

**PRIMARY LEAVING MOCK EXAMINATION 2024**

**Time Allowed: 2 Hours 30 Minutes**

Index No.

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Candidate's Name:.....

School Name : .....

Division:.....

Candidate's Signature.....

### INSTRUCTIONS TO CANDIDATES

1. This paper is made up of two Sections A and B.
2. Answer all questions. All answer for both sections must be written in the Space provided.
3. All answers must be written using blue or black ball point pens. Diagrams should be done in pencil.
4. Unnecessary alteration of work leads to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes shown:  
for examiners use only.

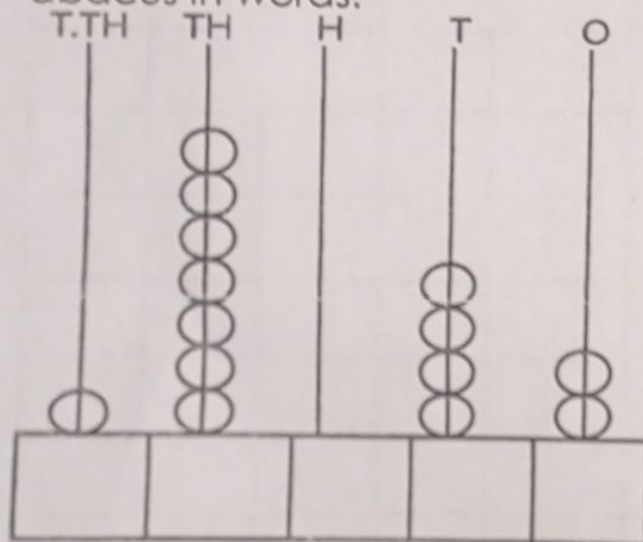
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# SECTION A (40MARKS)

1. Multiply:  $3 \times 4 =$

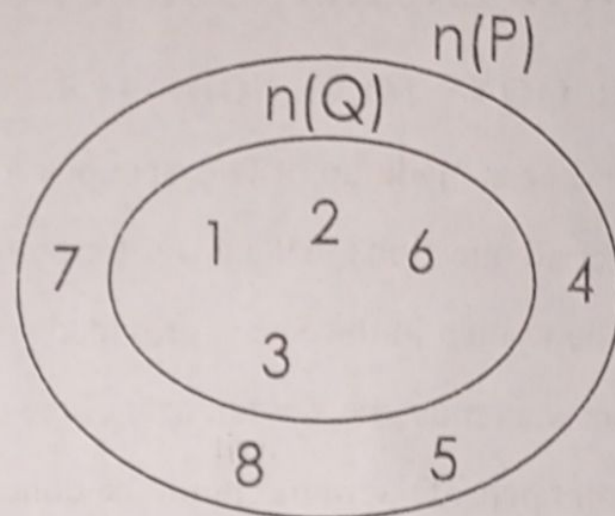
2. Solve:  $3x = 8 + 10 =$

3. Write the numeral shown on the abacus in words.



4. Tom is forty-nine years old. Express Tom's age in Roman numerals.

5. Use the venn-diagram below to find  $n(P \cup Q)$ .



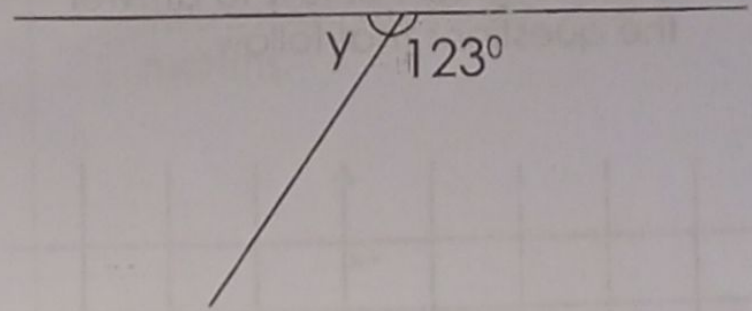


6. Divide:  $\frac{2}{3} \div \frac{1}{3}$

7. Workout:	weeks	days.
	75	3
	-16	6
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8. There are 3 red pens and 5 blue pens in a bag. Find the probability of picking a blue pen from the bag at random.

