NEXT EXAMINATIONS BOARD

PRE-PLE SET 3 (EAGLE)

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:

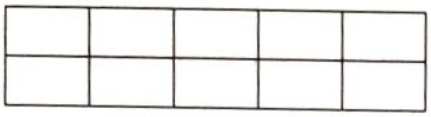
1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two Sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed** pages.
3. Answer **all** questions. **All** working for both Sections **A** 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		

1. Subtract : 8 7
$\underline{-\ 3\ 2}$

2. What number has been expanded to give; **800 + 9 + 0.4** ?

3. Shade $\frac{4}{5}$ in the diagram below;



4. If B = { d, 7, k, 8 }, how many subsets are in set B ?

5. Simplify: 2p + 8m + 3p – 5m

6. Find the angle that is two thirds of its complement.

7. The area of a triangle is $30m^2$. If the base is 12m, find its height.

8. List all the factors of 24

9. Change $\frac{1}{8}$ to decimal fraction.

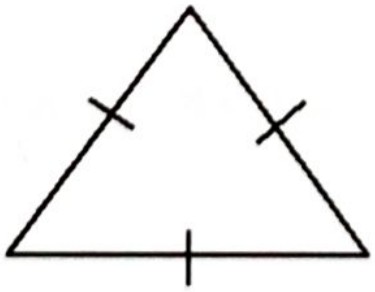
10. Given that  represents 7 boxes, draw pictures to represent 28 boxes.

11. **Four** men can do a piece of work in 12days. How long will 6 men take to do the same piece of work?

12. Arrange 3, -2, 0, -4, 1 in ascending order.

13. Solve: $2(k + 2) = 14$

14. How many lines of folding symmetry has the figure below?



15. Kato is the 9^{th} child from either side of the line. How many children are in the line?

16. Work out: 2 – 4 = _____(finite 7)

17. The area of a square is (**p**)dm^2 and its perimeter is (**p**)dm. Find the value of p.

18. Express **72km/hr** to m/sec.

19. Work out (38 x 4) - (8 x 4) using distributive property.

20. What percentage of 80 is 60 ?

SECTION B (60 *Marks*)

21. Two bells ring for lower primary and upper primary at intervals of **30** minutes and **40** minutes respectively.

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

b) If they start at 7:30am, at what time will they ring together again? ***(02marks)***

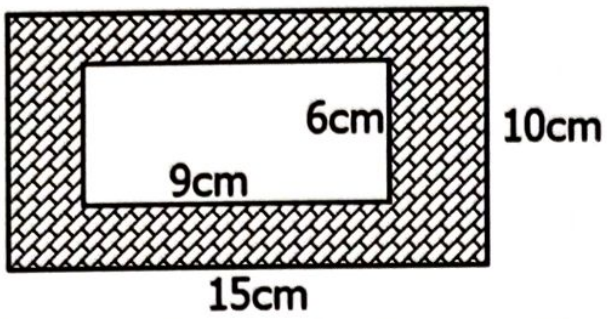
22. Using the digits 7, 5, 0 and 3.

a) Form the largest four digit numeral. ***(01mark)***

b) Form the smallest four digit numeral. ***(01mark)***

c) Find the sum of the largest and smallest four digit numerals formed in (a) and (b) above. ***(02marks)***

23. Study the figure below and answer the questions that follow;



a) Find the area of the outer rectangle. (***02 marks***)

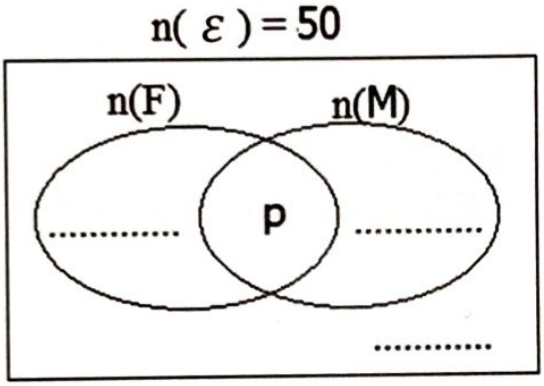
b) Find the area of the shaded part. (***03 marks***)

24. The sum of three consecutive **counting** numbers is 36. If the largest is k,
a) Find the numbers. (***04 marks***)

b) Square the second number. ***(01 mark)***

25. In a trading center of 50 people, 30 people like Fish (F), 21 people like meat (M), **p** people like both fish and meat while 4 pupils do not like any of the two foods.

