PRE-PLE EXAMINATIONS SET TWO 2025

CLASS : P.7

SUBJECT : MATHEMATICS

TIME ALLOWED : 2 HOURS 30 MINUTES

Name _____ **Stream** _____

Campus _____

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.**
2. **Section A has 20 answer questions (40 marks)**
3. **Section B has 12 questions (60 marks)**
4. **Answer ALL questions. Answers to both sections must be written in the spaces provided.**
5. **All answers must be written using blue ink. Diagrams should be drawn in pencil.**
6. **Unnecessary alteration 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 box indicated for examiner's use only.**

For Examiner's use only	
A	
B	
TOTAL	

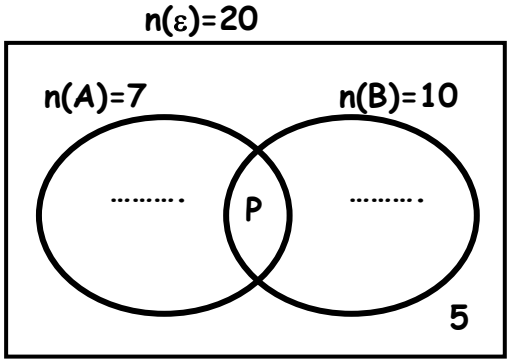
SECTION A

1. Work out: 9 ÷ 3

2. Write "Ninety thousand forty" in words.

3. Simplify; $5t - 3m + 2m - 2t$.

4. Find the value of **P** in the diagram below.



5. Double the next number in the sequence.
   17, 13, 9, 5, ……

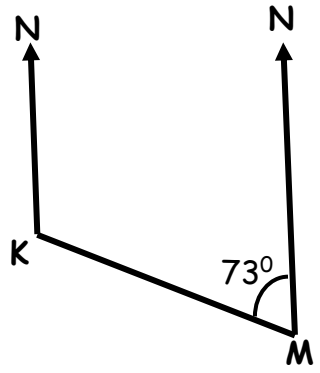
6. Work out $\frac{5}{9} \div \frac{1}{3}$

7. Work out: $3 - 4 =$_____ (mod 5)

8. A bucket of sugar weighs 4kg. Express the mass of sugar in grammes.

9. Write 69800 in scientific notation.

10. Find the bearing of **K** from **M** in the diagram below.



11. A man had a glass which was $\frac{3}{5}$ full of Juice. She gave $\frac{1}{2}$ of it to her sister. What fraction of the Juice did she remain with?

12. Subtract 3y – 4 from 7y + 2.

13. Given Q = {  ,  }, find the number of subsets.

14. The mean of the scores 8, 7, 6, 5(a – 6) is 6. Find **a**.

15. Using a pair of compass construct parallel lines of distance 3cm apart.

16. Find the sum of prime numbers between 10 and 30.

17. Work out $\frac{4^2 \times 2^2}{2^2}$

18. How many $\frac{1}{5}$ litre containers can be filled from a 20 litre Jerrican of paraffin?

19. Round off 3074 to the nearest hundreds.

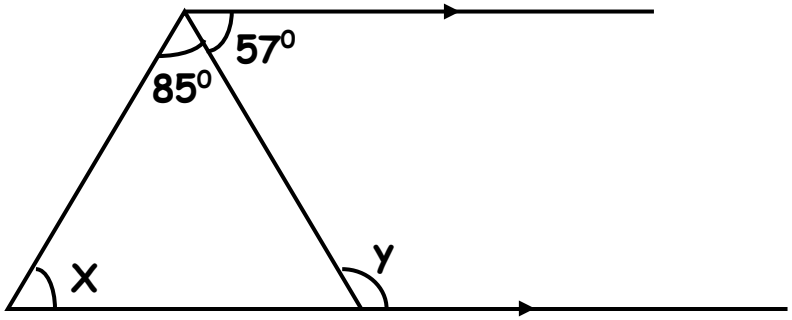
20. Six men constructed a bridge in 24 days each earning shs. 5000 per day. Work out the amount of money paid to the six men.

SECTION B.

21. (a) Simplify: $\frac{1}{3}-\frac{2}{3}+\frac{5}{8}$

(b) Work out $\frac{0.14-0.07}{0.07}$

22. Given the figure below.

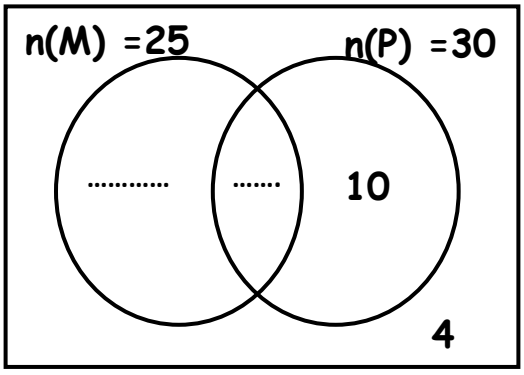


(a) Find the value of x.

(b) Calculate the angle marked Y.

23. In a class of 40 pupils, 25 drank Mirinda (M), 30 drank Pepsi (P)and 4 drank neither of the two.

(a) Complete the Venn diagram.



(b) What is the probability of picking a pupil who drank only one drink to lead a song?

24. A school tank is 24,000 litres of water when full. If $\frac{3}{4}$ of it were drawn;

(a) How many litres remained in the tank?

(b) Find the percentage of water drawn from the tank.

25. A man is three times as old as his son. In 10 years time , their total age will be 56 years.

(a) How old is the son now?

(b) Find the product of their ages in 10 years time.

26. (a) Using a pair of compass, a sharp pencil and a ruler only, construct a parallelogram KLMN where KL = 5.5cm and LM = 4cm and NKL = 60^0.

(b) Measure the length of diagonal KM.

27. A security guard's wage was increased by 10% to Shs. 275,000 per month.

(a) Find his old wage.

(b) If his new wage was decreased by 5%. Find his new wage.

28. The interior angle of a regular polygon is 4 times the exterior angle.

(a) Find the size of the exterior angle.

(b) Work out the sum of the interior angles.

29. (a) Work out $\begin{array}{r} 2\ 3\ 4_{five} \\ -\ 1\ 2_{five} \\ \hline \\ \hline \end{array}$

(b) Express 4063 in expanded form using indices.

30. The time table below shows the movement of a bus from Mombasa to Kampala. Study it carefully and answer the questions that follow.

TOWN	ARRIVAL	DEPARTURE
MOMBASA		1300 HRS
NAIROBI	1345HRS	1400 HRS
BUSIA	1500HRS	1515HRS
IGANGA	1600HRS	1615HRS
KAMPALA	1745HRS	

(a) How long does the bus take to move from Mombasa to Nairobi?

(b) For how long does the bus stay at Iganga?

(c) Write the arrival time of the bus at Kampala in the 12hour clock.

31. A motorist drove from town **M** to town **N** at a speed of 90km per hour for 3 hours. He left town **N** and drove back to town **M** at 10:00 a.m using the same road at a steady speed of 60km/hr.

(a) Find the distance from town **M** to town **N**.

(b) For how long did he drive back to town **M**?

32. (a) Solve $\frac{2}{3}x + \frac{1}{4}x = 11$

(b) Given that a = 2 and b = -2. Find the value of $\frac{2a-b}{a-b}$.

END.