THE SIPRO END OF TERM I 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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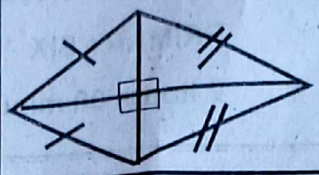
SECTION: 40 MARKS

Attempt **all** *questions in this section*

Questions **1** to **20** carry **two** marks each

1.	**Work out:** 1 2 + 4 3	2.	Name the **quadrilateral** below. 
3.	**Work out:** $\frac{7}{10} - \frac{5}{10}$	4.	Write the place value of **6** in the number **96,431**.
5.	The perimeter of a square is **40m**. Find the side of the square.	6.	**Simplify:** $^{-}9 + {}^{+}4$
7.	A class had some exercise books in term one; in term two they received **125** more exercise books. In total, they got **135** exercise books. How many exercise books did they receive in term one?	8.	A man had two families. Family A with **5** children, family **B** with **3** children. He intends to give land to his children. How many acres will he divide among his children equally?

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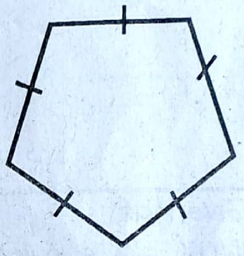
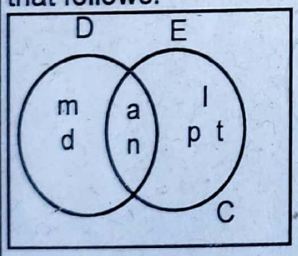
9.	Work out the number of quarters in **36kg** of sugar.	10.	A girl bought a pair of shoes at **sh.25,000**. She sold it to a friend at a rate of **sh.23,500**. What loss did she make?
11.	Write **90,438** in words.	12.	The time shown on the digital watch was for a commercial break, show it on the clock face.
13.	A chemist prepared **2** litres of medicine and she wanted to pack it in millilitres. Find how many millilitres she will have before packing.	14.	Show the **lines** of folding symmetry in the figure below. 
15.	Given the venn diagram below, use it to answer the question that follows.  Find n(D∩E) complement.	16.	Sanyu Babies Home brought **thirty-two** babies for immunisation on a certain day. Express the information in **tally** form.

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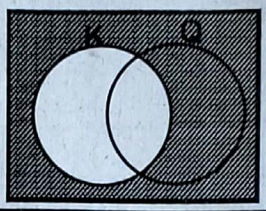
17.	**Simplify:** 6k -7w + 2w - k	18.	Complete the sequence below: **16, 25, 36, 49,____,____**
19.	A motorist rode for **3** hours a distance of **75km**. What **speed** did she use?	20.	Describe the **shaded** region. 

SECTION B: 60 MARKS

Attempt **all** *questions in this section.*

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

21.a)	During the dog's training, the instructor told it to move **2** steps backwards then change direction and move **6** steps forward. Express the dog's movement on the number line. *(03Marks)*	b)	State the **position** of the dog after the instruction. *(01Mark)*

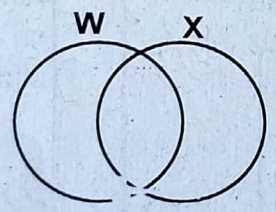
22. Given that:

$W \cup X = \{a, e, c, k, l, r, q, p\}$

$W - X = \{p, q, r\}$

$W \cap X = \{a, c, k\}$

a) Represent the information on the **venn** diagram below.



(03Marks)

b) Find **n(W∩X)**

(02Marks)

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23. The bill table below shows how the father went shopping for his family.

a) Complete the bill table.

Item	Qty	Unit cost	Amount
rice	3kg	sh4500	_____
sugar	_____	sh5000	sh10,000
cooking oil	$\frac{1}{2}$kg	_____	sh5000
salt	_____kg	sh2000	sh500
soap	1bar	sh6000	sh6000

(04Marks)

b) Find his change if he went with **sh.50,000**.

(02Marks)

24 a) Using a ruler, a pair of compasses and a pencil only, construct a rectangle **BCDE** where $\overline{BC}$ = 8cm and $\overline{CD}$ **5cm.**

(04Marks)

b) Measure length $\overline{BD}$.

(01Mark)

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25. 24 bottles of soda are packed in a crate. A factory packs 120 crates in one hour.

a) How many bottles are packed in **a half** a day?

(03Marks)

b) Musa has 60 layers in his poultry farm. Each lays 7 eggs in a week. How many **trays** of eggs does he collect in 3 weeks?

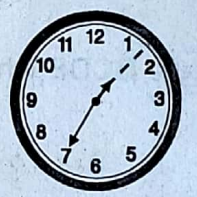
(03Marks)

26. a) Work out:

Hours	**min**
4	30
+ 2	50

(02Marks)

b) Tell the afternoon time.



(02Marks)

27. a) If **a = 6, b = 2** and **C = 5**

$$\frac{2c + b}{a}$$

(03Marks)

b) **Solve;**

p - 6 = 2

(02Marks)

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28. a)	What number has been **expanded** to give (2 x10,000) + (6 x1000) +(1x10)? *(02Marks)*	b)	**Work out;** $2\ 1\ 0_{five}$ $-1\ 4\ 3_{five}$ _____ _____ *(02Marks)*
29. a)	Without dividing, which number is divisible by 3? **345, 874** *(02Marks)*	b)	The sum of **3** consecutive even numbers is **54**, what is the largest number? *(03Marks)*
30.	The rectangular table measures **150cm** by **90cm**. A table cloth of **100cm** by **70cm** was laid onto it. Find the **area** of the table that was not covered with the table cloth. *(05marks)*		

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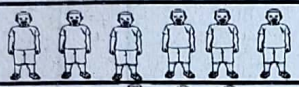
31. Arrange the fractions in ascending order.

$\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{3}{5}$

(05marks)

32. The pictograph below shows the distribution of people in the divisions of a certain district. *Study and use it to answer the questions that follow.*

Division	Population
Eastern	
Western	
Northern	

Scale reps 200 people

a) Find how many people **live** in each division.

(03marks)

b) Work out the averange number of people in the division.

(03marks)

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