

# MAKINDYE SSABAGABO MUNICIPALITY

## PRIMARY LEAVING MOCK – 2025

### MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

INDEX NO:

Random No.						Personal No.		

**Candidate's Name** : \_\_\_\_\_

**Candidate's Signature** : \_\_\_\_\_

**Stream** : \_\_\_\_\_

**Division** : \_\_\_\_\_

**Read The Following Instructions Carefully:**

1. Do not write your school or district name anywhere on this paper.
2. This paper has **two** sections: A and B.  
Section A has **20** questions and section B has **12** questions.
3. Answer **all** questions. **All** the working for both sections A and B must be shown in the spaces provided.
4. **All** working must be done with a **blue** or **black** ball point pen. 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 easily be read 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		

**Turn over**

**SECTION A (40 MARKS)**

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

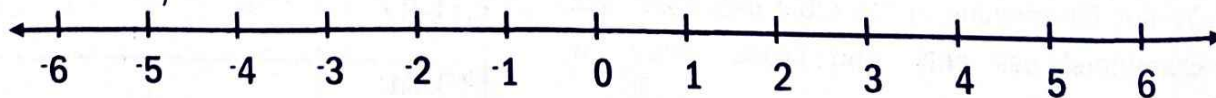
1. Work out:  $303 \div 3$

2. Write in figures: Thirty six thousand, eighty.

3. Simplify:  $4p - 3(P-1)$

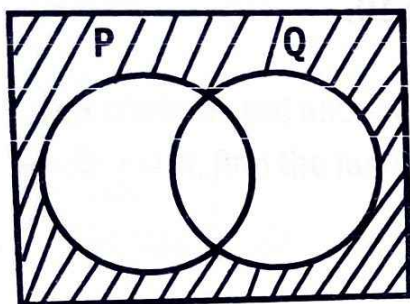
4. Change 750grams to kilograms.

5. Workout  $-5 + 2$  using the number line below.



6. Round off 20.69 to the nearest whole number.

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



8. Workout:  $1101_{\text{two}}$

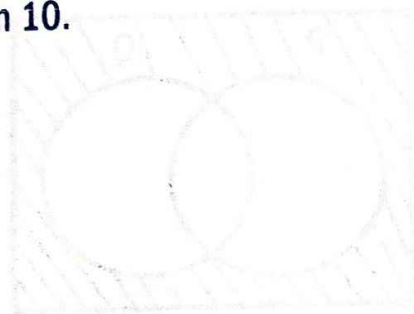
$$\begin{array}{r} + \quad 11_{\text{two}} \\ \hline \end{array}$$

9. Write the number whose standard form is  $8.04 \times 10^3$ .

10. A mother had  $\frac{3}{4}$  of a cake. If she gave two thirds of it to her son, what fraction of the cake did she remain with?

11. A market vendor bought three dozen books at Sh. 12,800 for every 16 books. How much money did the vendor spend on the three dozen books?

12. Find the sum of all the composite numbers less than 10.



13. Workout:  $3 - 5 = m$  (Finite 7)

14. A bicycle wheel rolled 50 times and covered a distance of 55m. Find the diameter of the wheel in centimeters.

15. Joshua covered a distance of 200metres in only 24 seconds. What is his speed in kilometers per hour?

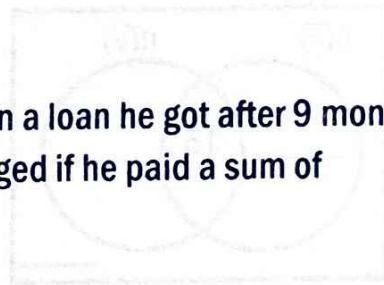


16. Construct an angle of  $150^\circ$  in the space below using a pair of compasses, a sharp pencil and a ruler only.



17. A box contains red and green apples. If the chance of Aanyu picking a green apple is 0.6, find the number of green apples if there are 20 red apples in the box.

18. Kamugisha paid an interest of sh. 162,000 on a loan he got after 9 months. What was the rate of interest per annum charged if he paid a sum of Sh. 1,962,000?



19. A shopkeeper withdrew a bundle of five thousand shilling notes arranged consecutively from MC3727374 to MC3727403. How much money did he withdraw?

20. A forty-minute double lesson started at the time shown on the clock face below in the morning.



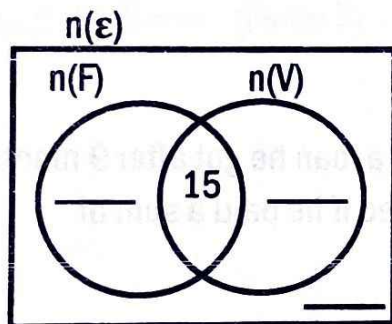
At what time did it end in 24 hour clock?

### SECTION B (60 MARKS)

21. In a class,  $2K - 3$  pupils play football (F) only,  $K + 10$  pupils play Volleyball (V) and 15 pupils play both games. Given that a third of the pupils who play both games do not play any of the two games.

- a) Complete the Venn diagram below.

(3marks)



- b) If 5 pupils play only one game, find the value of  $K$ .

