NEXT EXAMINATIONS BOARD

PRE-PLE SET 10 (ELEPHANT)

2026

MATHEMATICS

Total Marks scored	

Time Allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

District ID No.

Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two Sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **14 printed** pages.
3. Answer **all** questions. **All** working for both Sections **A** and **B** must be shown in the spaces provided.
4. **All** working **must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. No **Calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
7. Do not fill anything in the table indicated **"FOR EXAMINERS' USE ONLY"** and in the boxes inside the question paper.

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

SECTION A: (40 marks)

1. Workout: $15 \div 3$

2. Write "**eighty thousand sixty-one**" in figures.

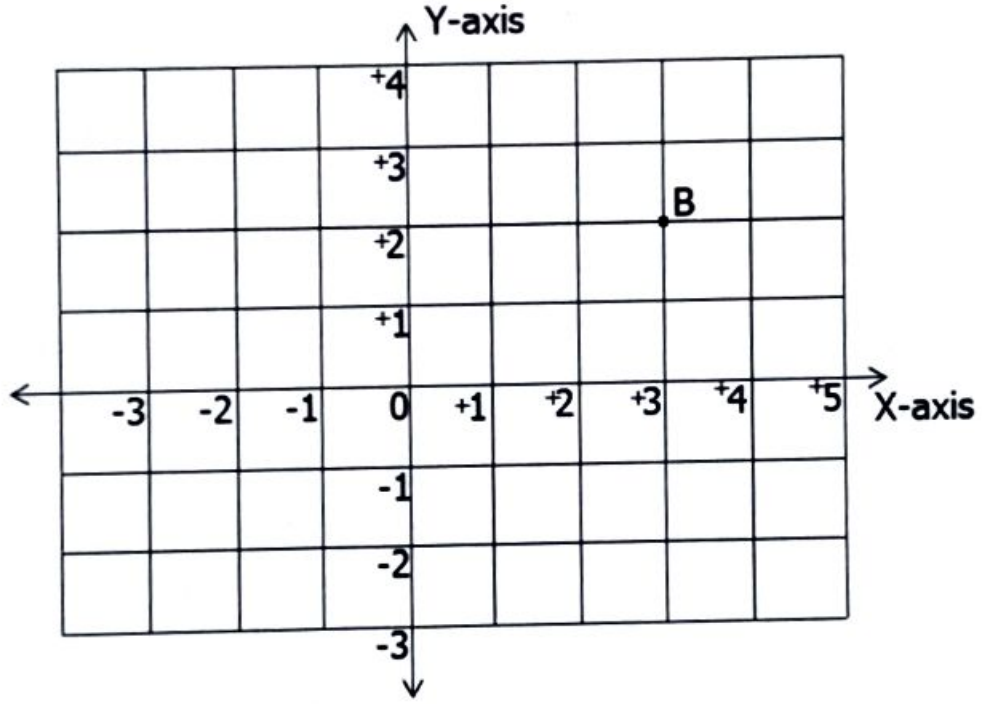
3. Find the **sum** of the next two numbers in the sequence below
   6, 8, 11, 16, 23, ..., ...

4. Given that R={1, 2, 3, 4, 6} and S ={0, 5, 7, 9}. Draw a Venn diagram showing the two sets above.

5. Express 0.242424... as a common fraction

6. Solve for y: $3 - 2(y - 1) = 7$

7. Study the coordinate graph and use it to answer the questions that follow.



i) Write the coordinates of point B

ii) Plot the point A(0, -2) on the coordinate graph above.

8. Round off 92634 to the nearest thousands.

13. A circular flower garden was fenced using 55 poles fixed at intervals of 0.7 metres. Find the distance around the flower garden in metres.

14. A forty-five minute training ended at 2:20p.m. At what time did the training begin?

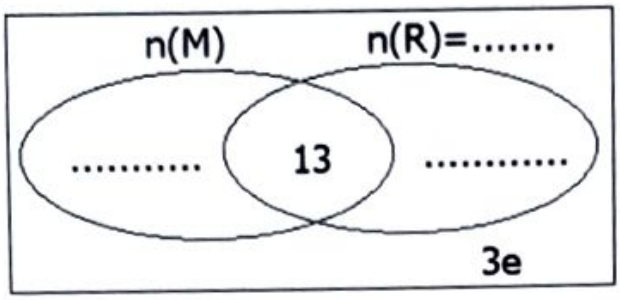
15. What name is given to a regular polygon whose interior angle is 144^0?

