



THE REPUBLIC OF UGANDA

BUGWERI DISTRICT ACADEMIC 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 EXAMINER'S 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		

SECTION A: 40 MARKS

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

1. Work out:

$$\begin{array}{r} 5\ 6\ 7 \\ - 1\ 2\ 3 \\ \hline \\ \hline \end{array}$$

2. Write 90,010 in words.

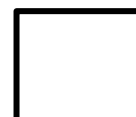
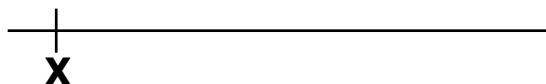
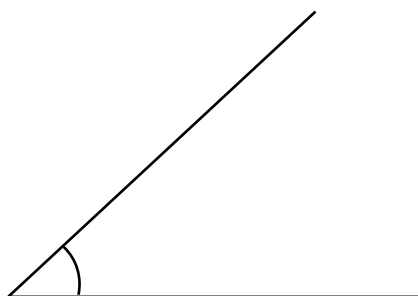
.....
.....

3. Given that $n(P) = 3$. Find the number of subsets in set P.

4. Find the next term in the sequence:

$$\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, \dots\dots\dots$$

5. Using a ruler, a pencil and a pair of compasses only, copy the marked angle onto point **X**.



6. Simplify: $^{-}3 - ^{+}2$

7. The prime factors of two numbers; a and b are given below.

$$Fa = \{2_1, 3_1, 3_2, 5_1\}$$

$$Fb = \{2_1, 2_2, 3_1, 3_2, 7_1\}$$

Use the given prime factors to find the highest common factor (HCF) of a and b

8. Express CIX in Hindu-Arabic numerals

9. Work out: $101_{\text{two}} + 11_{\text{two}}$

10. A girl buys 18 mangoes at sh 9000. Find the cost of 20 mangoes.



11. Convert $1\frac{8}{25}$ kilogrammes into grammes.

12. The tallies below represent the number of boys in a class of 40 pupils.

/// /// /// /// /// ///

Find the number of girls in the class.

13. Use distributive property to work out: $(39 \times 73) + (39 \times 27)$

14. Solve: $2n + 3 = 17$

15. The bearing of town **S** from town **V** is 188° . Find the bearing of town **V** from town **S**.

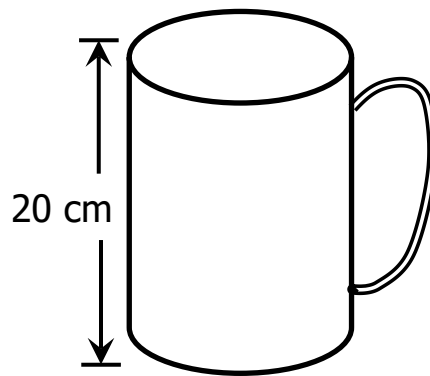


16. Calculate the simple interest on sh 80,000 kept in a bank for 2 years at 5% per annum.

17. Given that $y = 3$ and $x = 2$. Find the value of $yx^2 - 4y$.

18. A trader bought a shirt at sh 20,000. He later sold it at sh 17,500. Find his loss.

19. Below is a cylindrical cup whose volume is 3000 cm^3 . Use it to answer the question that follows.



Find the area of a circular piece of cardboard needed to cover the cup above.

20. A bus 10 metres long takes 1 second to cross a man standing alongside the road. Calculate the speed of the bus in kilometres per hour.



SECTION B: 40 MARKS

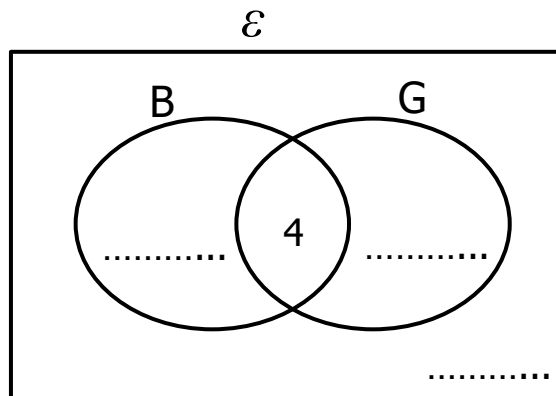
Answer **all** questions in this section

Marks for each question are indicated in brackets

21. In a village, 4 farmers grow both beans (**B**) and groundnuts (**G**).
3p farmers grow beans, 3 grow ground nuts only while p+2 grow neither of the two crops.

(a) Use the given information to complete the Venn diagram below.

(03 marks)



- (b) Given that 11 farmers do not grow beans. How many farmers grow beans only?