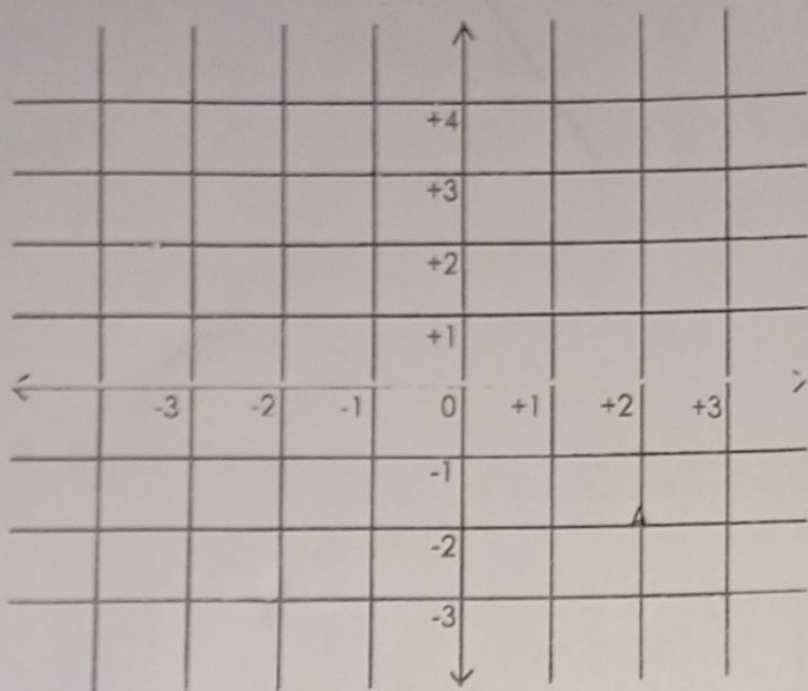
9. Calculate the size of the angle marked  $y$  in the diagram below.



10. Simplify:  $44 - (11 \times 4) \div 2$ .

11. The ratio of 2 numbers is 2:3. If their G.C.F is 4. Find their LCM.

12. Use the graph below to answer the questions that follow.



i) Give the co-ordinates for point A.

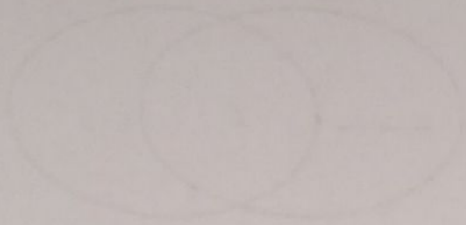
ii) On the graph plot point K (-2, +2)

13. The Price of a shirt reduced from sh.18000 to sh. 13500. Calculate the percentage decrease on the shirt.

14. Mary kept the following record on rainfall in centimetres. 4, 3, 6, 5, 2, 3 and 0. Find the mode.



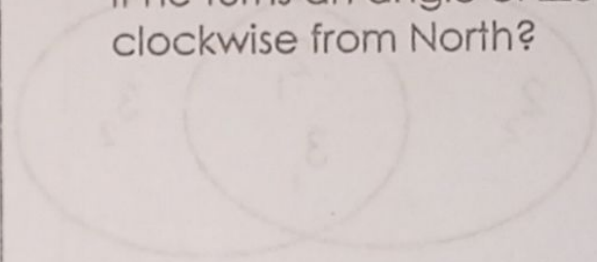
15. Using a ruler, a pencil and pair of compasses construct an angle of  $135^\circ$ .



16. The area of a square is  $121\text{m}^2$ .  
Find the length of its sides.

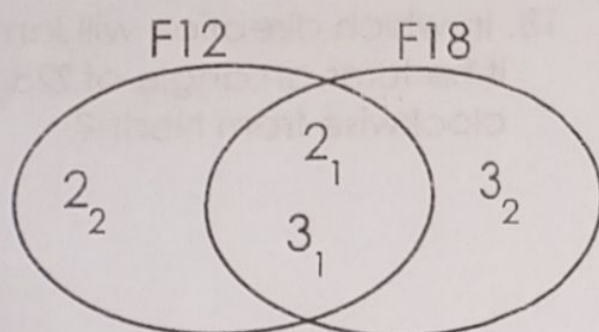
17. Karyegira deposited sh. 300,000 in the bank which offers an interest of 5% per month. Calculate the interest Karyegira got after 4 months.

