NEXT EXAMINATIONS BOARD

PRE-PLE SET 4 (LEOPARD)

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 **12 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 (*02 Marks each*)

1. Multiply: 75 x 2

2. Write 4295 in words.

3. Find 80% of 20 .

4. Draw a Venn diagram to show that all cows (C) are animals (A).

5. Solve: $2p - 7 = 15$

6. Find the value of k if the supplement of 2k is 100^0.

7. Work out: $2^3 + 5^2$

8. Find the next number in the sequence below;

   1, 3, 6, 10, 15, _____

9. A circular tin has a diameter of 35cm. Find its circumference.

10. Find the GCF of 12 and 18

11. A box weighs 3.5 kg . Express this weight in grammes.

12. Work out: $2 - 4 =$ _____(finite 5)

13. Express $\frac{1}{4}$ as a percentage

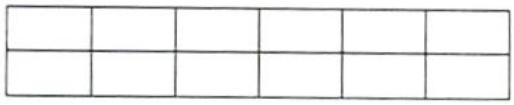
14. Round off **3725** to the nearest thousands.

15. Simplify: $9 - 6$

16. The average age of 15 pupils is 9 years. Find their total age.

17. Using a ruler, a pencil and a pair of compasses only, construct an angle of 105^0 in the space provided below

18. Shade $\frac{2}{3}$ in the diagram below.



19. Work out $(18 \div 4) + (62 \div 4)$ using distributive property.

20. Find the radius of a quadrant whose perimeter is 36dm. (use $\pi = \frac{22}{7}$)

SECTION B (60 *Marks*)

21. Labejja went shopping and bought the following items;
    3kg of rice at sh.3,500 per kg
    2 loaves of bread at sh.5,500 each loaf
    500 gm of beans at sh.4000 per kg
    a) Calculate his total expenditure. ***(04 marks)***

    b) If he went with 3-ten thousand shilling notes, find his change. (***01 mark***)

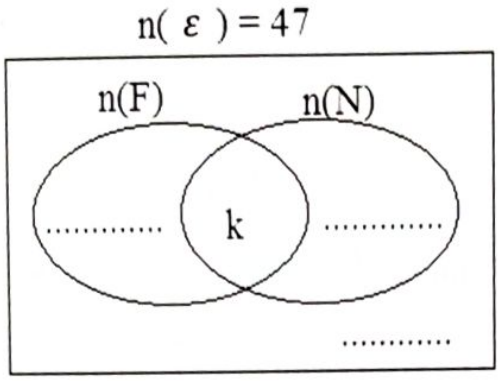
22. Two bells ring at intervals of 40 minutes and 30 minutes respectively.

    a) After how many minutes will they ring together again? ***(03 marks)***

    b) If they start at 11:30am, at what time will they ring together again? ***(02marks)***

23. In a stream of 47 pupils, 27 pupils support Football (F), 23 pupils support Netball (N), **k** pupils support both games while 3 pupils do not support any of the two games.

a) Complete the Venn diagram below; ***(03 marks)***



b) Find how many pupils do not support netball. ***(02 marks)***

24. In a class of 600 pupils, 60% are girls and the rest are boys.

a) Find the percentage of boys. ***(02 marks)***

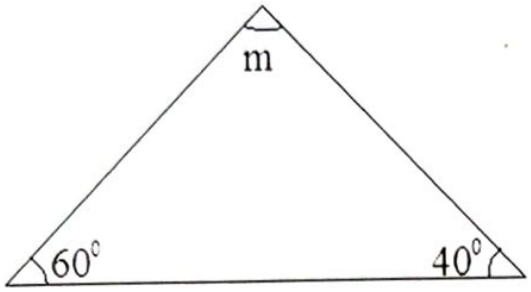
b) Find how many more girls than boys are in the class. (***03 marks***)

25.a) Using a ruler, a pencil and a pair of compasses only, construct a triangle PQR in which line PQ = 8cm, angle PQR= 90^0 and line QR = 6cm. (***04 marks***)

