

**CREATIVE EDUCATIONAL SERVICES
END OF TERM THREE EXAMS – P.6**

2025

MATHEMATICS (SET 2 OF 2)

Time allowed: 2 hours and 30 minutes

NAME: _____

FOR EXAMINER'S USE ONLY

Stream _____

Date _____

A	
B	
TOTAL	

Read the following instructions carefully:

1. This paper is made up of section A and B.
2. Section A has 20 short answer questions (40 marks).
3. Section B has 12 questions (60 marks).
4. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink and diagrams should be drawn in pencil.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. No calculators are allowed in the examination room.

TEACHER'S COMMENT	
SIGNATURE	
Date:	

SECTION A:40 MARKS

Questions 1 to 20 carry two marks each

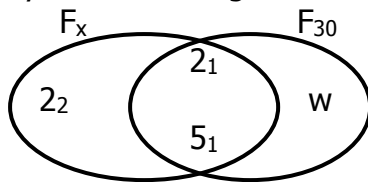
1.	Add: $363 + 37$	2.	Simplify: $3k - 2y - k + 4y$
3.	Arrange -4, 3, 0, -2, 1 in ascending order.	4.	Find the LCM of 9 and 12.
5.	The area of a triangle is 36m^2 . If its base is 6m, find its height.	6.	What number has been expanded to give $(5 \times 10^2) + (4 \times 10^0) + (7 \times 10^{-2})$?
7.	Convert 1101_{two} to base ten.	8.	$\frac{2}{3}$ of Oumar's salary is sh.600,00. Find his total salary.
9.	Round off 79.63 to the nearest whole number.	10.	If $a = -6$ and $b = 5$, find the value of $a^2 + b$

11.	Using a pair of compasses, ruler and a pencil, construct an angle of 120° .	12.	Solve: $9 - 3y = 30$
13.	What is 25% of 1800 mangoes?	14.	Find the sum of the next two numbers in the sequence; 2, 3, 5, 7, _____, _____
15.	Write XLIX in words.	16.	The cost of 3 books is sh.2400. what is the cost of 10 similar books?
17.	The average of 5, 6 and 3 is 7. Find the value of x.	18.	Work out: $2 - 3 = \text{_____} \pmod{6}$
19.	Using distributive property, work out: $(34 \times 8) + (66 \times 8)$	20.	How many elements are in a set with 127 proper subsets?

SECTION B: (60 MARKS)

[illegible]

24. Study the Venn diagram below and answer the questions that follow.



a) Find the GCF of x and 30 . (2mks)

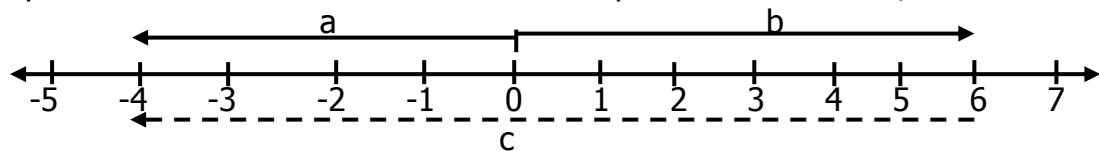
b) Work out the LCM of x and 30 . (3mks)

25. Joan scored as follows: 40, 70, 50, 82, 48, 70

a) Work out the median mark. (2mks)

b) Calculate the mean mark. (3mks)

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



a) Identify the integers represented by letter;

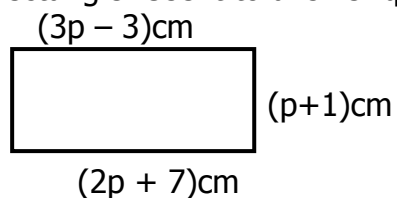
i) a _____

ii) b _____

iii) c _____

b) Write the mathematical statement shown on the above number line. (1mk)

27. The figure below is a rectangle. Use it to answer questions that follow.



a) Solve for p .

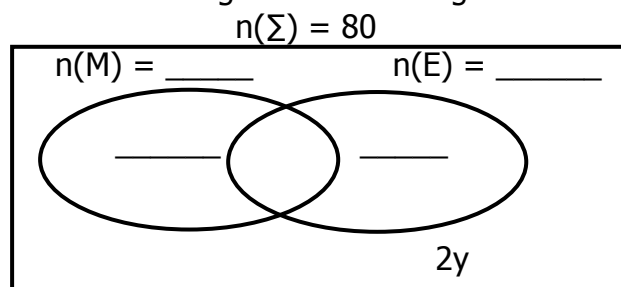
(2mks)

b) Calculate the area of the figure above.

(3mks)

28. In a class of 80 pupils, 37 like maths (M), 31 like English (E), 8 pupils like both subjects and $2y$ pupils like any of the two.

a) Complete the Venn diagram below using the above information. (3mks)



b) Find the value of y .

(3mks)

