

KAMULI DISTRICT EXAMINATION BOARD

MOCK 2025

SUBJECT : MATHEMATICS
CLASS : PRIMARY SEVEN
DURATION : 2 HOURS 30 MINUTES

Index No.

Random No.						Personal No.		

CANDIDATE'S NAME :

CANDIDATE'S SIGNATURE:

SCHOOL NAME :

District Name :

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

Read the following instructions carefully.

INSTRUCTIONS.

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. All answers must be written using blue or black pen.
5. Unnecessary crossing or changes may lead to loss of marks.
7. Do not fill anything in the boxes indicated for examiners use only.
8. The use of mathematical table and electronic calculators is not allowed.

FOR EXAMINERS' USE ONLY

QNS	EXAMINERS' MARKS	EXAMINERS' INITIALS
1 - 6		
7 - 12		
13- 18		
19 - 22		
23 - 25		
26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

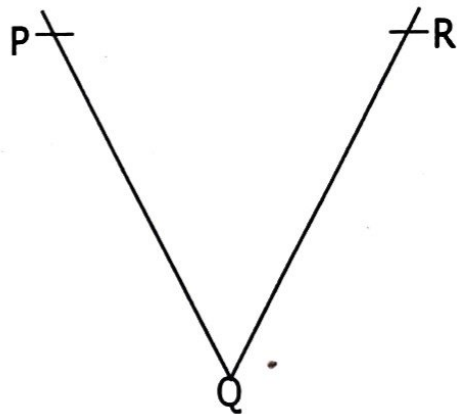
SECTION A (40 marks)

1. Workout: $3.4 + 1.2 =$

4. Subtract: $(5a-3)$ from $6a$.

2. If set $M = \{2, 3, 5\}$, find the number of subsets.

5. Using a pair of compasses, a ruler and a sharp pencil only, bisect the drawn angle PQR.



3. Write 603,001 in words.

6. A radio talk show ended at 12:45pm. Express that ending time in a 24hr clock system.

7. Mariat bought $\frac{3}{4}$ kg of beef at 10500/=. How much money could she pay for 2kg of the same beef?

10 Simplify: $10y - m - 3y + m$

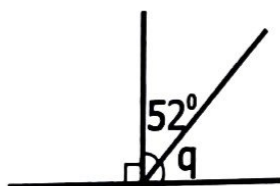
8. Find the next number in the sequence.

1, 3, 6, 10, 15, _____

11 Workout: 1011_{two}

$- 111_{\text{two}}$

9. Find the value of Q in the figure below



12 Write down two consecutive equivalent fractions of $\frac{3}{5}$.

13. Given that $a=3$, $b=-3$ and $c=4$, evaluate $\sqrt{ac+b}$

14. An athlete ran around a field of 400metres three times. Express the distance he covered in kilometres.

15. Workout: $309 \times 9 =$

16. The table below shows the number of mangoes picked by P.4 boys.

No of boys	2	1	1	5
Mangoes picked	40	80	100	20

Work out the median number of mangoes picked.

17. Simplify: $^+4 + ^-6 =$

18. Workout: $\frac{2}{3} \div \frac{2}{6} =$

19.	A parent shared 416 books amongst his four sons. How many books did each get?	b)	Workout: $\frac{0.27 \times 1.2}{0.9}$ (02marks)
20.	Express 293.1 in scientific notation.	22.	a) Given that $P=5$, $q=r=2$, evaluate $4p^2-5qr$. (2marks)
SECTION B: 60 MARK)			
21.	a) Simplify: $3\frac{1}{3} \div 2\frac{1}{2} \times 2\frac{2}{5} =$ (03marks)	b)	Find the value of p: $2(p-1) = 3(p-2)$ (2 marks)

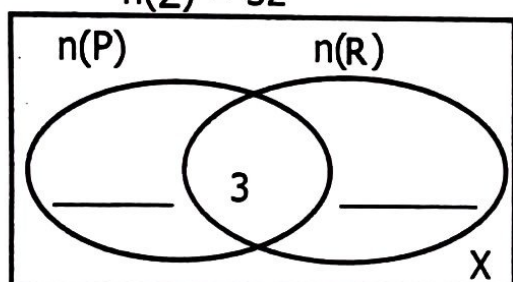
- 23 Using the table below, identify the numbers divisible by 3 and those which are NOT; 171, 133, 216 and 111.