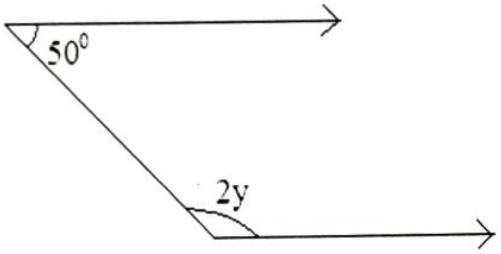
b) Measure the length of line PR. (***01 mark***)

26. Find the value of the unknowns in the diagrams below;

a) (***03 marks***)



b) (***02 marks***)



27.a) Write **7945** in standard form. (***02 marks***)

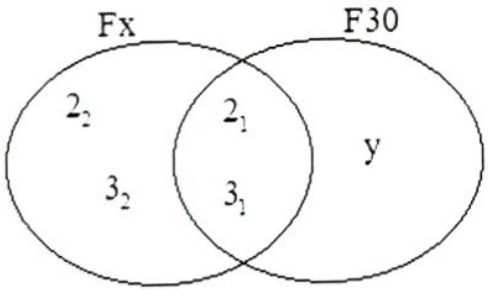
b) Find the sum of the value of 5 and value of 7 in the number 25078. (***03 marks***)

28. Amos, Paul and Mercy shared sh.370,000 in the ratio of 5:2:3 respectively.

a) How much money did each get? ***(04 marks)***

b) Express Mercy's share as a percentage of the total share. ***(01 mark)***

29. Study the Venn diagram below and **use it** to answer the questions that follow;



a) Find the value of x. ***(02 marks)***

b) Find the value of y. ***(02 marks)***

c) Find the GCF of Fx and F30. ***(01 mark)***

30. a) Change 0.75 to a fraction in its simplest form. ***(02 marks)***

b) Work out: $\frac{1.2 \times 0.25}{0.4 \times 0.5}$ ***(03 marks)***

31. a) Solve $\frac{8}{k} + 6 = 10$ ***(02 marks)***

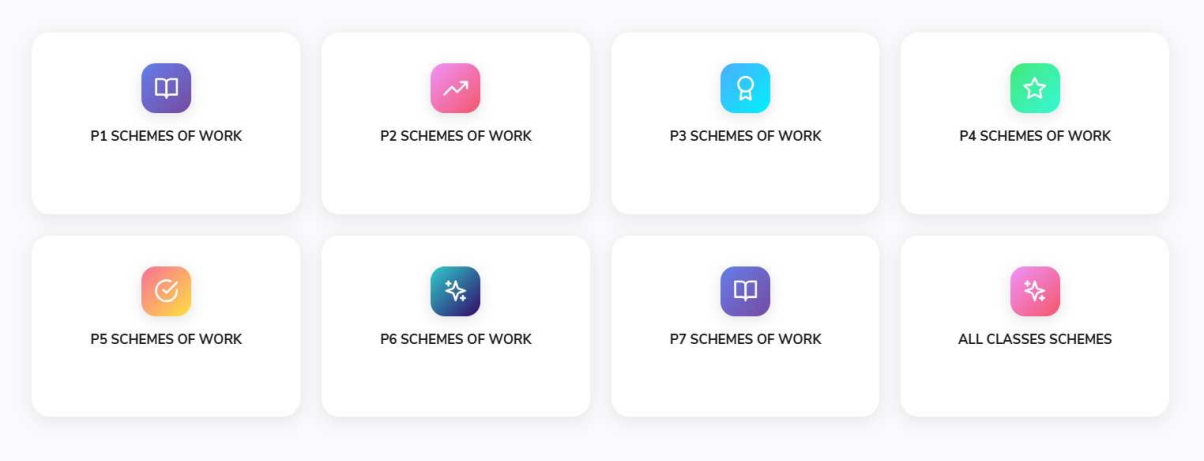
b) A father is thrice as old as his son. If their total age is 52 years. How old is each?
(03 marks)

32. Given that y=2x-3, complete the table below; ***(05 marks)***

X	-3		$\frac{1}{2}$		3
Y		-5		1	

END

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