(3marks)

22. A water tank is  $\frac{2}{3}$  full of water. When 300 litres of water are added, the tank becomes  $\frac{5}{6}$  full. How many litres of water does it hold when  $\frac{3}{5}$  full? (4marks)

23. a) Find the number whose expanded is;

$$(9 \times 10^3) + (4 \times 10^1) + (2 \times 10^{-2})$$

(2marks)

- b) How many times is six contained in the sum of the value of 7 and value of 8 in the numeral 5708? (3marks)

DEPARTURE	ARRIVAL	TOWN
8:45 a.m.	8:50 a.m.	Milborne
9:10 a.m.	9:20 a.m.	Sturton
10:30 a.m.	10:35 a.m.	Milborne
	1:15 p.m.	Rushington

24. Muzungu went to the shop to buy the following items and he was offered a discount of sh. 3,600

- ♦ 2 bars of soap at sh. 6,000 each bar
- ♦ 1500grams of Sugar at sh. 4,400 each kg
- ♦ 1 litre of milk at sh. 2,100 per 750ml
- ♦  $1\frac{1}{4}$  kg of rice

If she paid sh. 30,000 altogether, find the cost of rice per kg.

(6 marks)

25. The time table below shows the departure and arrival time of the Link Bus from Mbarara to Rukungiri. Study and use it to answer the questions that follow if Rukungiri is 630km from Mbarara.

TOWN	ARRIVAL	DEPARTURE
Mbarara		8 : 00a.m
Busheyi	8 : 50a.m	9 : 10a.m
Mitooma	10 : 20a.m	10 : 30a.m
Rukungiri	1 : 15p.m	

a) For how long did the bus take to travel from Bushenyi to Mitooma? (1 mark)



b) Calculate the total time the bus took while waiting for passengers on the way. (2 marks)

c) Find the average speed of the bus for the whole journey. (2 marks)

26. The exterior angle of a regular polygon is two thirds its interior angle. What name is given to that regular polygon? (4 marks)

27. Three people John, Jane and Juma contested for LCI Chairperson's seat in a village. The votes were shared in the ratio 4:3:5 respectively. If 630 people did not vote Juma but voted John and Jane, how many more votes did Juma get than Jane? (5 Marks)

28. a) Express  $12_{\text{three}}$  in binary base.

(3marks)

b) Find the value of K in  $11K_{\text{three}} = 32_{\text{four}}$ .

(2marks)

29. a) Using a ruler, a sharp pencil and a pair of compasses only, construct triangle PLE such that  $PL = 4.5\text{cm}$ , angle  $PLE = 135^\circ$  and  $LE = 6\text{cm}$ .

Drop a perpendicular line from E to meet PL at M.

**(5marks)**

b) Measure angle PEM.

**(1mark)**

30. A box containing spoons weighs  $18.25\text{kg}$  and an empty box weighs  $250\text{grams}$ .  
If each spoon weighs  $30\text{grams}$ , how many spoons are in the box?

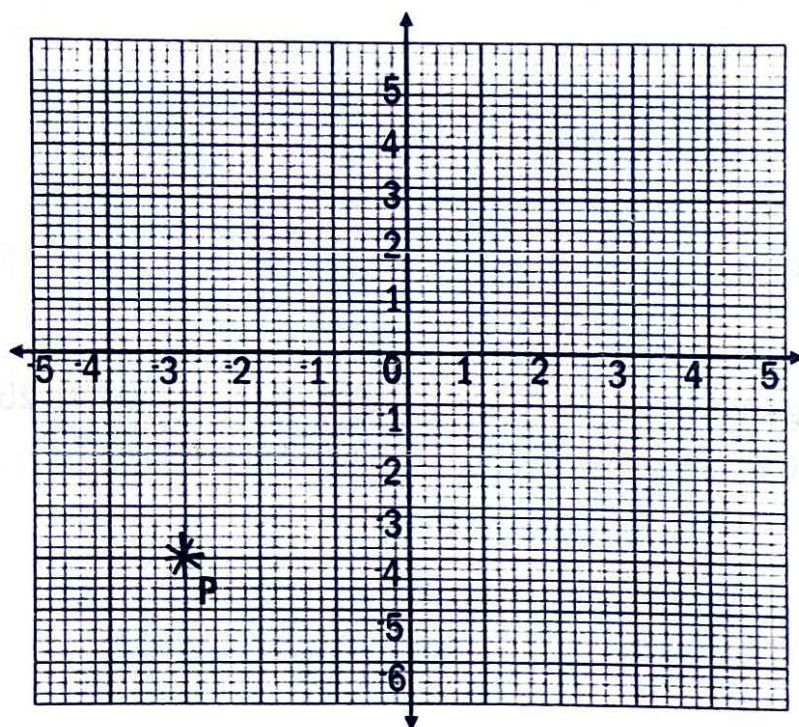
**(4 marks)**

31. a) Solve:  $5 \geq 2 - 3x \geq -7$

**(2marks)**

- b) The cost of a pen is Sh. 600 more than the cost of a pencil and a book costs twice as much as a pen. If the total cost of the three items is Sh. 3,800, find the cost of a pen. (3 marks)

32. Study the coordinate graph below and use it to answer the questions that follow



- a) Write the coordinates of point P. (1mark)
- b) Plot points Q (0, +3) and R (+4, +3). (2marks)
- c) Join points P to Q and Q to R. (1mark)
- d) Locate point S on the graph. Join it to P and R such that PQRS is a parallelogram. (1mark)

THE END