

**KABOJJA JUNIOR SCHOOL**  
**P, 7 Mot I Examination , 2025**  
**Mathematics**

**Time: 2 hours 30 minutes**

INDEX NUMBER

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**NAME:** \_\_\_\_\_

Signature: \_\_\_\_\_

FOR EXAMINER'S USE ONLY

District \_\_\_\_\_

Date \_\_\_\_\_

A	
B	
<b>TOTAL</b>	

**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.

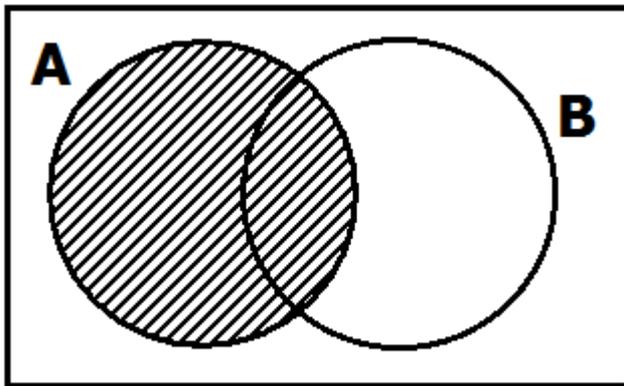
<b>PARENT'S COMMENT</b>	
<b>SIGNATURE</b>	
<b>Date:</b>	

**SECTION A:(40 Marks)**

1. Work out:  $3 + 13$

2. Write 15,049 in words.

3. Describe the unshaded region in the Venn diagram below.



4. What is the next number in the following sequence:

1 , 8 , 27 , 64 , \_\_\_\_\_.

5. Work out:  $-5 + +8$



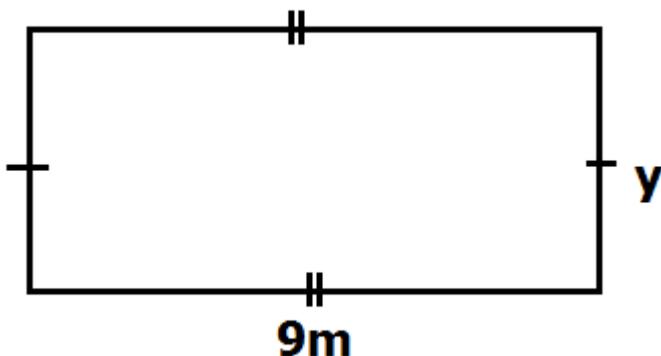
10. The distance between two telephone poles is 10 metres. What is the distance from the first pole to the thirteenth pole?

11. Subtract  $3x - 4$  from  $5x + 2$ .

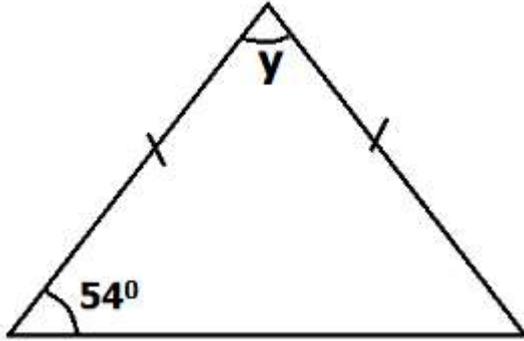
12. Work out the GCF of 24 and 36.

13. Given that set R has 32 subsets. How many elements are in set R?

14. The perimeter of the rectangle below is 32m. Calculate the value of  $y$ .



15. Find the size of angle  $y$ .



16. What is the value of 8 in the number 13845?

17. 9 men take 8 days to paint a house. How long will 12 men take to paint the same house?

18. A school uses  to represent 8 girls and  to represent 6 boys. How many pupils are represented below:



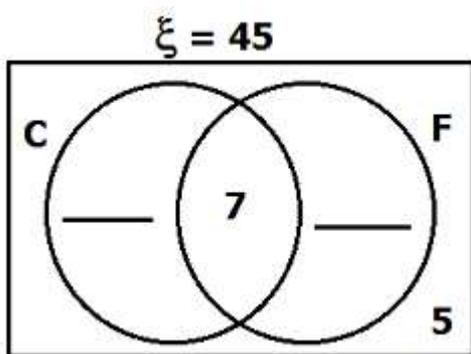
19. Jamil has  $\frac{2}{3}$  of a sugar cane. He gave  $\frac{1}{4}$  of it to Dirisa, what fraction of the sugar cane did Dirisa get?

