



STAR LIGHT EXAMINATION CONSULTANCY KAMPALA

PRIMARY SEVEN PRE-PLE SET I EXAMINATION 2024

MATHEMATICS

Time Allowed: 2 HOURS 30 MINUTES

Index No.

Random No.					Personal No.		

Pupil's Name:

School Name:

Read the following instructions carefully:

FOR EXAMINER'S USE ONLY

The paper has **two** sections: **A** and **B**

1. Section **A** has 20 short questions (40 marks)
2. Section **B** has 12 questions (60 marks)
3. Answer **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
5. Unnecessary alteration of work may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Do **NOT** fill anything in the **boxes indicated for Examiner's use**

FOR EXAMINER'S USE ONLY

Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 32		

SECTION A

1. Find the sum of $\frac{1}{5} + \frac{1}{5}$

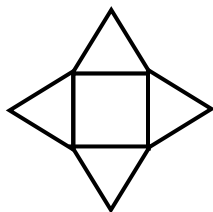
2. Write one hundred thousand, one hundred ten in figures.

3. Given that set $K = \{0\}$, find the number of proper sub sets in set K .

4. Simplify: $\frac{1}{3} (6a - 9b)$

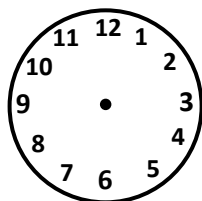
5. Melinda bought a mobile phone at **Sh.240,000** making a loss of **Sh.60,000**.
How much did she by the mobile phone?

6. Name the solid figure whose net is shown below.



7. Two numbers are in the ratio **2 : 3** respectively. If their **LCD** is **36** and their **HCF** is **6**. Find the larger number.

8. Show **0045hrs** on the clock face below.



9. What decimal numeral has been expanded?
 $(2 \times 5^2) + (0 \times 5^1) + (3 \times 5^0)$

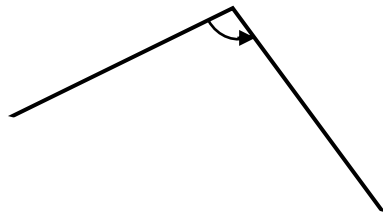
10. A trader packed milk in 400ml bottles. How many bottles did he get from **6** litres of milk?.



11. Write **18** using tallies

12. A trader bought **8,000 Kg** of rice. How many tones of rice did he buy?

13. The angles shown below are accurately drawn. Find the size of the marked angle.



14. Find the product of **a** and **b**.
81, 27, 9, 3, a, b.

15. Given that **$3y^\circ$** and **72°** are alternate exterior angles, find the value of **y**.

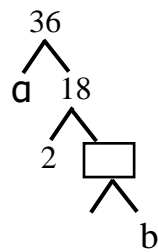


16. Workout:

$$\begin{array}{r}
 211 \text{ five} \\
 - \\
 104 \text{ five} \\
 \hline
 \hline
 \end{array}$$

17. Find the arithmetic means of **5g**, **9**, **3g** and **3**.

18. Find the value of **a** and **b**.



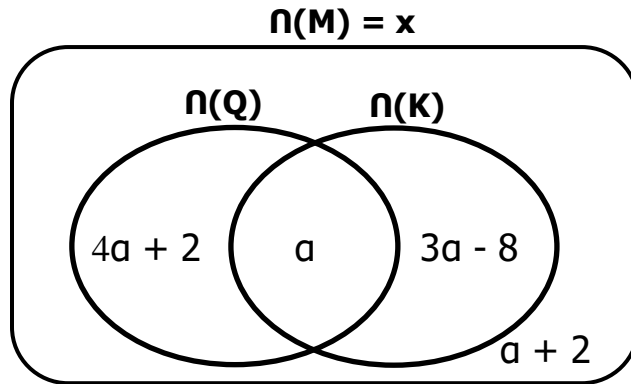
19. Work out **1-3** (mod 5) using the dial.

20. A taxi running at an average speed **72km/hr** took **45** minutes on the way. How long was the journey?



SECTION B

- 21.** The Venn diagram shows tourists who visited game parks in Uganda. ie. Murchison falls (**M**), Kidepo (**P**), and Queen Elizabeth (**Q**). All the tourists visited Murchison falls game park.



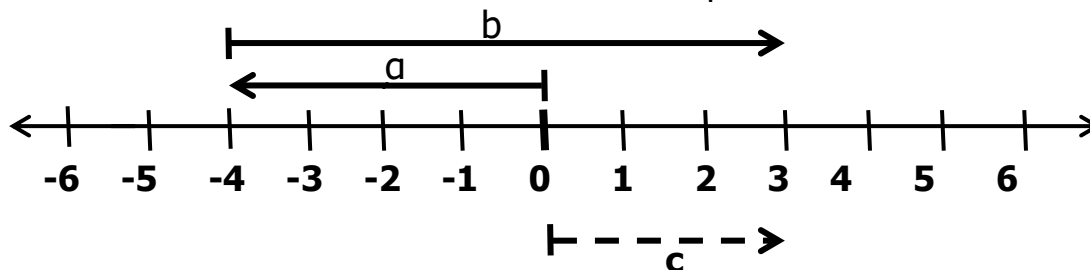
If **36** tourists visited only two places:-

- a)** Find the value of **a**. (2 marks) **b)** Find the value of **x**. (2 marks)
- |
- c)** How many tourists visited Murchison falls? (3 Marks)

- 22.** (a) Workout: $\frac{0.24 + 0.66}{0.3 \times 0.3}$. (3 Marks)

- (b) Express **0.0666** - - - - as a common fraction. (3 Marks)

23. Use the number line below to answer the questions that follows.



a) Write the integers indicated by arrows on the number line.

