THE SIPRO BEGINNING OF TERM III EXAMINATIONS 2023

SUBJECT	:	MATHEMATICS
CLASS	:	PRIMARY FOUR
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"

Please turn over

SECTION A: 40 MARKS

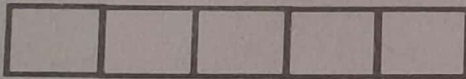## Questions 1 to 20 carry two marks each.

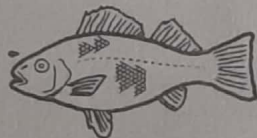|			
1.	**Work out:** $\begin{array}{r} 5\ 4 \\ -\ 2\ 1 \\ \hline \\ \hline \end{array}$	2.	Find the number represented on the **abacus** below.

For question 2:

H   T   O

(abacus diagram with beads)
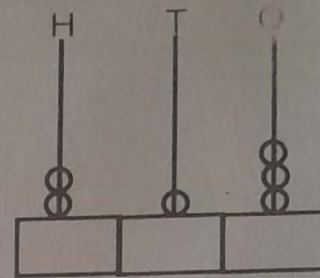
3.	Shade **2** on the diagram **5** below.	4.	Find the **missing** numbers in the sequence: 3, 6, 9, 12, 15, _____, _____

5. Tiimu bought **3 pairs** of bags. How many bags did he buy?

6.	Which **coin** has the feature drawn below? _____	7.	Five geometry sets cost **sh. 30,000**. Find the cost of **two** geometry sets.

8. Measure and record the length of the line segment **AB** below.
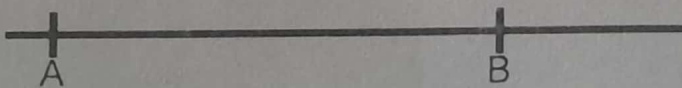
A ————————————+———— B

AB = _____ cm.

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9.	Change **3 weeks** to days.	10.	**Add :**

10. **Add :**

```
        Metres      Cm
          4 5      1 0 0
        + 1 2      3 0 0
        _____    _____
        _____    _____
```

11.	Given that set **P** = {a, b, c, d, e} and set **H** = {b, o, d, y}. Find set **P ∩ H**.

12.	Use a pencil and a ruler only to **draw** a cylinder.	13.	Jackie had **10 mangoes** and her mother added her more mangoes. In total, she has **19 mangoes**. How many mangoes did her mother **add** her?

14.	**Subtract:** $\dfrac{7}{12} - \dfrac{2}{12}$	15.	If ⬭ = 30 tins. Draw pictos for 120 tins.

16. Show a **half past** 6 o'clock on the **clock** face below.

17.	Form any two sets from the given mother set.
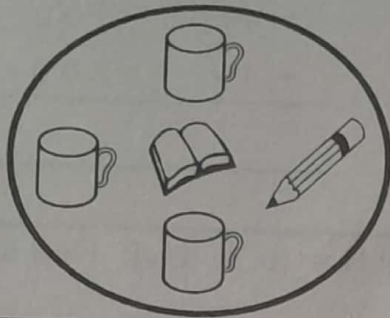
18.	Convert **9kg** to grammes.	19.	Write **9,540** in words.

20.	List all **odd numbers** less than 10.

SECTION B: 60 MARKS

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

21.
(a) Given that set W = {a, b, c, d, e} and set R = {a, c, d, f, g}.
Complete the Venn diagram below.
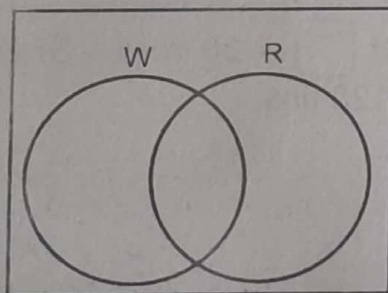
(03 Marks)

(b) List **elements** in set W U R.