16. Workout: $2.4 \div 3.0$

SECTION B: (60 marks)

21. At a wedding function, 2e +7 guests ate Matooke (M) only, 32 guests ate Rice (R) and 13 guests ate both types of food while 3e guests ate other types of food.

a) Complete the Venn diagram below. (3 marks)



b) If 27 guests did not eat Rice, find the value of e. (2 marks)

c) How many guests attended the function altogether? (1 mark)

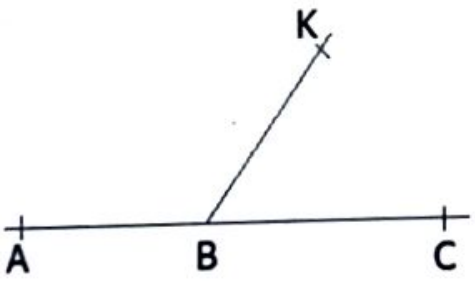
22. a) Workout: $\frac{0.24}{1.2} - \frac{0.09}{0.5}$ (2 marks)

17. Omara bought 6kg of meat. Calculate the weight of his meat in grams.

18. Find the mean of the following: $2y + 4$, $3y$, 0 and 16

19. Given that k = r = 4 and m = -2. Evaluate; $\frac{kr-m}{m+5}$

20. Using a ruler, a well sharpened pencil and a pair of compasses only, copy angle KBC onto point G





b) Abdul used sh. 12,000 to buy food and this was $\frac{2}{3}$ of his pocket money. How much was his pocket money? (2 marks)

23. Nelissa went shopping and bought the following items
    - 3kg of meat at sh. 12,000 per kg
    - 500g of sugar at sh. 6,000 each kg
    - (p) mangoes at sh. 4,000 for every 2 mangoes.
    - 2 kg of maizeflour at sh. 1,200 each kg

    If Nelissa spent sh. 65,400 on all items bought, find the value of p. (5 marks)

24. A taxi charges sh. 12,000 for an adult and sh. 8,000 for a child from Masaka to Kampala.

a) Mr. Othieno travelled with his wife and his 7year daughter. How much did they pay altogether? (2 marks)

b) If another taxi carried 14 adults without a child and they all paid using two thousand shilling notes. How many bank notes did the conductor collect? (2 marks)

25. Given the number; 123.64

a) Write the **place value** of 6 in the given number above. (2 marks)

b) Find the sum of the value of 2 and place value of 4. (3 marks)

26. Using a ruler and a pair of compasses only. Construct a triangle PQR where PQ = 6cm, angle PQR = 120^0 and QR = 5cm. Drop a perpendicular line from R to meet PQ at point O. (5 marks)

27. Mukwaya drove at 64km/hr for 3hours from town T to town R. If he returned at a steady speed of 96km/hr.

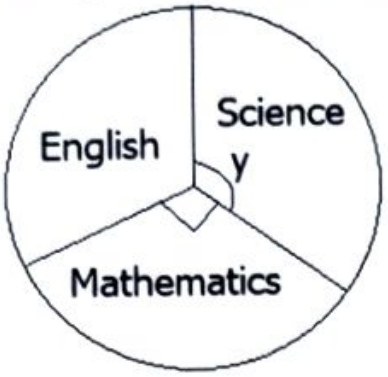
a) How far from town T is town R? (2 marks)

b) Calculate the average speed for the whole journey. (3 marks)

28. a) Solve for k: $3 - \frac{k}{2} = 1$ (2 marks)

b) In a shop, the cost of a mathematical set is sh. (3h + 300), the cost of a rubber is sh. (1200 - h) and the cost of a book is sh. (2h - 600). If the cost of a mathematical set is three times the cost of a book. Find the value of h. (3 marks)

