NEXT EXAMINATIONS BOARD

PRE-PLE SET 9 (RHINO)

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.

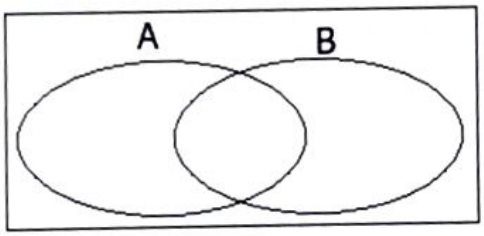
FOR EXAMINERS' USE ONLY		
QN. NO.	**MARKS**	**EXR'S NO.**
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

SECTION A: (40 Marks)

1. Workout: 345 + 223

2. Write "**two hundred two thousand twenty- six**" in figures.

3. Shade (B - A)' on the Venn diagram below.



4. In a bookshop, four books cost shs.9600. How many books can be bought with sh.31200?

5. A saucepan full of Simsim paste weighs 18.6kg. If the empty Saucepan weighs 2.6kg. Calculate the mass of the Saucepan when $\frac{3}{4}$ its full of the same paste.

6. Solve for f; $4f \times f = 100$

7. If  represents 4 cups, draw such pictures to represent 20 cups.

8. Workout: $\frac{2}{5}$ of ($\frac{4}{5} \div 16$)

9. Using a ruler, a pencil and a pair of compasses only, construct a line perpendicular to line segment PQ from point M in the drawing below.

.M

P Q

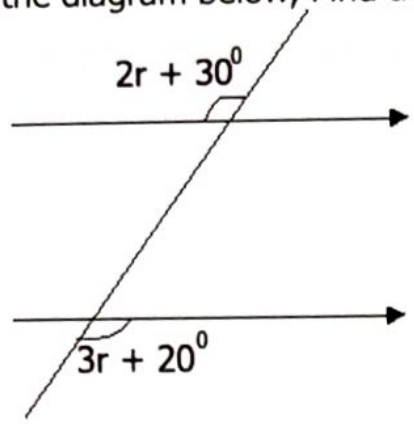
10. Given that P = 2, r = 6. Find the value of g, if g + 4 = pr

11. A business lady bought a phone with bank notes of Sh. 2,000 numbered consecutively from BH4867424 to BH4867737. Calculate the cost of the phone.

12. There were 2,785 people who attended a wedding party, 765 more females attended than males. Express the number of males who attended the party in Roman numerals.

13. There are 22 pegs fixed round a circular flower garden at intervals of 40cm apart. Calculate the diameter of the garden. (take π as $\frac{22}{7}$)

14. In the diagram below, Find the value of r.



15. The average mark scored by P.7 candidates was 80. If the total score was 1840. How many candidates were in that class?

16. Three candidates were reporting to the head teacher's office at intervals of 8, 12 and 16 days respectively. If they reported together on Tuesday for the first time; On what day did they report for the second time at once?

17. The temperature on mountain increased from -25^0c to $^+30^0$c. Find the increase in the temperature.

18. Mr. Kasozi borrowed sh. 1,200,000 at an interest rate of 10% per month for 3 months. How much was the interest?

19. A bus started its journey from Kitgum to Gulu at exactly 12:25 am. Express the departure time of the bus in a 24-hour clock.

20. The value of 4 in the number 748P5 is 4000 and the value of P in the same number is 10P. The product of the value of P and value of 4 is 240,000. Find the digit represented by letter p.

SECTION B: (60 Marks)

21. a) Simplify: $\frac{0.2 \; x \; 0.24}{0.6 \; x \; 0.4}$ (3 marks)

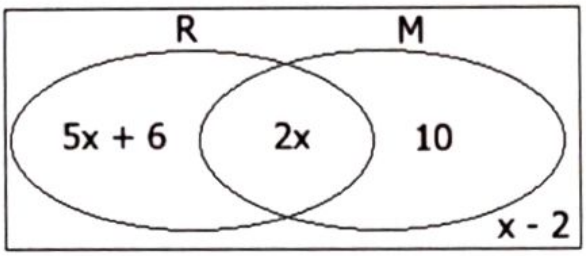
b) Mr. Okumu spent $\frac{1}{4}$ of his money buying story books, $\frac{1}{2}$ on school fees, $\frac{1}{6}$ of the remainder on food. What fraction of the money was spent on food? (3 marks)

22. Joan sold 45 mangoes in 3 days. She was selling five more mangoes every day than the previous day. If she sold 2P mangoes on the first day. How many mangoes did she sell on the third day? (4 marks)

23. a) Expand 3478.57 using powers of 10. (2 marks)

b) Find the number represented by 3.8×10^{-3} (2 marks)

24. The Venn diagram below shows the number of pupils who like Matooke (M) and Rice (R). The number of pupils who like rice only doubles the number of those who like matooke. Study it carefully and use it to answer the questions that follow.



a) Calculate the total number of pupils in the class. (3 marks)

b) Find the probability of picking a pupil who does not like rice randomly to be the class captain (2 marks)

