

## CREATIVE EDUCATIONAL SERVICES END OF TERM THREE EXAMS – P.6 2025

## **MATHEMATICS (SET 2 OF 2)**

Time allowed: 2 hours and 30 minutes

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		FOR EXAMINER'S USE O		
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ate		В		
	Read the following instructions carefully:	TOTAL		
	This paper is made up of section A and B.			
	Section A has 20 short answer questions (40 mar	rks).		
	Section B has 12 questions (60 marks).			
	All answers to both section A and B must be wri	tten in the spaces provided.		
	All answers must be written in blue ink and diag	grams should be drawn in pencil.		
	Any handwriting that cannot easily be read will	lead to loss of marks.		
	Unnecessary alteration of work may lead to loss	of marks.		
	No calculators are allowed in the examination room.			
	TEACHER'S COMMENT			
	SIGNATURE			
	Date:			

## **SECTION A:40 MARKS**

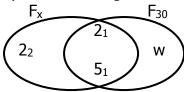
## Questions 1 to 20 carry two marks each

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 <sup>2</sup> . If its base is 6m, find its height.	6.	What number has been expanded to give $(5x10^2) + (4x10^0) + (7x10^{-2})$ ?
7.	Convert 1101 <sub>two</sub> to base ten.	8.	<sup>2</sup> / <sub>3</sub> 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 <sup>2</sup> + 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 = (mod 6)
19.	Using distributive property, work out: (34 x 8) + (66 x 8)	20.	How many elements are in a set with 127 proper subsets?

		SECTION B:	(60	MARKS)
21.	a) Simplify: $^{2}/_{3} - \frac{1}{4} + \frac{1}{3}$	(2mks)	22.	Ruth went shopping and bought the following items.  2kg of meat at sh.8000 @kg  1 ½ kg of sugar at sh.4000 per kg  3 bars of soap at sh.2200 each bar  a) What was her expenditure? (4mks)
	b) Work out: 0.12 x 0.8 0.2 x 0.4	(3mks)		b) If she remained with sh.1400, how much did she have before? (1mk)
23.	In trust Primary School, the a) What fraction are girls?		pils a	and of these, <sup>3</sup> / <sub>7</sub> are boys. (2mks)
	b) How many more girls a	re there in the	scho	ol than boys? (3mks)

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

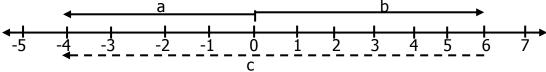
a) Work out the median mark.

(2mks)

b) Calculate the mean mark.

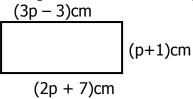
(3mks)

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.



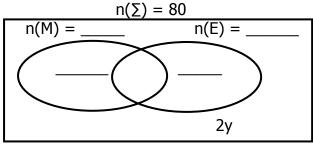
a) Solve for p.

(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)

29. C	Opolot shared sh.120,000 among his three children :5:4 respectively.	Tim, tam and Tom in the ratio of
	) How much money did each get?	(4mks)
b	) How much more money did Tam get than Tim?	(1mk)
30. a	) Using a ruler, a pencil and a pair of compasses, of ABCD in a circle of radius 4cm.	construct a regular quadrilateral (4mks)
b	) Measure line AB	(1mk)

b) Express 22½% as a decimal (1mk)  32. A tank was 2/3 full of water. When ¼ of the water in the tank was drawn, 2,500 litr remained. Find the capacity of the tank when full. (5mks)	32. A tank was 2/3 full of water. When ¼ of the water in the tank was drawn, 2,500 lit					
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