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



b) How many people like both fish and meat ? ***(02 marks)***

26. A farmer deposited sh.400,000 in a bank that offers a simple interest rate of 20% per annum for 8 months.

a) Calculate the simple interest got after 8months. (***03 marks***)

b) Find the total amount at the end of 8months. (***02 marks***)

27. a) Using a ruler, a pencil and a pair of compasses only, construct a triangle PQR in which line PQ = 7cm, angle PQR= 120^0 and line QR = 5cm. (***04 marks***)

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

28. a) Ken is 10years older than Pius. In 7years time, the ratio of their ages will be 3:4 . How old will Pius be then? (***03 marks***)

b) Find the mean of 3y-4 , y+8 and 2y+10 (***02 marks***)

29. a) Write **89** in Roman numerals. (***02 marks***)

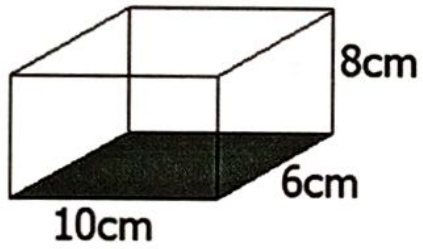
b) Find the sum of the value of 4 and value of 9 in the number 4592. (***03 marks***)

30. Ronaldo, Kane and Marcus shared goals in the ratio of 5:2:3 respectively. If Kane scored 48 goals,

a) Find the total number of goals scored by all the three players. (***03 marks***)

b) How many more goals did Ronaldo score than Marcus? (***02 marks***)

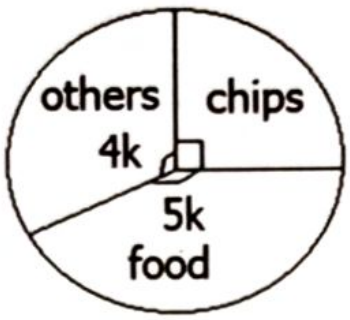
31. Below is a cuboid. Use it to answer the questions that follow;



a) Find the volume of the cuboid above. (***03marks***)

b) Work out its total surface area. (***02 marks***)

32. The pie-chart below shows how Charity spent her pocket money on UMA day.

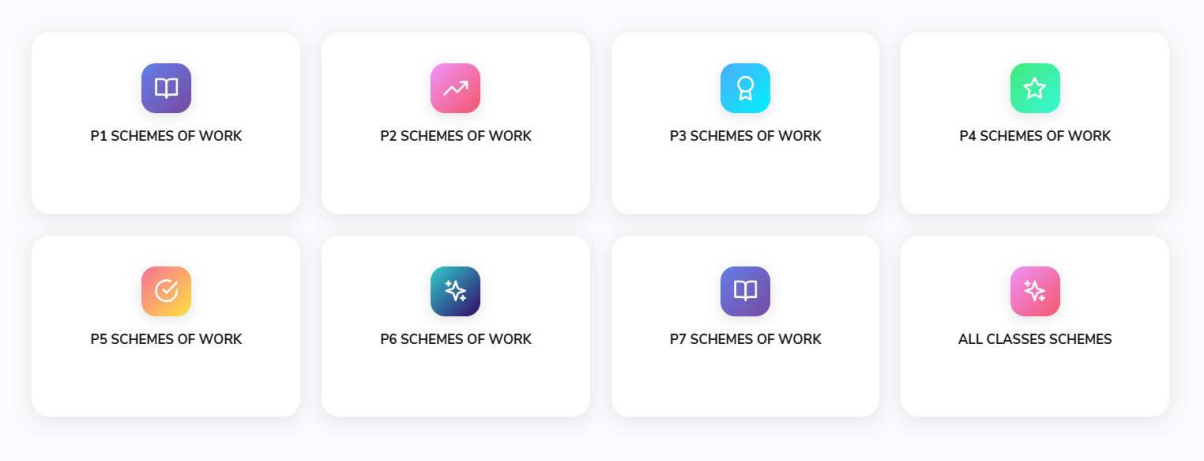


a) Find the value of **k** in degrees. ***(03 marks)***

b) If she spends sh.24,000 on others, Calculate her total pocket money. ***(02 marks)***

END

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