

**NAMUTUMBA TOWN COUNCIL ACADEMIC BOARD
(NATCAB)
PRIMARY SEVEN MOCK EXAMINATIONS 2025
MATHEMATICS**

Time allowed: 2 Hours 30 Minutes

Index No.	EMIS NO.						PERSONAL NO.		

Candidate's Name:

Candidate's Signature:

School Random No:

District ID:

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. All the working for both sections A and B must be shown in the spaces 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. Unnecessary changes of work may lead to loss of marks.
6. Any hand writing that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated "**For Examiners' Use Only**".

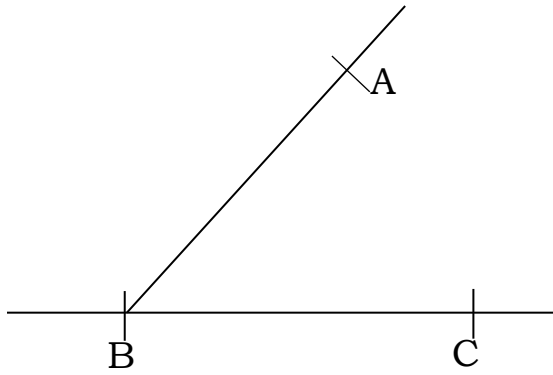
FOR EXAMINERS' USE ONLY		
QN. NO	MARKS	SIGN
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

Turn over

SECTION A

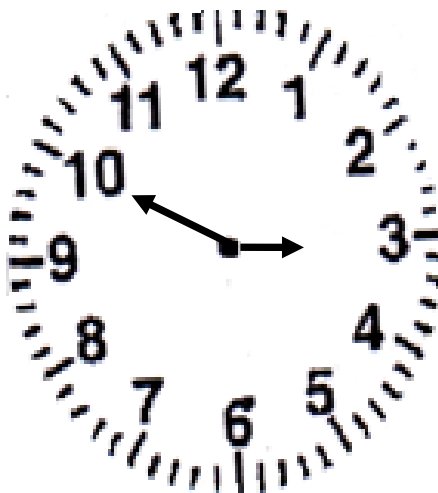
1. Workout: $42 - 21$
2. Express 49 in Roman numerals.
3. Find the next two equivalent fractions to $\frac{2}{3}$
4. A dice was tossed once. Find the probability that a composite number showed up.
5. Solve for y: $2y - 4 = 6$

6. Measure angle. ABC



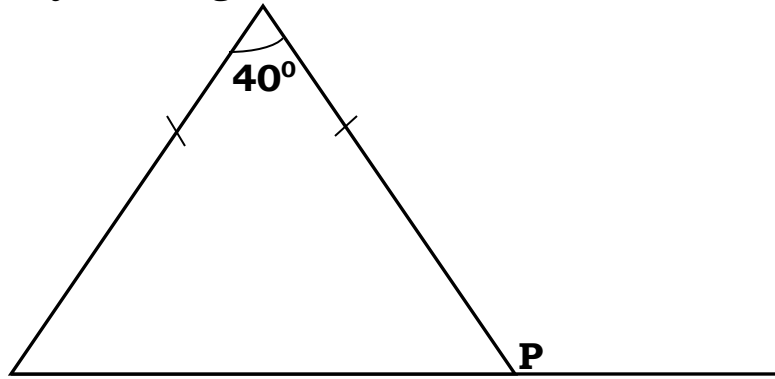
7. Find the lowest common factor of 12 and 18.

8. Tell the morning time.



9. Muwanika a businessman, sold a goat at sh. 150,000 making a loss of sh. 50,000. Find his percentage loss.
10. Work out: $-7 + 3$
11. Divide 402 by 3 using tallies
12. The area of rectangular garden is 12m^2 . If its width is 3m. Find its length.
13. Sarah covered $\frac{2}{3}$ of her journey. If she covered 12km, how long was the journey?

14. Study the diagram below and find the value of p in degrees



15. The weight of a sack of maize is 5400g. What is its weight in kilogrammes?
16. Balyeko is 4 years younger than Baveko. If their total age is 98 years. How old is Balyeko.
17. Work out: $8 - 3 \times 2$.

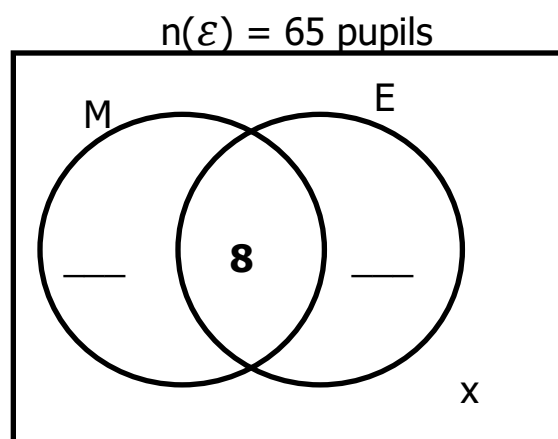
18. A teacher gave a test of 20 questions, he awarded 5 marks for every correct answer and deducted 3 marks for every wrong answer. If Opio passed 13 questions. How many marks did he score?
19. A driver left Namutumba at 11:45am and reached Mukono at 2:30pm. How long did he take?
20. Round off 0.52 to the nearest whole number.

