



THE REPUBLIC OF UGANDA

KAGADI DISTRICT ACADEMIC BOARD

MOCK PRIMARY SEVEN EXAMINATION 2024

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Index
No.

Random No.					Personal No.			

Candidate's Name: Tr's copy

School Name: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This paper has two sections, **A** and **B**.
Section **A** has **20** questions (**40 marks**).
Section **B** has **12** questions (**60 marks**)
2. Answer all questions. All answers to both sections **A** and **B** must be written in the space provided.
3. All working must be done using a blue or black ball point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.
4. **No calculators** are allowed in the examination room.
5. All answers **MUST** be written in Blue or Black ball point pen or fountain pen.
6. Unnecessary change of work may 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.

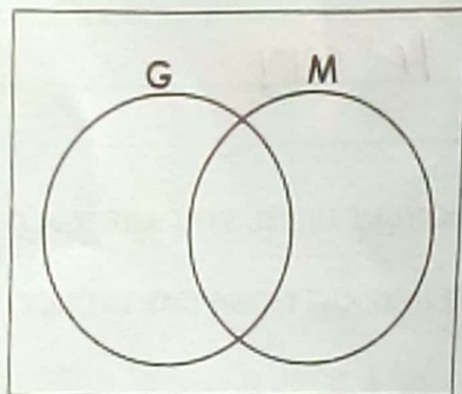
FOR EXAMINER'S USE ONLY

QN NO.	MARKS	Examiner's Initials
1 - 5		
6 - 10		
11 - 14		
15 - 19		
20 - 21		
22 - 23		
24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

SECTION A (40 MARKS)

1. Work out: $2852 - 71$

2. Shade $(G \cap M)^c$ in the venn diagram below.



3. Write XCIX in words.

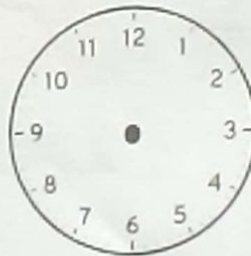
4. If $w = +2$, $y = -3$, Find the value of $5w - 2y$

5. Work out: $\frac{1}{2} \div \frac{3}{4}$

6. Find the value of r in the sequence; 1, 3, 6, 11, $2r - 1$

7. Work out: $2 - 3 = (\text{mod } 5)$

8. It is a quarter to twelve clock. Show the time on the clock face below.

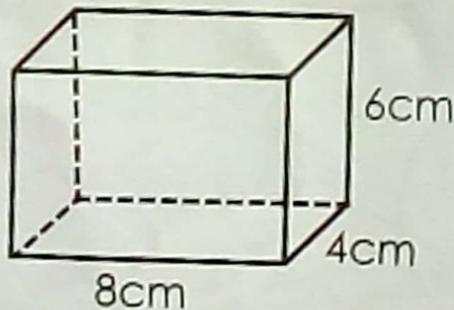


9. A trader bought a tray of eggs at sh. 12500 and later sold each egg at sh. 500. Find the profit he got.

10. In a box there are 5 black pens, 3 red pens, 4 blue pens. What is the probability of picking a red pen at random?

11. Given that set $A = \{\text{all factors of } 4\}$. Find the number of subsets of set A .

12. Asimwe folded a wire and used it to make the figure shown below. Find the length of wire used to make the figure.



13. Using a protractor, ruler and pencil only draw an angle of 75° .

14. What should be added to 11_{two} to get 101_{two} ?

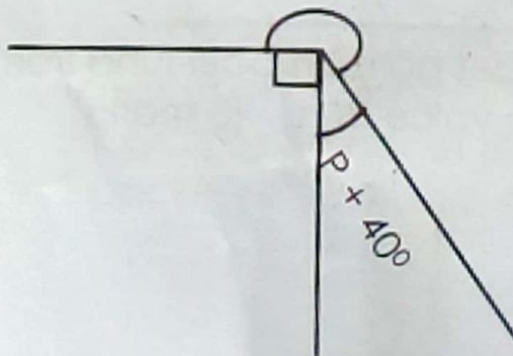
15. Juma and James sold their broilers in 8 days and 14 days respectively, and remained with none (zero broilers). Find the smallest number of broilers each of them had at the beginning.