18. In which direction will James face if he turns an angle of  $225^\circ$  clockwise from North?



19. 9 men can dig a trench in 18 days. How many less days will 27 men take to dig the same trench working at the same rate?

20. The venn diagram below shows the prime factors of 12 and 18. Use it to answer the questions that follow.

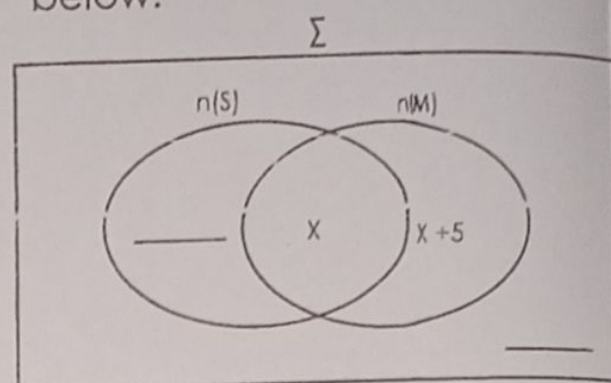


Find the lowest common multiple of 12 and 18.

### SECTION B (60MARKS)

21. In a class, 31 pupils like science (S) and  $(x+5)$  like mathematics (M) only,  $x$  pupils like both subjects while 3 pupils like neither of the subjects.

- a) Use the information above to complete the venn-diagram below.



- b) If 27 pupils like mathematics altogether, find the value of  $x$ . (2mks)

- c) Find the probability of finding a pupil who likes only one subject from the class. (2mks)



(S)

22. Workout:  $\frac{3.9+3.6}{0.06 \times 0.5}$  (3mks)

b) Simplify:  $\frac{5}{6} - \frac{3}{4} \div 1\frac{1}{2}$  (2mks)

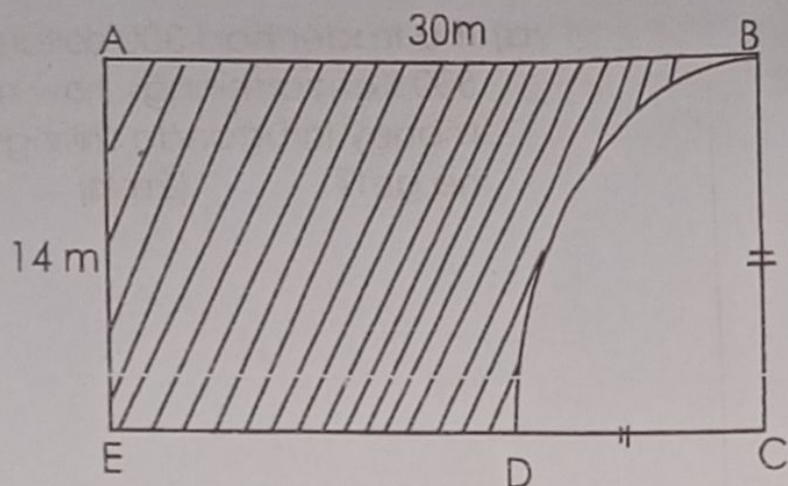
23. The rates at which the bank buys and sells United States dollars and Kenya shillings are given in the table below.

Currency	Buying rates	Selling rates
1 us dollar	Ug sh. 3500	Ugsh.3600
1 kenya shillings	Ug sh.30	Ugsh.35

a) If a trader had 300 dollars and 500 Kenya shillings, how much money in Uganda shillings can he get? (2mks)

b) How many dollars will Kiplimo get for Ksh. 48000? (3mks)

