



THE REPUBLIC OF UGANDA

KALANGALA DISTRICT EXAMINATION BOARD

PRIMARY LEAVING MOCK EXAMINATION

2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	Random Number						Personal Number		

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. The paper has **12** printed pages.
2. Answer all questions. All working for both sections **A** and **B** must be shown in the spaces provided.
3. All answers must be written 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 read easily may lead to loss of marks.
7. 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		

Co-funded by:

Hon. Nakimuli Hellen, Kalanga District Local Government

Turn Over

SECTION A: 40 MARKS

Answer **all** questions in this section
Questions **1** to **20** carry **two** marks each

1. Work out: $23 + 11$

2. Write 16047 in words.

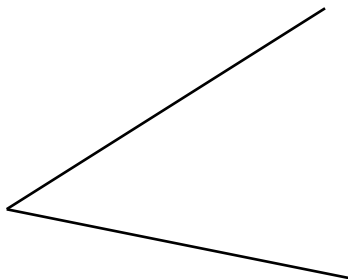
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3. Simplify: $-9 + +7$

4. Given that set **W** = {c , u , p}. List down the subsets of set **W**.

5. Using a pair of compasses, a ruler and a sharp pencil only, bisect the acute angle below.



6. Find the next two numbers in the sequence below:

2 , 3 , 5 , 7 , ,

7. Benjamin made a loss of sh 2100 after selling a pair of trousers to Alex for sh 7,900. How much money did Benjamin buy a pair of trousers?

8. Workout: $1\frac{1}{2} \div \frac{3}{4}$

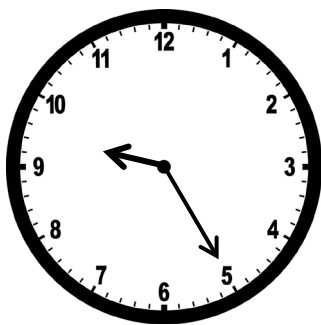
9. A taxi took 2 hours and 30 minutes to travel from Bugoma to Mulabana at a speed of 80km/h. How far is Bugoma from Mulabana?

10. If  represents 6 chairs, how many picture chairs will represent 42 chairs?



11. The average of $2a$, 4 , a and 6 is 4 . Find the value of a .

12. Tell the morning time shown on the clock face below.



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13. The bearing of **town A** from **town B** is 070° . Find the bearing of **town B** from **town A**.

14. Round off 4576 to the nearest hundreds.

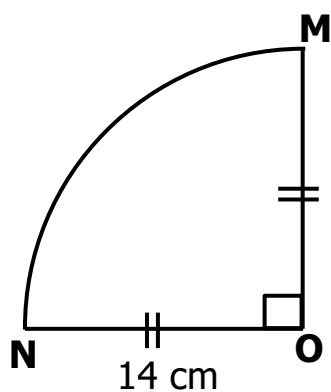
15. Find the smallest number of sweets that can be shared by 9 girls or 12 boys without leaving a remainder.



16. Solve the equation $2 + 7n = 23$

17. Given that $a = 2$, $b = 2m$ and $m = 3$. Find the value of abm .

18. Find the length of the **arc MN** on the diagram below. (Use: $\pi = \frac{22}{7}$)



19. There are 6 green and 5 red balls in a bag. What is the probability of picking a red ball from a bag?
20. Use the distributive property to work out: $(0.4 \times 36) + (64 \times 0.4)$.

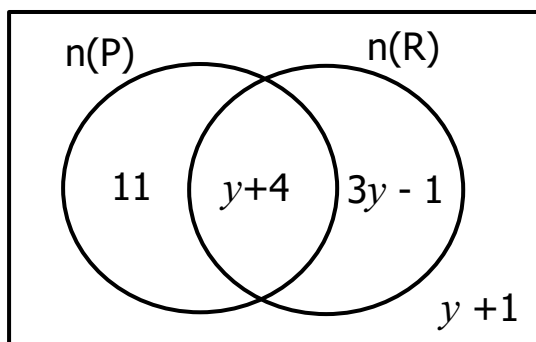


SECTION B : 60 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets

21. The Venn diagram below shows the number of people who like Peas (**P**) and Rice (**R**). Study it carefully and answer questions that follow:



Given that the number of people who like Peas only is equal to the number of people who like Rice only,

- (a) Find the value of y . (02 marks)

- (b) Find the probability of picking a person who does not like any of the two dishes. *(03 marks)*

22. Mr. Bbaale Amiinsi went for shopping and bought the following items:

2 kg of Sugar at sh 8000

$1\frac{1}{2}$ kg of beans at sh 4000 per kg

500 ml of milk at sh 2000 per liter

4 tubes of toothpaste at sh 2500 per tube

- (a) Find the total expenditure. *(04 marks)*

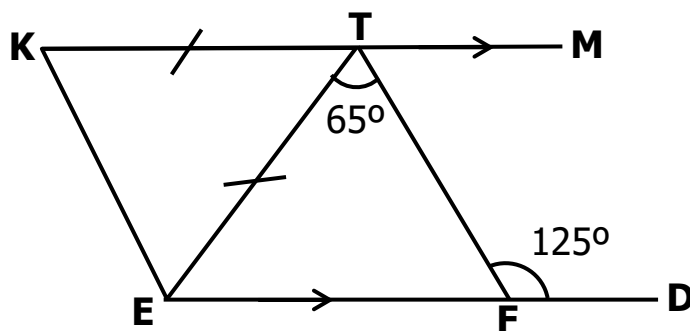
- (b) If he was given a discount of 10%, find the actual amount he paid for the items. *(02 marks)*



23. The radius of a circle is $(x - 2)$ cm and its diameter is $(x + 5)$ cm
 (a) Find the value of x . (02 marks)

- (b) Work out the area of the circle. (Use: $\pi = \frac{22}{7}$) (03 marks)

24. In the diagram below, line **KM** is parallel to **ED**. Angle **ETF** = 65° and **TFD** = 125° . Study it and answer questions that follow.