25. a) Use >, <, or = to complete the statement below. (2 marks)

-5 - 4_____-5 + 6

b) Solve and write the solution sets for the inequality:

$3y + 4 < 5y + 8$. (3 marks)

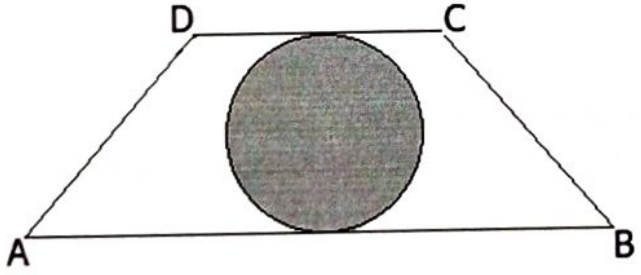
26. In a certain school, 424 pupils went for a tour and each pupil paid Sh.120,000 at School. The school hired 8 buses that transported all pupils and each bus owner was paid sh.20,000 for every two pupils transported and the rest of the money the school collected was spent on feeding. How much money was spent on feeding?(6 marks)

27. Rebecca went to a super market with two notes of sh.20,000 and bought the following items:

- 2kg of sugar at sh. 4,000 per kg.
- $2\frac{1}{2}$ kg of salt at sh. 2,000 a kg
- 2 bars of soap for sh.5000 per bar.
- 18 mangoes at sh. 5,000.

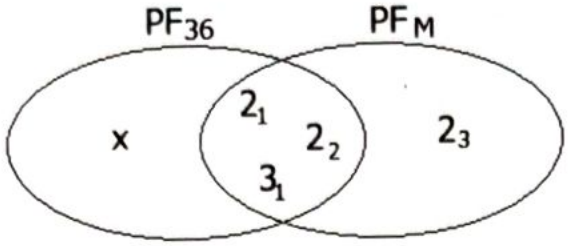
If Rebecca was given a discount of 10% of the total expenditure. Find the amount of money Rebecca paid after the discount. (5 marks)

28. In the figure below, a circle of diameter 28cm is inscribed in a trapezium ABCD such that AB = 32cm and DC = 18cm. Study it and answer the questions that follow.



Workout the area of the unshaded part. (Use $\pi = 3.14$) (6 marks)

29. Study the figure below and use it to answer the questions that follow.



a) Find the value of X. (2 marks)

b) Find the LCM of 36 and M. (2 marks)

30. The table below shows the marks of different candidates who sat for an examination. Study it and answer the questions that follow.

Marks	70	85	40	65	80	75	50
Number of pupils	2	2	3	4	1	2	4

a) How many candidates did the examination? (1 mark)

b) Calculate the mean mark of candidates who scored above 70.
(3 marks)

31. a) Using a ruler, pencil and a pair of compasses only construct a triangle ABC, where AB = 6cm, angle ABC = 45^0 and angle BCA = 75^0
(4 marks)

b) Measure line BC. (1 mark)

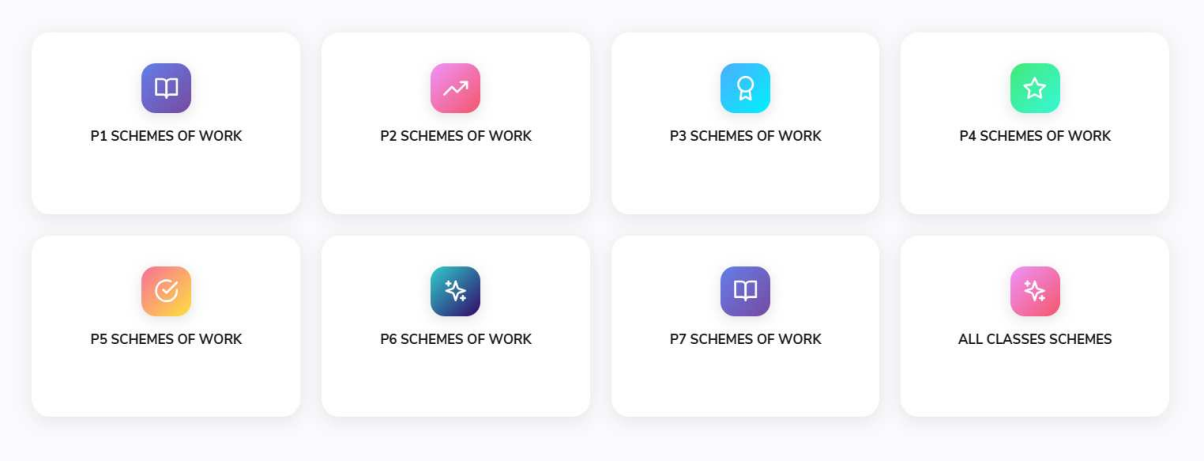
32. A motorist left home at 8:30 am, travelling to Kampala at a steady speed of 40km/h, reaching at 10:30 am. He later increased his speed by 60km/h, continuing to Kumi for 3hours.

a) Find how far Kampala is from his home. (2 marks)

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

END

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