SECTION B (60 MARKS)

21. (a) Find the value of 4 in 8472 (2 marks)

(b) What number has been expanded to give; (2 marks)
 $(6 \times 10^3) + (3 \times 10^0) + (9 \times 10^{-2})$?

22. In a class of 65 pupils, 40% like Mathematics (M), 8 pupils like both math and English (E) while x pupils do not like any of the two subjects. If those who like math are twice those who like English only.
(a) Complete the Venn diagram (2 marks)



b) Find the value of x

23. Dhabuligho went for shopping with 3 notes of ten thousand shillings and bought the following items.

3 bars of soap at sh. 6000 each

1.5kg of sugar at sh. 6600

6 pens at sh. 1200 for every 2 pens

(a) Find his total expenditure

(4 marks)

(b) Find Dhabuligho's change

(1 mark)

24. The sum of 4 consecutive odd numbers is 96. If the largest number is k
- (a) Find the numbers (3 marks)
- (b) Find the product of the first and the second last number (2 marks)
25. (a) Construct a parallelogram MAKE such that $AK = 6.5\text{cm}$, $KE = 4\text{cm}$ and $\angle AKE = 120^\circ$ (4 marks)
- (b) Drop a perpendicular line from M to meet AK at X (1 mark)
- (c) Measure MX

26. The table below shows how a taxi driver travelled from Busembatia to Kampala. Use it to answer questions below

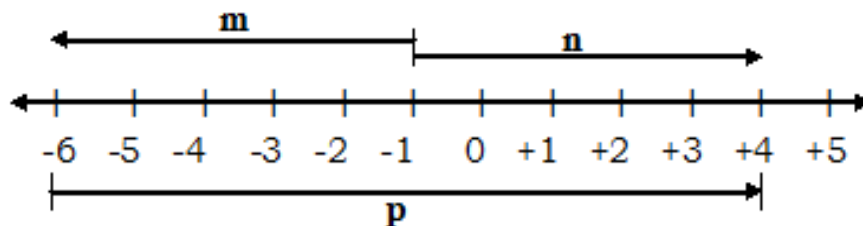
Stations	Arrival time	Departure time
Busembatia		0840 hours
Iganga	0930 hours	0940 hours
Jinja	1040 hours	1100 hours
Mukono	1300 hours	1330 hours
Kampala	1530 hours	

(a) At what time did the taxi driver start his journey? (1mark)

(b) For how long did he rest in Jinja ? (1mark)

(c) Calculate the total time for the whole journey while travelling.
(3marks)

27. Study the number line below and use it to answer questions below.



(a) Name the integers represented by arrows (2marks)

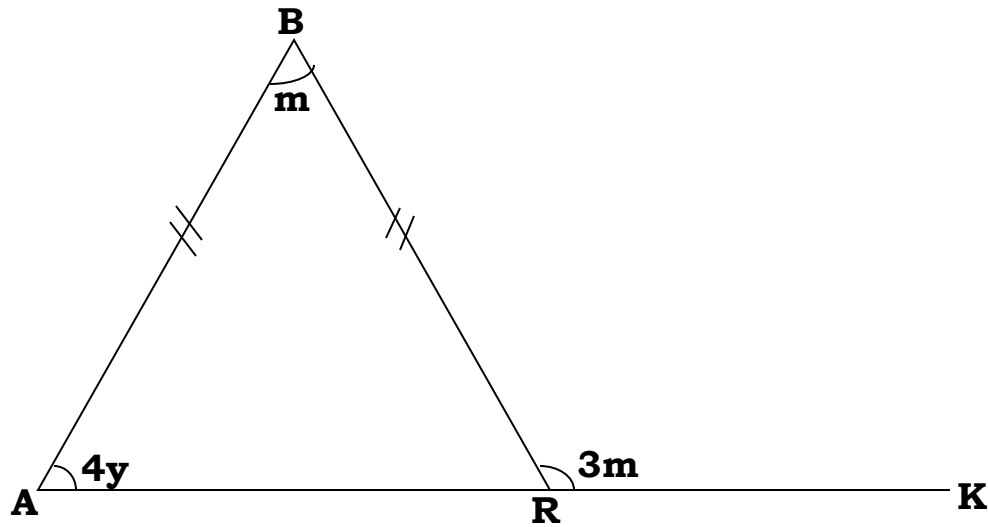
(i) m

(ii) n

(b) Write a mathematical sentence for the number line above. (2marks)

28. A man spent $\frac{2}{3}$ of his salary on rice, $\frac{1}{6}$ of the remainder on posho.
If he spent sh. 44000 more on Rice than on posho. Find his salary.
(5marks)

