KAMPALA CENTRAL EXAMINATIONS BOARD

PRIMARY SIX BEGINNING OF TERM ONE EXAMINATION

2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

Read the following instructions carefully:

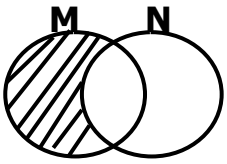
1. This paper has two sections: A and B. Section A has 20 questions and section B has 12 questions.
2. Answer all the questions. All the working for both sections A and B must be shown in the spaces provided.
3. All the working must be done using a blue or black ball point pen or ink. Any work done in pencils other than graphs and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated: "**for examiners' use only**" and 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		

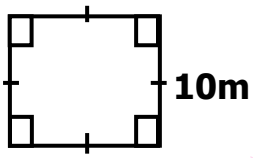
SECTION A

1. **Multiply: 2 3**
   x 3
   _____

2. Describe the shaded part.



3. Find the perimeter of the figure below.



4. What is the next number in the sequence?

   1, 3, 6, 10, _____

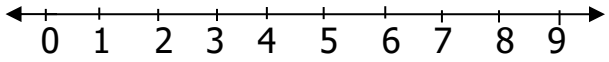
5. **Work out: 5 – 7 + 9 =**

6. What is $\frac{2}{3}$ of **30**?

7. **3** loaves of bread costs **Shs. 1500**. Find the cost of **5** similar loaves of bread.

8. Round off **671** to the nearest tens.

9. **Multiply 2 x 4** using a number line



11. Find the lowest common multiple of **5** and **8**.

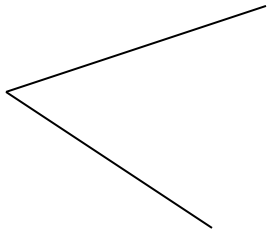
13. **Work out:**

3 + 4 = _____ (mod 6)

14. **Solve: $5x = 30$**

15. A two hundred shilling coin was tossed once.
What is the probability that a fish shows up?

16. Using a pair of compasses, a ruler and a pencil only, bisect the angle below.



17. A car moving at a speed of **6km/hr** covered a distance of **30km**. What time did it take?

18. **Express 123_{five}** to base ten.

19. Write **23,415** in words.

20. Prime factorise **60** and write your answer in subscript form.

SECTION B

21. **Work out:**

$$\frac{0.24 \times 0.08}{0.0024}$$

(4mks)

22. In a family of **20** people, $\frac{3}{5}$ are children and the rest are adults.

a) Find the fraction of adults. (2mks)

22.b) How many more children are there than adults? (3mks)

23. Jackline went to the market and bought the following items.
- **3** bars of soap at **Shs. 3000** each
- **½** a kg of sugar at **Shs. 2400** per kg.
- **6** books at **9000** shillings.

a) Calculate Jackline's total expenditure. (4mks)

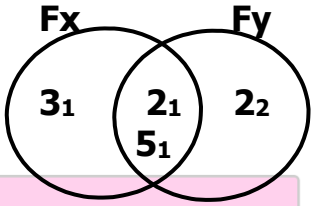
b) If Jackline was given a change of **Shs. 8000**, how much did she give the shopkeeper? (2mks)

24. A mother is twice as old as her son. If their total age is **30** years,

a) How old is the son? (3mks)

b) How old is the mother? (2mks)

25. Use the Venn diagram below to answer the questions that follow.



a) Find the value of **x** (2mks)

b) Find the value of **y** (2mks)

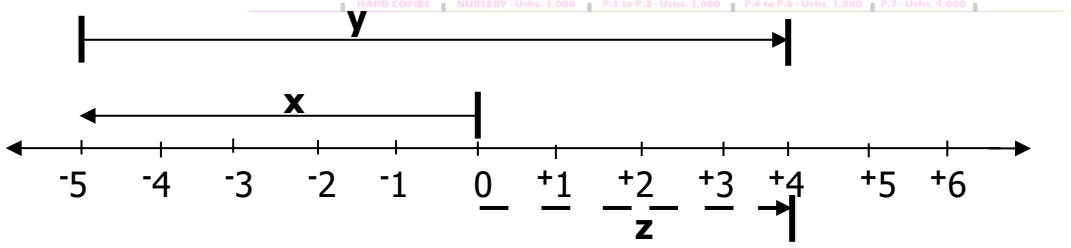
c) Work out the **L.C.M** of **x** and **y**. (2mks)

26.a) How many revolutions are there in **720^0**? (2mks)

26.b) By using a diagram, find the smaller angle between North and West. (3mks)

27. Arrange $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{1}{5}$ in descending order. (show the working) (3mks)

28. Use the number line below to answer the questions that follow.



a) Identify the integers marked;

x _____

y _____ (1mk each)

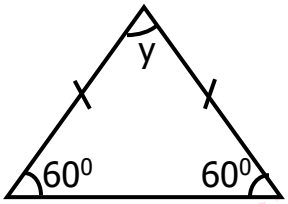
z _____

b) Write a mathematical sentence for the above integers. (2mks)

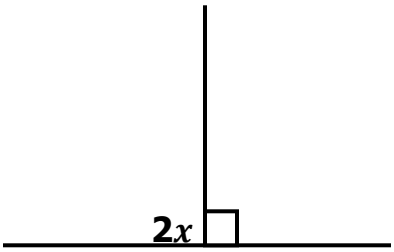
29. Construct a hexagon inside a circle of radius **2.5cm** using a pair of compasses, a pencil and a ruler. (4mks)

30. Calculate the value of the un known angles.

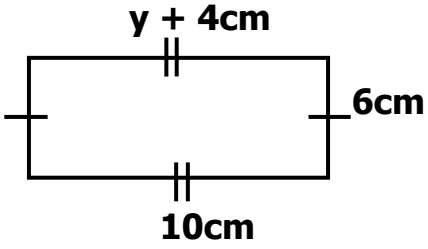
a) (2mks)



b) (3mks)



31. The figure below is a rectangle.



a) Find the value of **y**. (2mks)

b) Work out the area of the triangle. (2mks)

c) Calculate the total distance round the figure above. (3mks)

32.a) Complete the table below. (1mk each)

Marks	**Tallies**	Frequency
80	𝍸 | |	7
60		8
70	𝍸 ||||	
90	||||	
50	𝍸 𝍸	12

b) What is the modal mark? (1mk)

End (KAMCEB 2025)