24. Study the figure below and answer the questions that follow.

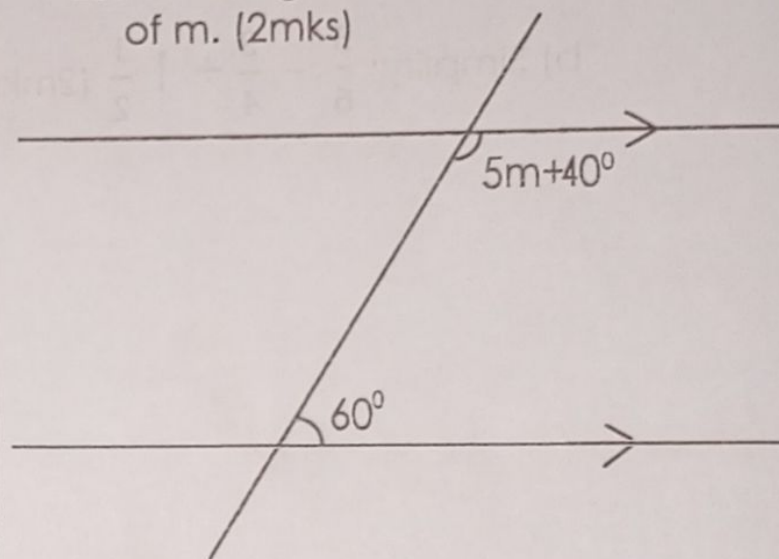


a) Find the length of the arc BD.  
(use  $\pi$  as  $\frac{22}{7}$ )

b) Calculate the perimeter of the figure ABDEA. (2mks)

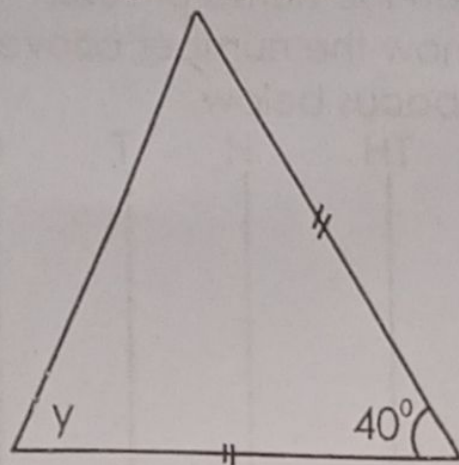
c) Workout the area of the shaded part, (3mks)

25. In the figure below find the value of  $m$ . (2mks)





- c) Find the value of angle  $y$  in the triangle below.



26. The Sum of 3 consecutive even numbers is 54.

a) Find the numbers. (4mks)

b) Workout their range. (1mk)

27. Ndagire bought 15 glasses for sh.8000 each. As she was transporting them some glasses got broken and sold the rest at sh. 12000 each getting a profit of 10%. How many glasses got broken? (5mks)

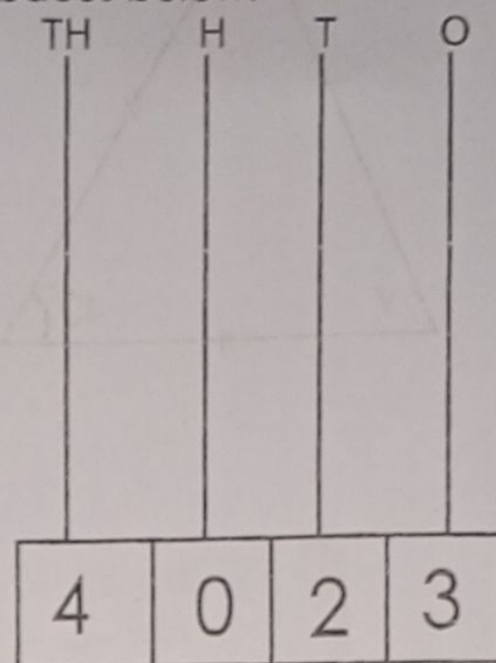
28. Using a ruler, a pencil and pair of compasses only, construct a parallelogram ABCD where  $AB=6\text{cm}$ , angle  $ABC=120^\circ$  and line  $AD=4.5\text{cm}$ . (4mks)

b) measure the length of diagonal AC in cm. (1mk)

29. A geometry set costs half as much as a book. A book costs sh. 600 less than a fountain pen. If the total cost of the three items is sh. 6900. Find the cost of a geometry set. (4mks)

30. Given the numeral 4023.

a) Show the number above on the abacus below.