16. Workout: $0.88 + 8.8$

17. Find the median of 3, -4, 0, -2, -1

18. A car takes $2\frac{1}{3}$ hours to cover a distance of 140km. find its speed.

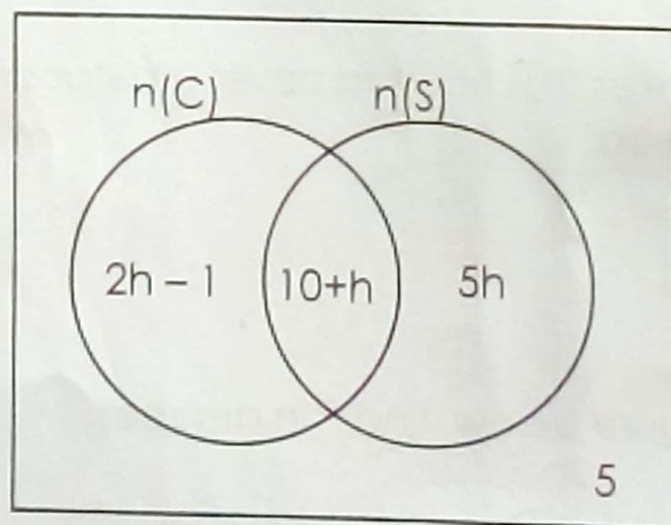
19. In the figure below, find P in degrees.



20. A trader bought a roll of cloth measuring 950cm.
find the number of complete metres of cloth he got.

SECTION B (60 MARKS)

21. The venn diagram below shows group members who got parish model fund through Centenary Bank (C) and Stanbic (S). use it to answer questions which follow: -



- a) If 8 members did not get parish model fund from Stanbic bank, find the value of h . (3 marks)

- b) Find the total members who got funds from Centenary Bank. (2 marks)

22. Kinaba P/S has a water tank which $\frac{1}{3}$ full of water. When 6000 litres are added it becomes $\frac{3}{4}$ full.

- a) How many litres of water does it contain if it is completely full? (3 marks)

- b) Find a $\frac{1}{20}$ of the tank when it is full. (2 marks)

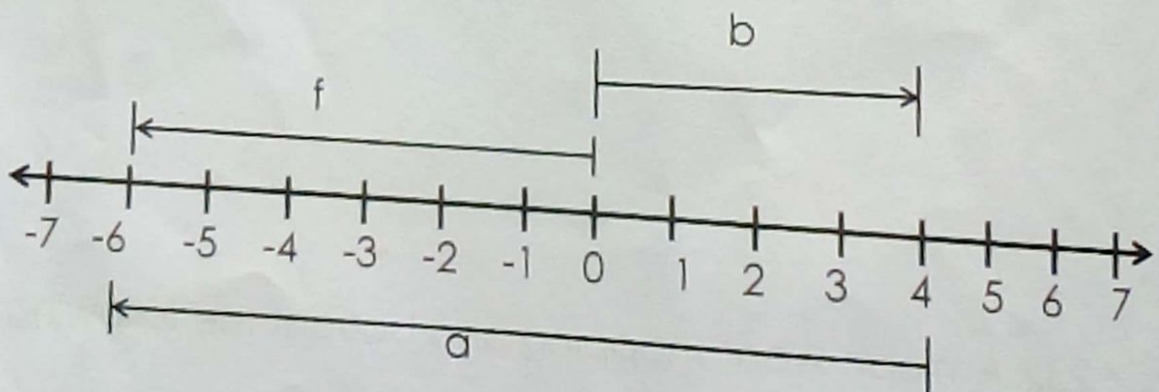
23. Aminah went shopping and bought the following items;

- 3kg of rice at 1300 per 250g.
- $1\frac{1}{2}$ litres of cooking oil at sh. 7000 per litre.
- 500grams of meat at sh. 14000 per kg.
- 2 packets of Royco at sh. 200.

a) Calculate her total expenditure. (3 marks)

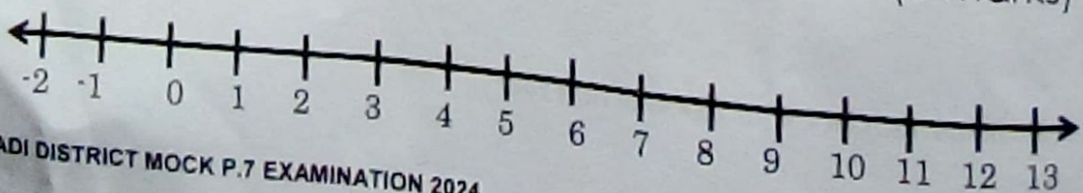
b) If she was given a discount of 5%, how much money did she pay for the items? (3 marks)