20. Write  $3.24 \times 10^2$  as an ordinary number.

**Section B**

21. Out of 45 guests 27 were served with chicken (C),  $2y - 3$  were served with fish only, 7 with both fish and chicken while 5 were served neither of the two dishes.

(a) Use the information above to complete the Venn diagram below. **(2 marks)**



(b) Find the value of y. **(2 marks)**

(c) How many guests were served with only one type of dish? **(2 marks)**

22. A trader bought 1180 apples and packed them in 30 boxes. 11 of the boxes contained 33 apples each while each of the remaining boxes had the same number of apples. How many apples were in each of the remaining boxes? **(5 marks)**

23. Suubi travelled from town K to town M and covered the distance in  $2\frac{1}{2}$  hours at an average speed of 96km/hr.

(a) How far is town K from town M? **(2 marks)**

(b) He returned to town K from town M in  $1\frac{1}{2}$  hours. Calculate his average speed for the whole journey. **(2 marks)**

24(a) The temperature on a top of a mountain was  $-3^{\circ}\text{C}$  in the morning and in the afternoon it rose by  $20^{\circ}\text{C}$ . What was the temperature in the afternoon? **(2 marks)**

(b) Today is Wednesday, what day of the week will it be 69 days from now? **(2 marks)**

25. Barungi bought the following items:

**2kg of rice at sh. 4000 per kg**

**250g of garlic at sh 8000 per kg**

**1  $\frac{1}{2}$  l of cooking oil at sh 6000 per litre**

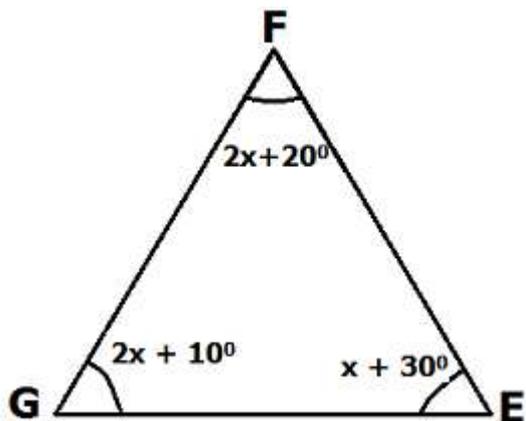
(a) How much money did she spend altogether? **(4 marks)**

(b) If she went a sh 50,000 note, how much money did she remain with? **(1 mark)**

26(a) Work out the quotient of the value of 8 and the value of 4 in the number 83405. **(3 marks)**

(b) Change 968 to Roman numerals. **(2 marks)**

27. The figure below is triangle DEF.



(a) Find the value  $x$ . **(3 marks)**

(b) What is the size of angle DFE? **(2 marks)**

28. Two bells ring at intervals of 25 minutes and 30 minutes respectively. The two bells ring together at 7:45 a.m. At what time will the two bells ring together again? **(4 marks)**

29. Jamia used  $\frac{4}{9}$  of her salary to buy food,  $\frac{3}{5}$  of the remainder to pay rent and saved the rest. If she saved sh.140,000: What was her salary? **(5 marks)**

30(a) Solve:  $5(m - 1) - 3(m - 2) = 9$  **(3 marks)**

(b) Given that  $4 \leq 2m < 6$ , find the solution set for  $m$ . **(3 marks)**

31. The table below shows the marks scored by pupils in a test.

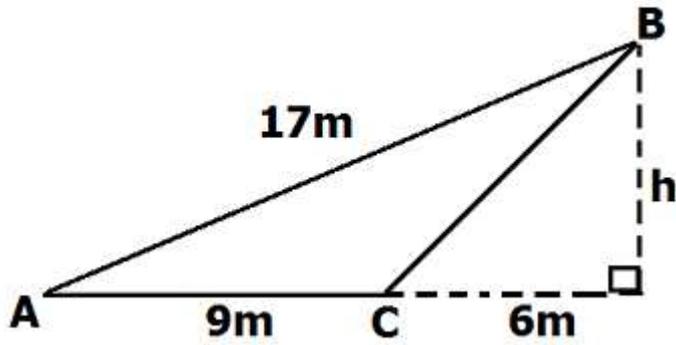
Marks	40	52	64	70	80
Number of pupils	2	3	1	3	1

(a) How many pupils did the test? **(2 marks)**

(b) Find the range. **(1 mark)**

(c) Work out the average mark. **(3 marks)**

32. Study the triangle below and answer the questions that follow.



(a) What is the height of the triangle?

**(3 marks)**

(b) Calculate the area of triangle ABC.

**(2 marks)**