THE PRIDE EXAMINATIONS 2023

PRIMARY SEVEN PRE-MOCK SET I

MATHEMATICS

Time allowed 2 hours 30 minutes

INDEX NO: | | | | | | | | | |

Candidate's Name: _____ **Signature:** _____

School: _____

District: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of **two** sections: **A** & **B**.
2. Section **A** has 20 questions **(40 marks)**
3. Section **B** has 12 questions **(60 marks)**
4. Answer **ALL** questions in both sections **A** & **B**
5. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.
6. **Unnecessary crossing** of work will lead to **loss of marks.**
7. **Poor handwriting**, which cannot be easily read may lead to **loss of marks.**
8. Do not fill anything in the boxes shown **"For Examiner's Use Only"**

FOR EXAMINERS' USE ONLY		
QN. NO.	MARKS	EXAMINER'S INITIALS
1 - 10		
11 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		

EXAMINER'S COMMENT & ADVISE TO THE LEARNER

Turn Over

SECTION A

1. Workout: **63 + 24.**

2. Express **59** in Roman numerals.

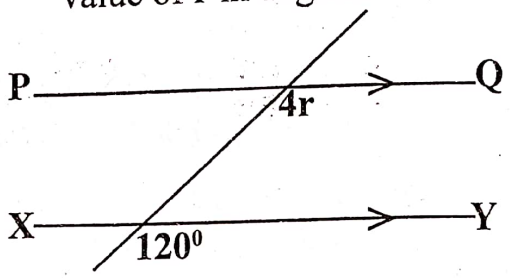
3. Given that set **A**={all even numbers less than **10**} and set **B**={all composite numbers less than **10**}, find **n(AnB)**

4. Workout: $^{-}7 - {}^{+}8$.

5. Use distributive property to workout.
(1.4 x 90) + (1.4 x 10)

6. If **a=8, b=$^{-}$6**, find the value of
$\frac{2ab}{a}$

7. In the figure below, **PQ** is parallel to **XY**. Calculate the value of **r** in degrees.



8. How many **250ml** bottles can be filled with juice from a **15** litre can of juice?

9. Nakato tossed a dice once.
Find the probability of a square number showing on top.

10. In a bank, the exchange rate of one U.S.A dollar is **3500** Ug. shillings. How many dollars will one get from Ug shs. **245,000**?

11. Change $\mathbf{110}_{\text{two}}$ to base ten.

12. **3** girls take **6** days to clean up a factory. How many more girls are needed to clean up the factory in only **2** days working at the same rate?

13. Simplify: $\frac{5}{6} - \frac{1}{3}$

14. Natasha got a loan of sh. **600,000** from PEWOSA at a rate of **5%** per month. Find the interest she paid back after a period of ½ a year.

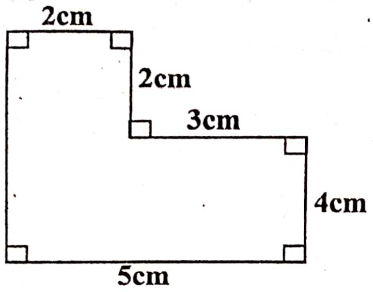
15. Using a pair of compasses, a pencil and a ruler only, construct an angle of $\mathbf{150^0}$.

16. The area of a square garden is $5\frac{1}{16}\text{cm}^2$.
Find the length of one side.

17. The bearing of town **K** from town **L** is $\mathbf{080^0}$. What is the bearing to town **L** from town **K**?

18. If set **K** has **15** proper sub sets, how many elements does set **K** have?

19. Find the distance around the figure below.



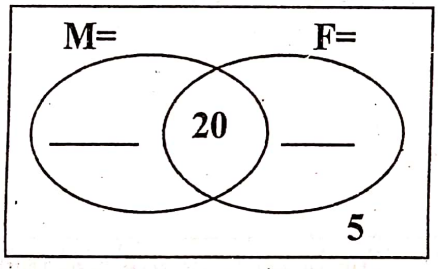
20. In a class of **91** pupils, the ratio of boys to girls is **2:5** respectively. How many more girls are there than the boys?

SECTION B

21. A group of **5p** tourist, **35** visited forest (F) only, **20** visited both forest and mountains (M), **60** visited mountains and **5** visited lake and rivers.

a) Use the information given above to complete the venn diagram below.

n(∑)=.....