Divisible by 3	Not divisible by 3

- 24 In a class of 52 pupils, 25 like Posho (P), 28 like rice (R), 3 like both Posho and rice while X like neither of the two food stuffs.

- a) Use the above information to fill in the venn diagram below. (02 marks)

$$n(\Sigma) = 52$$



- c) How many pupils don't like any of the two types of food? (01 mark)

- b) Find the total number of pupils who like only one type of food. (01 mark)

- 25 On a children's immunization day at Bwonda Health centre II, children were immunized against certain diseases as shown in the table below.

Disease	Measles	Polio	T.B	Hepatitis B
No of children	16	3h	21	19

a) If the average number of immunised children was 20, find the value of h . (03marks)

b) How many children were immunized against polio that day? (01 marks)

26. a) A taxi took 2hrs to move from Jinja to Kampala at a steady speed of 90k.p.h.
a) Find the distance between Jinja and Kampala. (02 marks)

b) If it took 2hrs to travel back from Kampala to Jinja, calculate the average speed for the whole journey. (03 marks)

27. Using a ruler, a pair of compasses and a sharp pencil only, construct a triangle.

a) ABC where line $AB = 7\text{cm}$, $\angle B = 90^\circ$ and $\angle A = 45^\circ$. (04 marks)

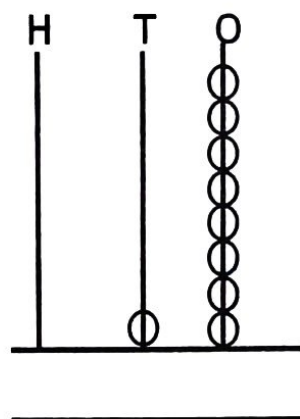
b) Measure line BC. (01 mark)

28. A father is two years older than his wife. Their total age is 82 yrs now. If their children Annah, Apio and Akrut are of the ages 10, 12 and 9 years old respectively. Find the age of Akrut after a certain period of time where the parent's total age will be twice as that of their children. (05 marks)

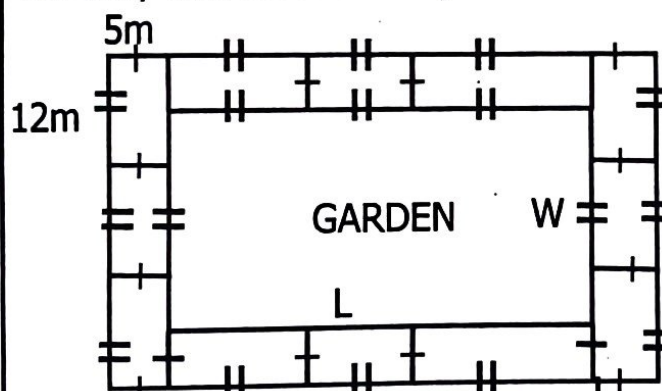
29. Workout: $4400 - 900 =$ (02 marks)

b) Evaluate: (2 marks)
7 thousands + 4 hundreds + 2 tens

c) Express the number represented by the abacus below in a binary base. (03 marks)



30. The figure below shows a farmer's garden with a fire break. Study it carefully and answer the questions that follow.



(i) Find the length of the farmer's garden. (01 mark)

(ii) Workout the area of the garden. (02 marks)

(iii) Workout the perimeter of the fire break. (02 marks)

31. A class teacher distributed money to the best performing children in an end of year exam as shown below.

Buleere = 7000/=

Mudoola = 8000/=

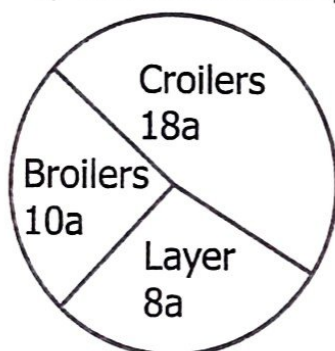
Wagubi = 10,000/=

a) What fraction of the money did Wagubi get? (03 marks)

(ii) Whom do you think was the best performer amongst the children? (01 mark)

(iii) Express Buleere's share as a ratio of that of Mudoola. (02 marks)

32. The pie chart below shows the type of poultry kept on Mr. Brown's farm. Study it carefully and answer the questions that follow.



- b) Using a radius of 5cm, draw an accurate pie chart to show the birds kept on the farm. (04 marks)

a) Find the value of a.

(02 marks)