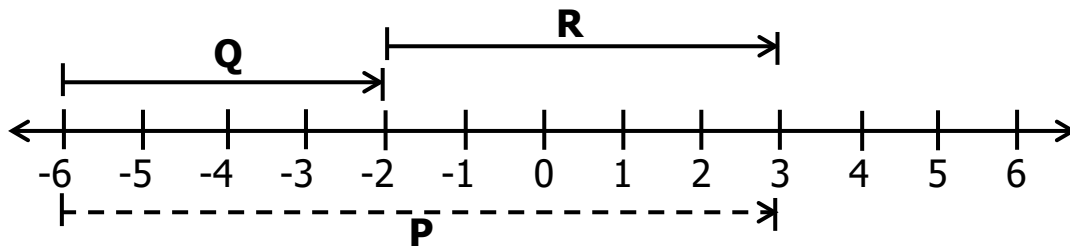
- (a) Calculate the size of angle **FTM**. (02 marks)

(b) Find the size of angle **KET**.

(03 marks)



25. Study the number line below and use it to answer questions that follow.



(a) Identify the integers represented by the letters **P** and **R**.

(i) **P** (01 mark each)

(ii) **R**

(b) Write the mathematical sentence for the above number line.

(02 marks)

26. The cost of a pen is sh 300 more than the cost of a pencil and the cost of a ruler is three times the cost of a pen. Akram paid sh 1700 for a pencil and a ruler. Find the cost of a pen. (04 marks)



27. (a) Using a ruler, a pencil, and a pair of compasses only, construct a parallelogram **EATS** where line **EA** = 7 cm, angle **SEA** = 60° and line **ES** = 4.5 cm. Drop a perpendicular from point **S** to meet **EA** at point **M**. (05 marks)

- (b) Measure line **SM**. (01 mark)

28. (a) Expand 432_{five} (03 marks)

- (b) Express 12 ten to binary base. (02 marks)



29. A man spends $\frac{1}{3}$ on fees, $\frac{1}{4}$ on rent, $\frac{2}{5}$ of the remainder on food and saves the rest.

(a) What fraction does he save? *(03 marks)*

(b) If he saves sh. 40,000, find the man's salary. *(02 marks)*

30. A motorist left Kibaale at a speed of 80 km/h and travelled for $1\frac{1}{2}$ hours to reach Kibanga. He rested for 30 minutes and then continued at a speed of 90 km/h for 2 hours to reach Bwendero.

(a) What is the distance from Kibaale to Bwendero? *(03 marks)*

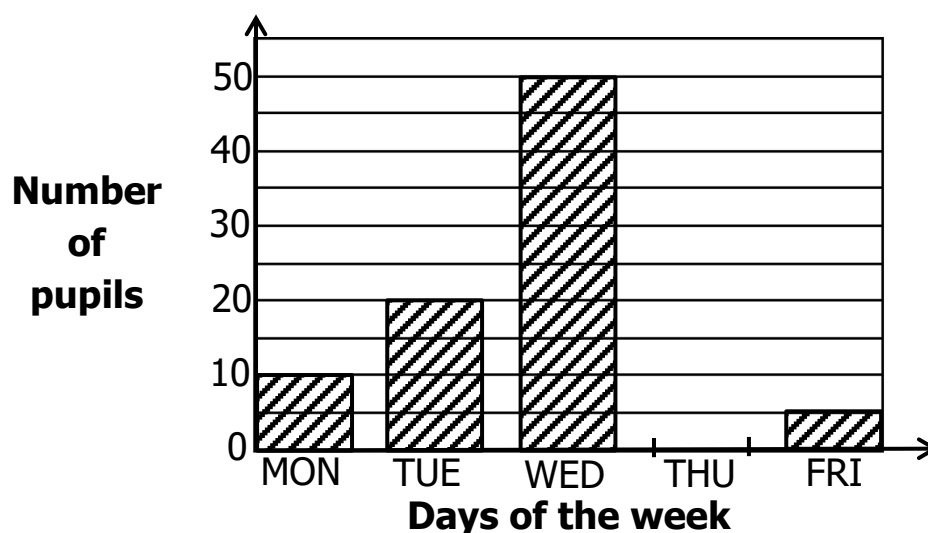
(b) Calculate the average speed of the motorist for the whole journey. *(02 marks)*

31. The sum of three consecutive odd numbers is 39.

(a) Find the numbers. (03 marks)

(b) Find their range. (02 marks)

32. The graph below shows the absentees of a certain class with 50 pupils. Study it carefully and answer questions that follow.



(a) How many pupils attended on Monday? (02 marks)

(b) Which day was a public holiday? (01 mark)

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(c) Calculate the average weekly attendance. (02 marks)