(i) arrow a: _____ (1 Mark)

(ii) arrow b: _____ (1 Mark)

(iii) arrow c: _____ (1 Mark)

b) Write a mathematical sentence shown on the number line. (2 Mark)

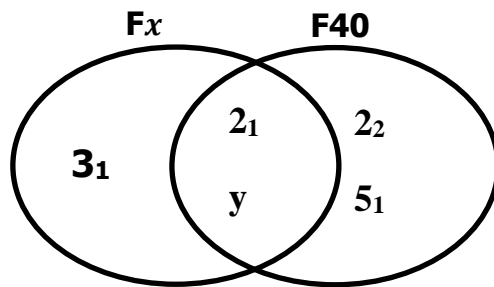
24. Mr. Buwaya spends $\frac{1}{4}$ of his salary on food, $33\frac{1}{3}\%$ on clothing, $\frac{1}{6}$ on fees and saves **Sh.270,000**.

a) How much does he earn as salary? (4 Marks)

b) Express the numerical value of his salary in standard form. (1 Marks)



- 25.** Study the **Venn diagram** below and use it to answer the questions that follow.



- a) Find the value of y . (2 Marks)
- b) Find the **GFC** of F_x and 40 . (2 Marks)
- (c) Find the **LCM** of F_x and 40 . (2 Marks)
- 26.** Jane used **99 poles** to fence around a circular garden. The distance between one pole to the next pole was **2 meters**.
 (a) What was the diameter of the garden? (5 Marks)

(b) Find the radius of the garden in metres. (1 Marks)

27. Given the numeral **27. 648**;

a) Find the value of the least digit in the numeral. (2 Marks)

b) Subtract the value of **6** from the place value of **two**. (2 Marks)

c). Expand the numeral using place values.

28. The table shows Hadija's shopping bill.

ITEM	QUANTITY	UNIT COST	AMOUNT
Curry powder	2 tins	Sh. 4500	Sh. _____
Beans	$3\frac{1}{2}$ kg	Sh. _____	Sh. 14000
Sugar	_____ g	Sh. 3200	Sh. 2400
Soap	4 bars	Sh. 3650	Sh. _____
Total cost			Sh. _____

a). Complete the table above. (5 marks)

b) Suppose Hadija paid **Sh. 37500** for all the items. Find the percentage discount offered. (1 marks)

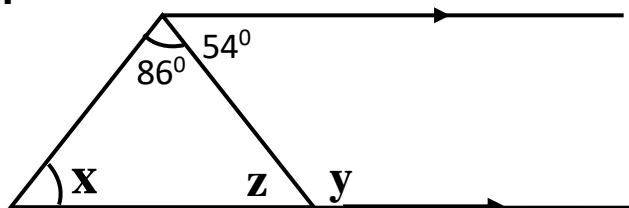
29. Using a ruler, pencil and pair of compasses only, construct a parallelogram **ABCD** where **AB = 6.5cm**, **BC = 5cm**. ($\angle ABC = 120^\circ$ and $\angle BAC = 60^\circ$)

(5 marks)

- b) Measure angle **BCD**.

(1 marks)

30.



Find the value of the angles:-

(i) **z**

(ii) **y**

(iii) **x**

(6 marks)

31. (a) solve: $5p^2 - 7p^2 + 5p^2 = 48$

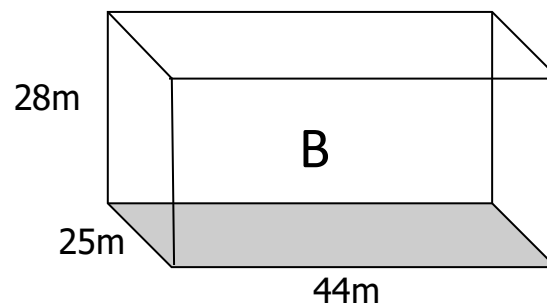
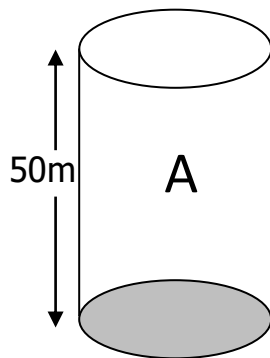
(2marks)

(b) Ketty is **25** years old and her father is **52** years old. In how many years ago was Ketty's age **two fifth** of her father's age? (2marks)

32. The tanks shown below have the same capacity when completely full of water.

a) Find the radius of tank A. ($\pi = \frac{22}{7}$)

(4marks)



b) Find the area of the curved surface of A.

(2marks)