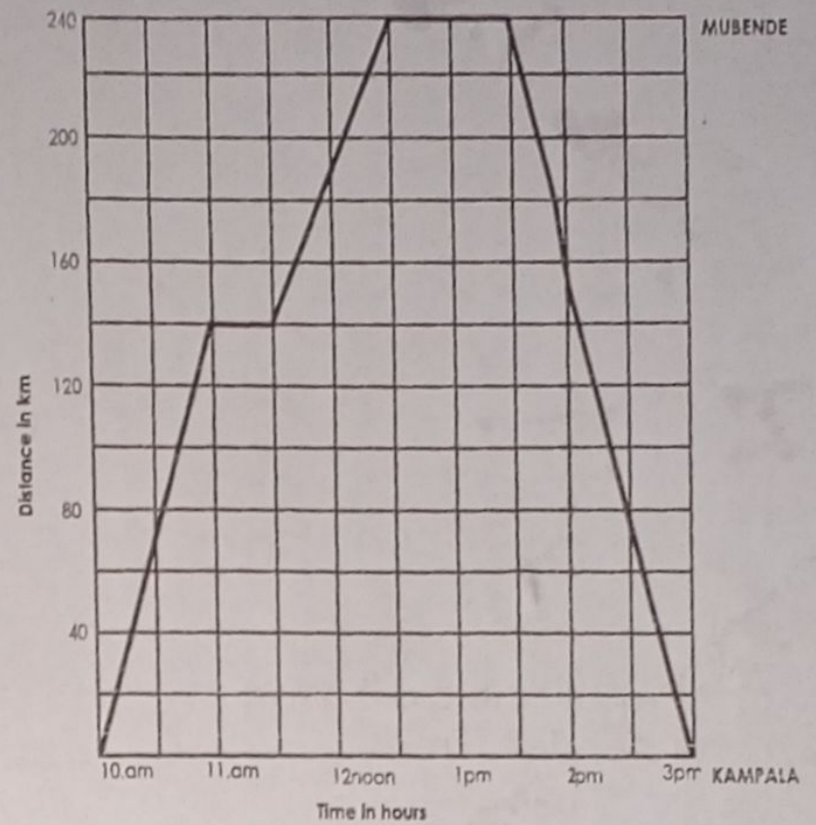


b) Find the difference between the value of 4 and the place value of 2 in the number above. (3mks)



c) Express the number above in scientific form. (1mk)

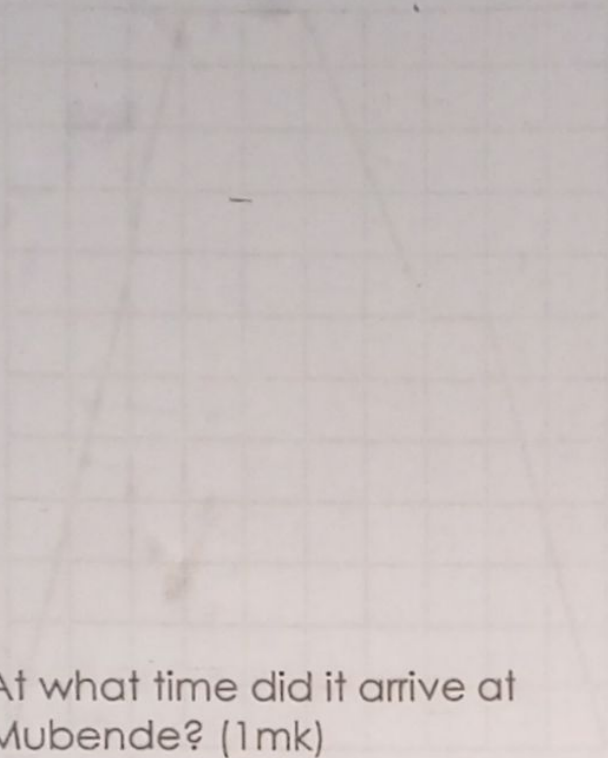
32. The graph below shows the bus movement from Kampala to Mubende and back. Use it to answer the questions that follow.



31. Joseph spends  $\frac{1}{3}$  of his monthly salary on food  $\frac{1}{4}$  on rent  $\frac{3}{10}$  of the remainder on transport and saves shs 280,000. What is his monthly salary? (5mks)

a) At what time did the bus leave Kampala? (1mrk)

b) For how long did it rest at Mubende? (1mk)



c) At what time did it arrive at Mubende? (1mk)

d) Calculate the average speed while travelling. (2mrks)