(3 marks)

b) Find the value of **P**.

(2 marks)

c) If a tourist was picked at random to give a speech, what is the probability of selecting the one who visited mountains?

(1 mark)

22.a) Simplify: $\frac{3.6 \times 0.008}{0.16 \times 0.9}$

(3 marks)

b) Primary Six has three streams, Red, Blue and Yellow.
They shared a certain number of pens in the ratio of **5:3:4** respectively.
If blue got **36** pens. Find the number of pens they shared altogether.

(3 marks)

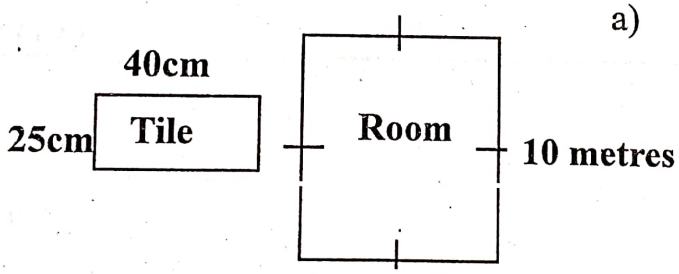
23.a) Solve: $\frac{3p}{5} + p = 16$

(3 marks)

b) John is twice as old as his son. In **5** years time their total age will be **70** years. How old is John now?

(2 marks)

24. The diagram below shows a sketch of a room and the tile which will be used to cover the floor of the room.



a) How many tiles will be needed to cover the floor?

(3 marks)

b) If one tile costs **sh. 3,500**. How much money is needed to buy all the tiles that can cover the floor of the room?

(2 marks)

25.a) Using a ruler, a pencil and apair of compasses only, construct arhombus **PQRS** in which **PQ=6cm** and angle **PQR = 120^0.**

(4 marks)

b) Measure the length of the short diagonal.

(1 mark)

26. The sum of three consecutive odd numbers is **123.**

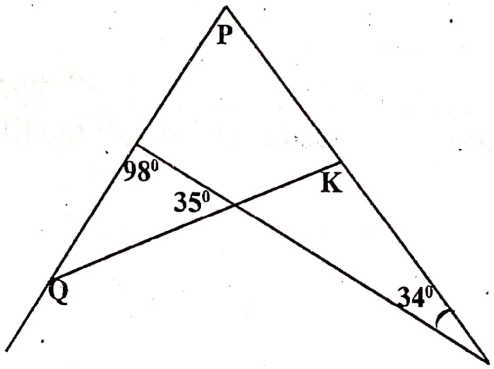
a) Find the numbers

(3 marks)

b) What is their range?

(1 mark)

27. Study the figure below and use it to find the angles marked **Q, K, P.**



(3 marks)

28. The table below shows marks gained by the number of pupils and the total marks. Study it and answer the questions that follow.

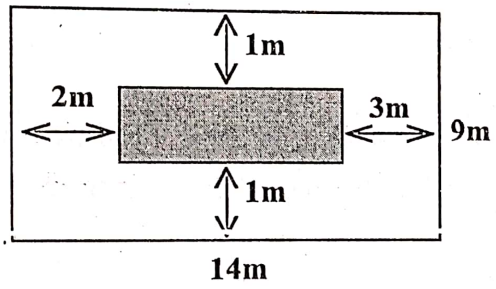
Marks gained	Number of pupils	Total marks
6	6	_____
_____	2	14
4	_____	16
8	_____	24
10	5	50

(4 marks)

b) Find the mean mark.

(2 marks)

29. Calculate the area of the unshaded part in the diagram below.



(5 marks)

30. The table below shows the magic square. Study it carefully and complete it.

1	15	14	_____
12	6	___	9
8	___	11	5
13	3	_____	16

(5 marks)

31. Busera drove from Kampala to Busia for **4** hours at a speed of **60km/hr** and rested for **1** hour. He left Busia at **3:00pm** and drove back to kampala at a steady speed of **80km/hr**.

a) At what time did Busera reach Kampala?

(3 marks)

b) Calculate Busera's average speed for the whole journey

(2 marks)

32. The table below shows the numbers of pupils who scored below **70%** in Mathematics at Tororo Primary School in the recent examination.

Form	No. of pupils
P.7	3
P.6	12
P.5	5
P.4	10

Using a radius of **5cm**, represent the above information on a circle graph.

(5 marks)