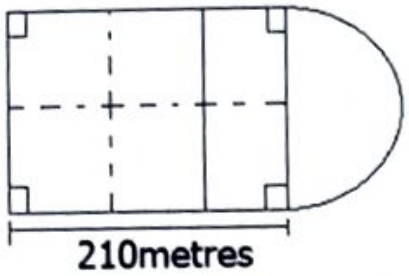
29. The circle graph below represents 60 different books in Mr. Nano's home library. Use it to answer the questions that follow.



a) Given that 20 books are for English. Find the value of y in degrees.
(3 marks)

b) How many more science books than mathematics books are there?
(2 marks)

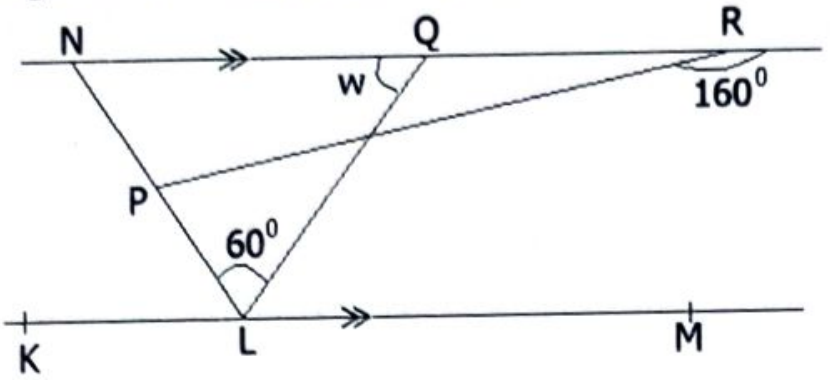
30. A piece of land of length 210 metres is divided into square plots and a semi-circular plot as shown in the figure below. (use π as $\frac{22}{7}$)



a) Find the width of the land. (2 marks)

b) Find the area of the whole piece of land. (3 marks)

31. In the diagram below NR and KM are parallel lines. Angle NLQ = 60^0, angle NPR is twice angle NLQ. Use it to answer the questions that follow.