24. Study the number line and answer the questions that follow: -



a) Identify integers a, b, and f. (3 marks)
a _____ b _____ c _____

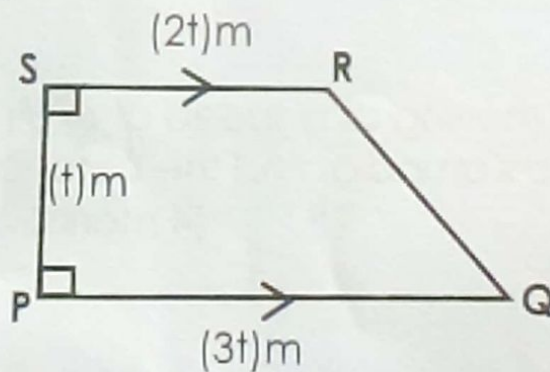
b) Multiply 3×4 using a number line below. (3 marks)



25. (a) Round off 6209.984 to the nearest tenth.
(2 marks)

b) Find base n in the expression. $203_n = 110101_{\text{two}}$.
(3 marks)

26. **PQRS** in a trapezium with the dimensions as shown below;



Given that the area of **PQRS** is $160m^2$, find the value of t .
3(4 marks)

27. The table below shows the arrival and departure time for Link bus from Kagadi to Kampala. Study it carefully and answer questions about it.

TOWN	ARRIVAL	DEPARTURE
Kagadi		8:15am
Hoima	10:30am	10:40am
Kiboga	11:55am	12:00pm
Wakiso	2:30pm	2:40pm
Kampala	4:15pm	

a) Express the time the bus leaves Wakiso in 24 hours clock. (2 marks)

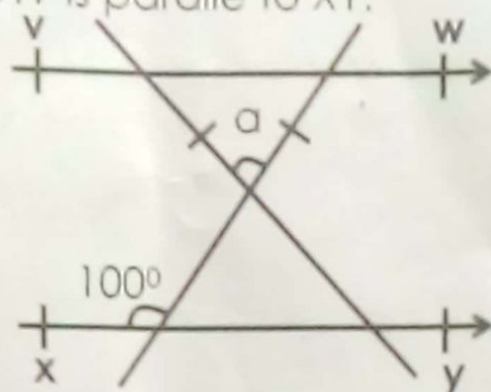
b) If the bus was moving at a speed of $67\frac{1}{4}$ KPH from Kagadi to Kampala, find the distance covered. (4 marks)

28. A business man had 200 bags of maize flour each weighing 50kg.

a) Find the total weight of all the bags in tones. (2 marks)

b) If a pick-up carries 2 tones per trip, what is the number of bags the pick-up will carry in one trip? (3 marks)

29. Line VW is parallel to XY .



a) Find the value of a .

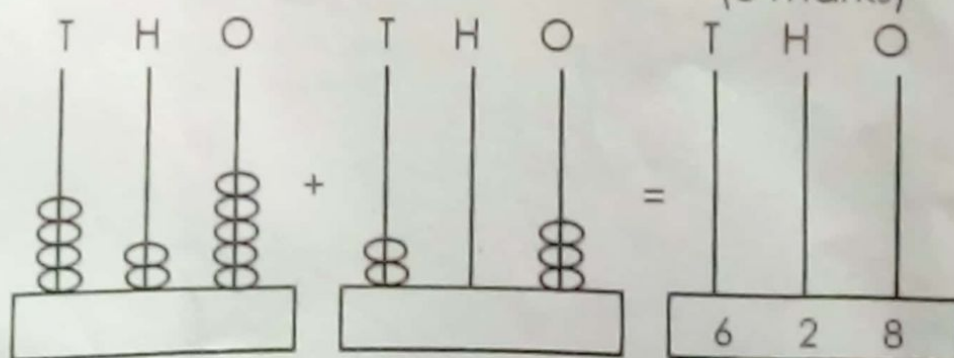
(2 marks)

b) Given that the interior angle of a polygon is 144° .
Name the polygon.

(3 marks)

30. (a) Workout and show your answer on the abacus.

(3 marks)



(b) Express 232_{five} in scientific notation. (2 marks)

31. (a) Kirungi is 60 years. Muhumuza is 24 years old.
After how many years will Muhumuza be a half as old
as Kirungi? (3 marks)

(b) How old will Muhumuza be? (1 mark)

32. (a) Using a pair of compasses, ruler and pencil only,
construct a parallelogram KLMN where $\overline{KL} = 4\text{cm}$, \overline{LM}
 $= 6\text{cm}$ and angle KLM = 120° . (4 marks)

(b) Measure diagonal KM (1 mark)