NEXT EXAMINATIONS BOARD

END OF YEAR 2026 (PROMOTIONAL SET)

PRIMARY SIX

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Name: .....

Signature: .....

School: .....

FINAL MARK SCORED	

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		

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SECTION A (40 MARKS)

Questions 1 to 20 carry two marks each. Show your working.

1. Work out: 8.7 − 3.2

2. Find the number that has been expanded to give: $(7 \times 10^4) + (4 \times 10^2) + (8 \times 10^0)$

3. Write 64,302 in words.

4. Simplify: 7y + 5x − 2y − 3x

5. Find the square of the next number in the sequence: 2, 3, 5, 7, ...

FOR EXAMINERS' USE ONLY	
1 - 5	

6. Draw a rectangle and on it show its lines of folding symmetry.

7. What is the smallest number of sweets that can be divided among 6 or 7 boys leaving a remainder of 3 sweets?

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8. Work out: $110_{two} + 11_{two}$

9. Baseke's salary of shs 20,000 was increased in the ratio 7 : 4. Find his new salary.

10. A motorist covered a distance of 240 km in 4 hours. Calculate the speed at which he was travelling.

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6 - 10	

11. Given the number 5,046, find the sum of the value of 5 and the place value of 4.

12. Using a ruler and a pair of compasses only, construct an angle of 30° in the space provided below.

13. Find the average of: 9, 6, 4, 6 and 10.

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14. A motorist covered a distance of 180 km at a speed of 80 km/hr. Find the time taken to cover that distance.

15. Benard is 79 years old. Express his age in Roman numerals.

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11 - 15	

16. The cost of 3 box files is shs 21,000. What is the cost of 9 similar box files?

17. Given that Set B = {all vowel letters of the English alphabet}, find n(B).

18. Smith had 250 British pounds. He exchanged all the pounds to Uganda shillings and got shs 1,200,000. Calculate the rate of exchange of the British pound in Uganda shillings.

19. List all the factors of 24.

20. Convert 0.54 kilograms into grams.

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16 - 20	

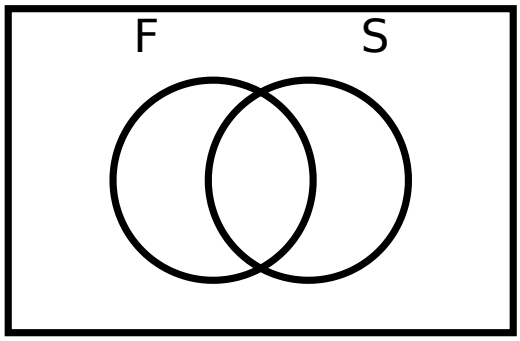
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SECTION B (60 MARKS)

Answer all questions in this section. Marks for each question are indicated in the brackets.

21. At a party attended by 40 guests, 20 took Fanta (F), 25 took Sprite (S), 3 took neither of the drinks while x took both drinks.

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



n(ε) = ...

n(F) = 20 n(S) = 25

b) How many guests took both drinks? *(2 marks)*

c) How many guests took only one drink? *(1 mark)*

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22. a) Simplify: 0.64×0.15 *(2 marks)*

b) A family bought a loaf of bread to be eaten in three intervals of time. In the morning, $\frac{2}{5}$ of the bread was eaten and $\frac{1}{3}$ was eaten in the afternoon. The remaining part was eaten in the evening. The family has 4 members. Find the part of the bread eaten by each member in the evening if the bread was shared equally. *(4 marks)*

FOR EXAMINERS' USE ONLY	
21 - 22	

23. A taxi left Mbarara at 5:40 p.m. and reached Kampala at 8:10 p.m. The distance between the two towns is 150 km.

a) How long did the taxi take to travel from Mbarara to Kampala? *(2 marks)*

b) Calculate the average speed of the taxi. *(2 marks)*

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24. The sum of three consecutive even numbers is 36. Find the largest number. *(4 marks)*

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23 - 24	

25. The table below shows the scores of Primary Six pupils in an exam.

Marks	50	60	70	80	90
No. of pupils	2	3	2	2	1

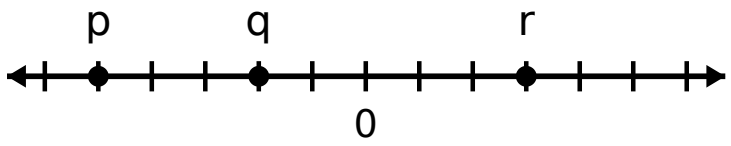
a) How many pupils did the examination? *(1 mark)*

b) Find the modal mark. *(2 marks)*

c) Calculate the arithmetic mean. *(2 marks)*

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26. Study the number line below and answer the questions that follow.



a) Write down the integers represented by: *(1 mark each)*

i) p .....

ii) q .....

iii) r .....

b) What is the additive inverse of −4? *(1 mark)*

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25 - 26	

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27. Annet went to the market and bought the following items:

4 kg of rice at shs 3,500 per kg.
$1\frac{1}{2}$ kg of beans at shs 2,000 per half kg.
8 packets of gorillos at shs 500 each packet.

a) Calculate her total expenditure. *(4 marks)*

b) If she was given a discount of 5%, find the amount of money Annet paid. *(2 marks)*

28. a) Given that x = 3 and y = 4, evaluate: $\sqrt{(x^2 + y^2)}$ *(2 marks)*

b) Solve the equation: $\frac{a}{3} - 2 = 5$ *(3 marks)*

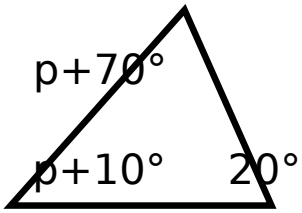
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27 - 28	

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29. a) Given that 4m and (m + 40)° are complementary angles, find the value of m.

(2 marks)

b) In the triangle below, find the value of p. *(3 marks)*



30. The number of shirts, jeans and dresses in a shop are in the ratio 4 : 3 : 8 respectively. There are 75 more dresses than jeans.

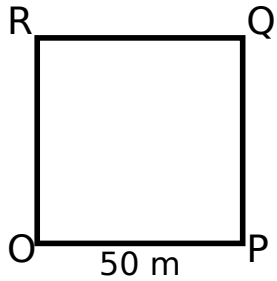
a) Find the total number of clothes in the shop. *(3 marks)*

b) If each shirt costs shs 37,500, find the amount got from all the shirts. *(2 marks)*

FOR EXAMINERS' USE ONLY	
29 - 30	

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31. Study the diagram below of OPQR, a square running track measuring 50 m on each side, and use it to answer the questions that follow.



a) Find the area occupied by the track. *(2 marks)*

b) If James runs around the track 2 times, what distance does he cover? *(3 marks)*

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32. a) Using a ruler, a pencil and a pair of compasses only, construct a rectangle ABCD in which AB = 7 cm and BC = 4 cm. *(4 marks)*

b) Draw and measure the length of the diagonal AC. *(1 mark)*

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31 - 32	

END

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