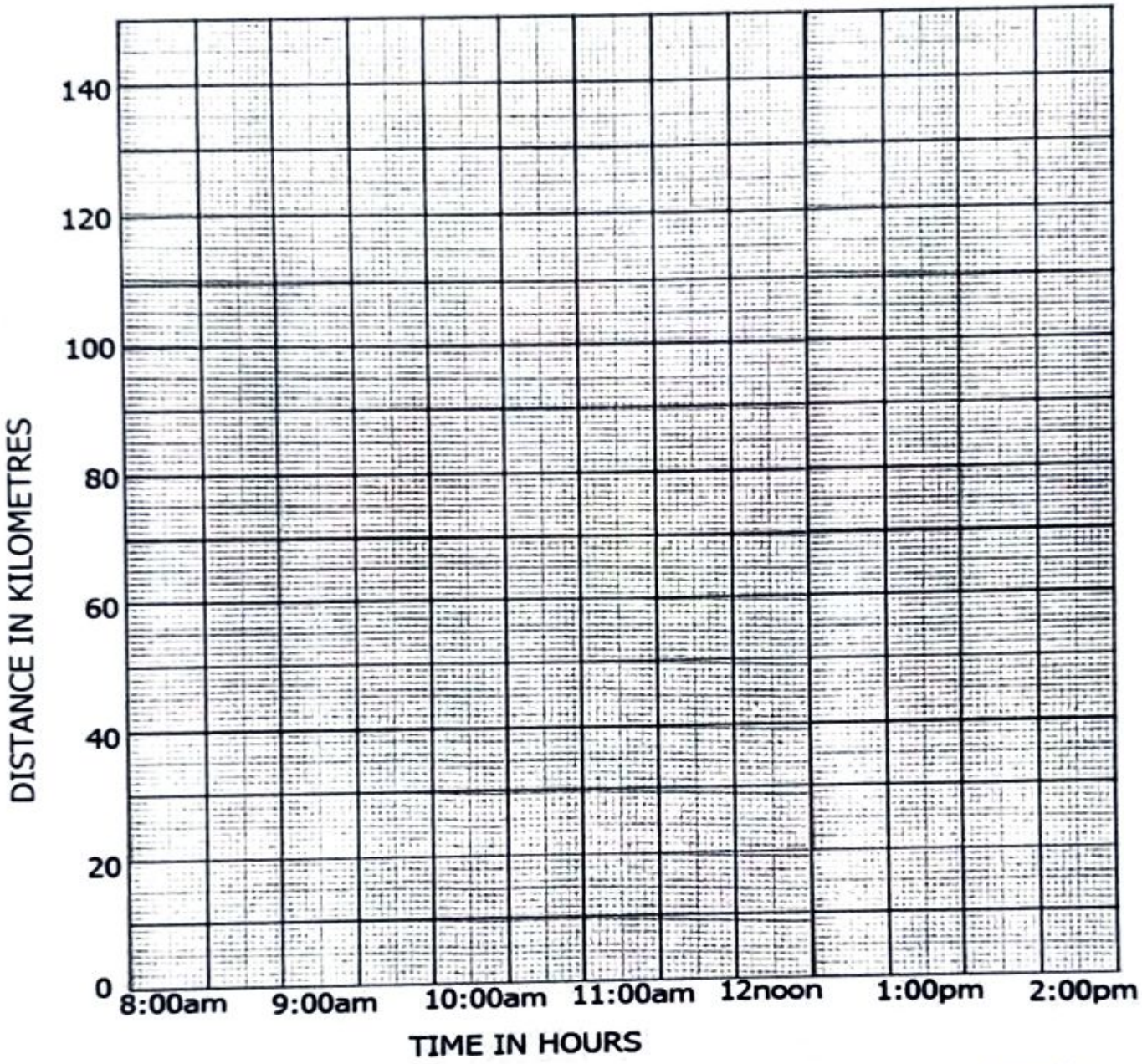


a) Find the size of angle w. (3 marks)

b) Calculate the size of angle QLM (2 marks)

32. A motorist left home at 8:30am moving at a speed of 45km/hr to school for 2hours. After spending 30minutes at school, he moved to the market at a speed of 40km/hr where he reached at a half past midday. He left the market at 1:00pm and went back home at a speed of 100km/hr.

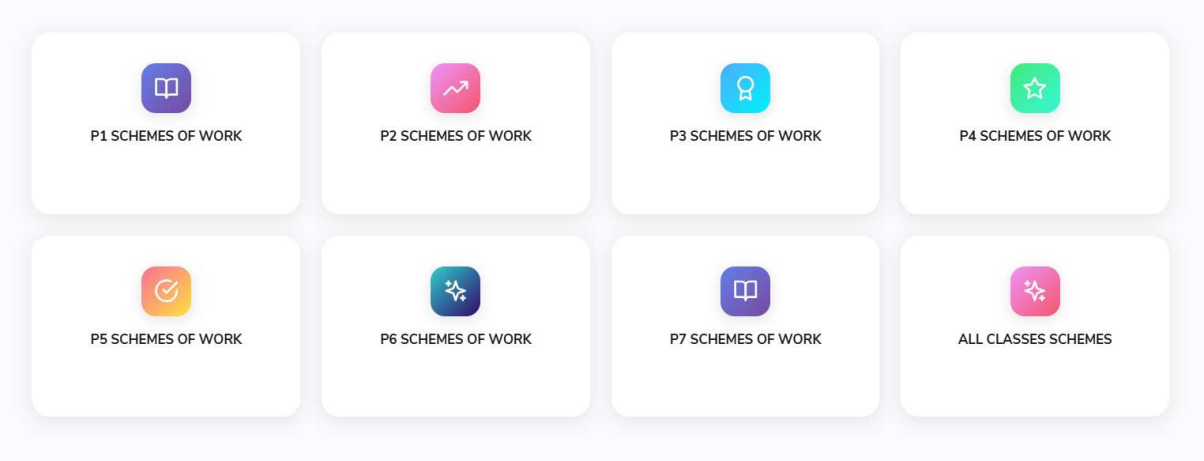
a) Represent the motorist's journey on graph below. (5 marks)



b) At what time did he return home? (1 mark)

END

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