29. In the figure below, BAR is an isosceles triangle and ARK is a straight. Study it and answer questions that follow.



If angle $BRK = 108^\circ$,

(a) Find the value of

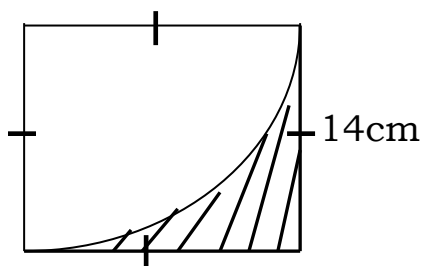
(i) y

(ii) m

30. (a) If $d = 3$ and $p = r = 4$. Find $2p - d$

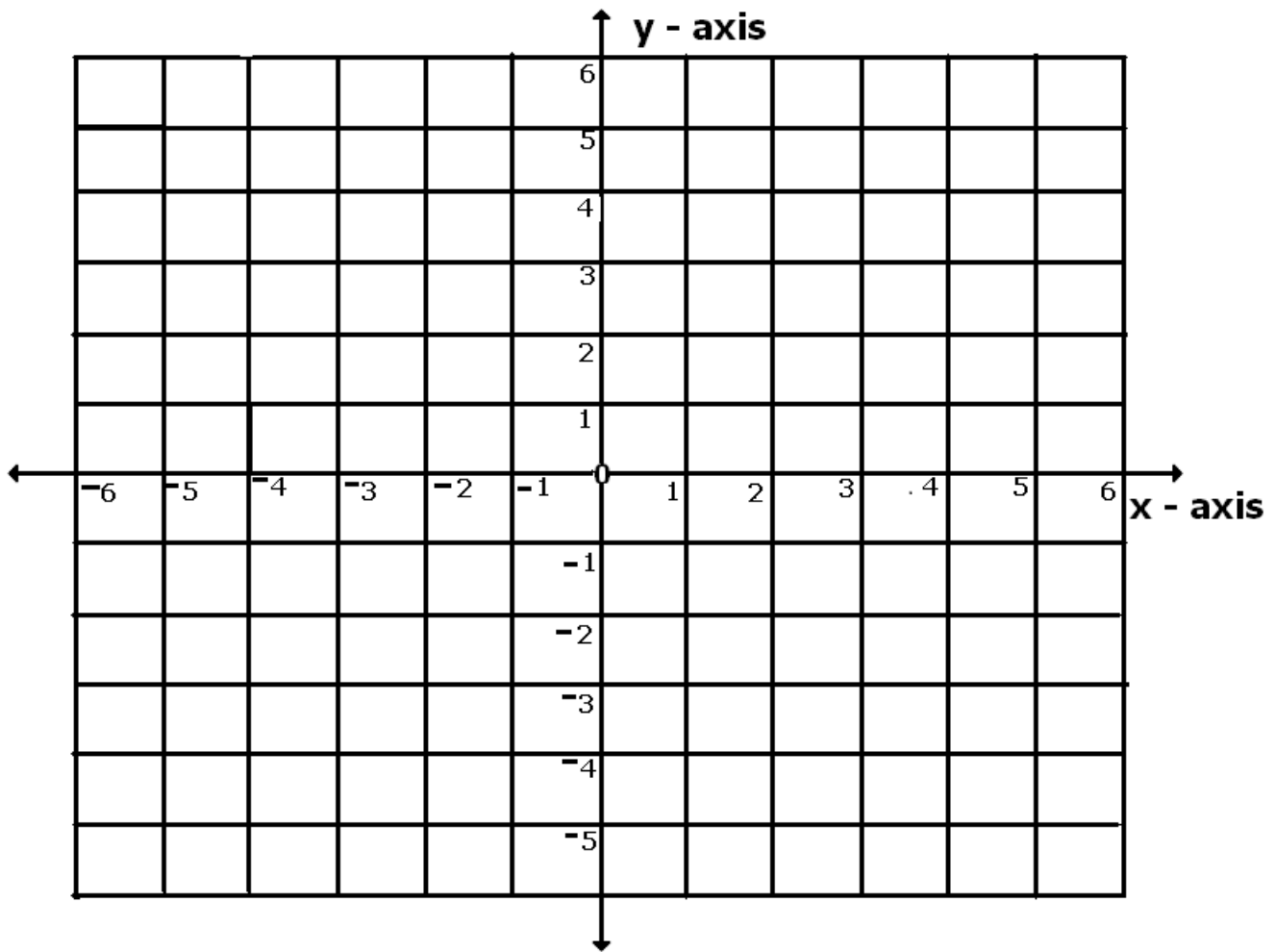
(b) Solve for M: $4 - (M - 6) = 12$

31. Study the diagram below and use it to answer the questions below.



Calculate the perimeter of the shaded part.

32. (a) On the grid below plot the following coordinates S(-2 , 3), R (1 , 3), Q (1, -4), and P (-2, -2) (4marks)



- (b) Join the coordinates R to R, R to Q, Q to P and P to S (1mark)

- (c) Name the polygon formed

GOOD LUCK