(02 Marks)

22. **Three** boys are standing at different points as shown below.
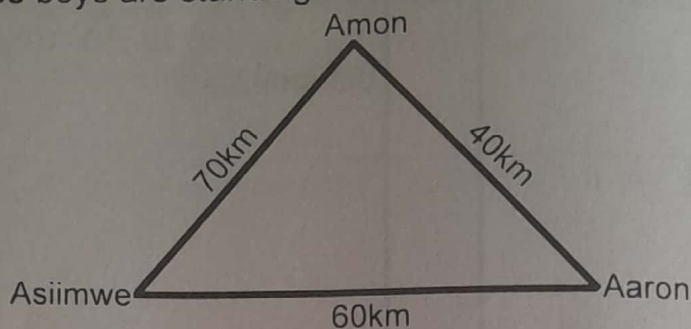
(a) Find the **distance** from Amon to Asiimwe via Aaron.

(02 Marks)

(b) If Asiimwe is to run **round** all the points, what distance will he cover?

(02 Marks)

23. Our grandmother went shopping and bought the following items:
- *A kg of* **rice** *at sh. 3,500.*
- *A litre of* **cooking oil** *at sh. 5,000.*
- *A* **loaf of bread** *at sh. 4,000.*
- *A* **bar** *of White Star* **soap** *at sh. 6,000.*

(a) What is the **cheapest** item from the list above?

(02 Marks)

(b) How much did the **grandmother** pay if she bought **2kg** of rice?

(02 Marks)

(c) Find the amount the grandmother paid if she bought a kilogram of **rice**, a loaf of **bread** and a **litre** of cooking oil.

(02 Marks)

24.a)	Change $4\frac{1}{2}$ into an improper fraction.	**(b)**	Arrange $\frac{2}{10}$, $\frac{2}{10}$, $\frac{7}{10}$, $\frac{1}{10}$ starting from the smallest.
	(02 Marks)		*(02 Marks)*

25.a) Add :

```
        Litres      ML
          5 2      1 2 0
        + 3        1 4 5
        _____
```

(02 Marks)

(b) Martha bought 4 litres and **60ml** of milk and she gave out 3 litres and 10ml to her mother. Find the **remaining** milk in litres and ml.

(02 Marks)

26.a) With the help of a pencil and a ruler, **draw** a square of side 5cm.

(04 Marks)

(b) Work out the **total** distance round the figure.

(02 Marks)

27.a) Work out: hours minutes

$$\begin{array}{r} 3 \quad\quad 45 \\ +\ 4 \quad\quad 25 \\ \hline \end{array}$$

(02 Marks)

(b) Taking today to be **Tuesday**, what day of the week will it be after **27** days?

(02 Marks)

28.a) Find the **next** number in the sequence:

17, 15, 13, 11, 9, 7, ____, _____

(02 Marks)

(b) List the first **five even** numbers.

(02 Marks)

(c) Work out the **sum** of the above even numbers.

(02 Marks)

29.a) **Name** the following fractions:

(i) $\dfrac{1}{2}$ _____   (ii) $\dfrac{1}{5}$ _____   (iii) $\dfrac{1}{4}$ _____

(03 Marks)

(b) Kapalaga ate $\dfrac{1}{5}$ of his food in the **morning** and $\dfrac{2}{5}$ in the **evening**.

What **fraction** of his food did he eat altogether?

(02 Marks)

30.a) A farmer collected 15 trays of eggs from her farm. Three trays fell and all the eggs broke, how many eggs remained?

(02 Marks)

(b) Dr. Twaha bought a dozen of exercise books and he divided them equally among his three sons. How many exercise books did each of them get?

(03 Marks)

31.a)	Find the sum of the value of 5 and the value of 3 in 4356. *(03 Marks)*
(b)	Round off 435 to the nearest tens. *(02 Marks)*
32.	The head teacher gave out balls to different classes as shown below.
(a)	Which class was given the **least** number of balls? *(01 Mark)*
(b)	How many balls were given to primary **one** and **four**? *(02 Marks)*
(c)	Which **two** classes were given the same number of balls? *(01 Mark)*
(d)	Find the **total number** of balls that were given out altogether. *(02 Marks)*