** of the question are **indicated** in the brackets

21.	<p>Amos went shopping and bought the following items;</p> <p>3kg of sugar at sh.3000 per kg</p> <p>$1\frac{1}{2}$ litres of cooking oil at sh.6,000 per litre</p> <p>A loaf of bread at sh.4,000.</p> <p>2 bars of soap at sh.3,200 each.</p> <p>a) Work out his total expenditure.</p>
	(04Marks)
b)	If Amos had sh. 30,000 , find his change .
	(01Mark)
22. a)	Write 24,024 in words.
	(02Marks)
b)	<p>Work out:</p> $\begin{array}{r} 243_{\text{five}} \\ + 21_{\text{five}} \\ \hline \\ \hline \end{array}$
	(02Marks)
c)	Round off 541 to the nearest tens.
	(02Marks)

23

At a party attended by **100** guests, 50 drank Fanta(F), 60 drank Coke (c), 20 drank **both** types of soda but **x** drank none of the two kinds.

- a) Complete the venn **diagram** below.



- b) Find the value of X.

(03Marks)

- c) How many pupils never took Coke?

(02Marks)

(01Mark)

- 24.a) **Work out:**

$$7 \overline{) 98}$$

(01Mark)

- b) Find the product of **348** and **8**.

(02Marks)

- c) Subtract **110** from **200**.

(01Mark)



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)

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
	6	4
	+3	5
	<hr/>	<hr/>
	<hr/>	<hr/>

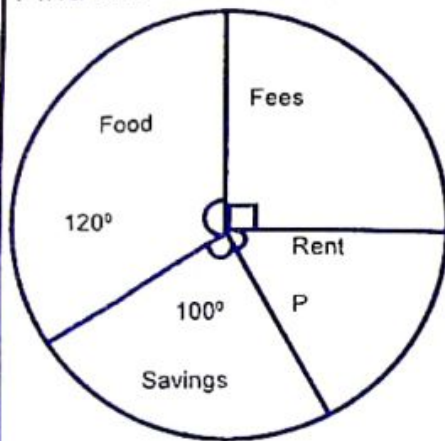
(02Marks)



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)



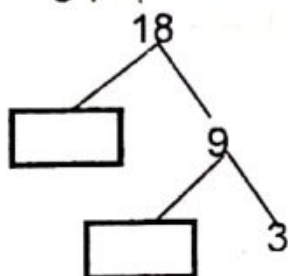
29. a) Angle y and 37° are complementary angles. Find the value of y in degrees.

(02Marks)

b) Draw a square and indicate all lines of folding symmetry on it.

(02Marks)

30.a) Complete the missing prime factors of 18.



(02Marks)

(b) The LCM and GCF of a and b is 36 and 6 respectively. If a is 12 Find the value of b .

(02Marks)

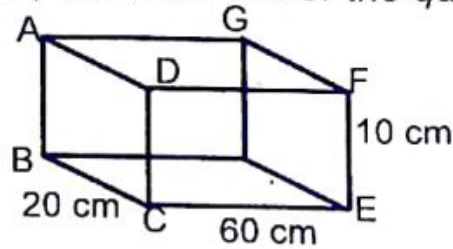
31.a) Work out: $\frac{2}{5} + \frac{1}{3}$

(2Marks)

- 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)