(03 marks)

22. (a) Simplify: $\frac{3}{4} - \frac{1}{4} \div \frac{3}{8}$

(02 marks)

(b) Work out: $\frac{1.3}{0.26 \times 0.2}$ (03 marks)



23. Kizito bought the following items from Uchumi supermarket.

4 kg of sugar at sh 4500 per kilogram
500 g of salt at sh 1200 each kilogram
 $1\frac{1}{2}$ litres of cooking oil at sh 6000 a litre

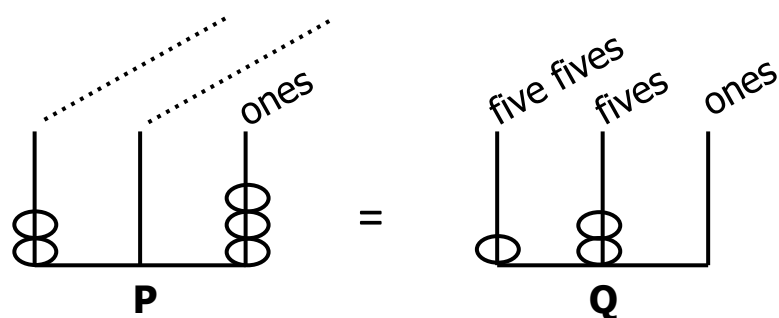
Find Kizito's total expenditure. (04 marks)

24. Kituyi left Mbale at 8:30 a.m. for Kampala driving at an average speed of 80km/h. She reached Kampala at 1:00 p.m. She rested for 1 hour and then drove back to Mbale through the same route at an average speed of 72km/h.

At what time did she reach Mbale? (06 marks)



25. The drawings below represent two abaci; **P** and **Q**. Use them to answer the question that follows.



Write the missing place values on abacus **P**.

(05 marks)

26. (a) Using a ruler, a pencil and a pair of compasses only, construct a triangle SKY such that angle K = 90° , angle KYS = 60° and line KY = 5 cm.

(04 marks)

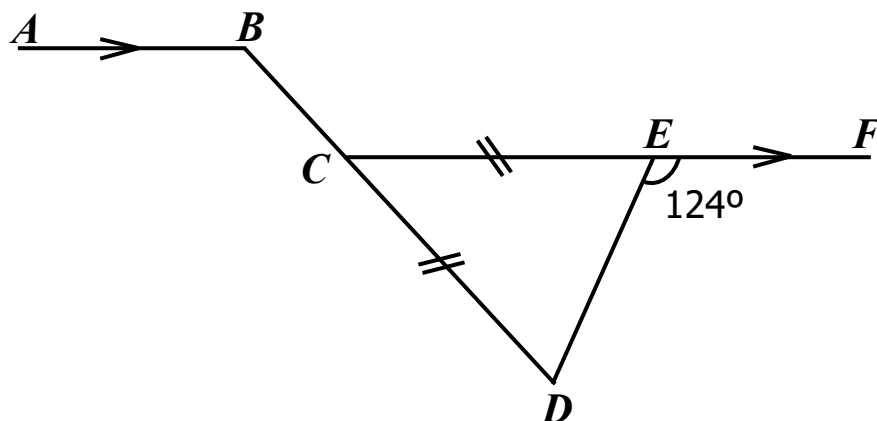


- (b) Measure line SY = cm

(01 mark)

27. One hundred ten pupils of Primary Six stood 80 cm apart around a circular field. Find in metres, the diameter of the field. (Use $\pi = \frac{22}{7}$)
- (04 marks)

28. Study the figure below and use it to answer the question that follows.



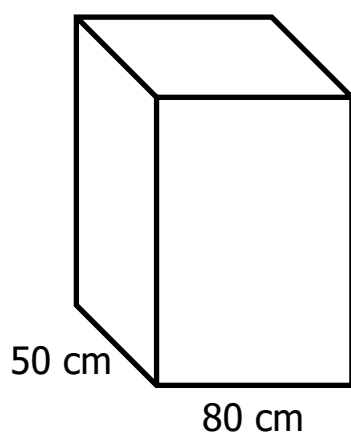
Find the size of angle:

- (i) ECD (03 marks)

- (ii) ABC (02 marks)

29. In a shop, a pen costs sh 300 more than a pencil and the cost of a ruler is 3 times the cost of a pen. Akram paid sh 1700 for a pencil and a ruler. Find the cost of a pen. *(04 marks)*

30. Below is a rectangular water tank with a tap connected to it. The height of water in the tank is 45 cm. The tap pours 12 litres of water into the tank per minute.



If the tap is left open for 5 minutes, the tank becomes a sixth full. Find the actual height of the tank. *(06 marks)*

31. Annet, Arnold and Amos shared sh 39,000 in the ratio of 3:8:2 respectively. How much money did each get? *(04 marks)*

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

Marks	Number of pupils	Total marks
80	3	
.....	4	240
.....		600

If the mean score was 72, complete the table above. *(06 marks)*

