



THE REPUBLIC OF UGANDA

BUGWERI DISTRICT ACADEMIC COMMITTEE

SPECIAL PRE - PRIMARY LEAVING 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 EXERMINER'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

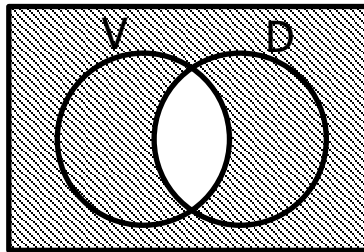
1. Work out: $24 \div 12$

2. Write 90,014 in words.

.....

.....

3. Describe the shaded region on the Venn diagram below.



4. Find the next number in the sequence:

32 , 21 , 14 , 9 , 6 ,

5. Using a ruler, a pencil and a pair of compasses only, construct an angle of 105° .



6. Work out: $4 \times 5 = \dots\dots$ (finite 7)
7. Round off 67.98 to the nearest tenth.
8. Use distributive property to work out: $(25 \div 3) + (5 \div 3)$
9. Work out: $1001_{\text{two}} - 11_{\text{two}}$
10. Mukiibi bought 9 mangoes at sh 2800. Find the cost of 36 mangoes at the same rate.

11. Carol's farm produces 98.5 litres of milk daily. Find its weekly milk production in millilitres.

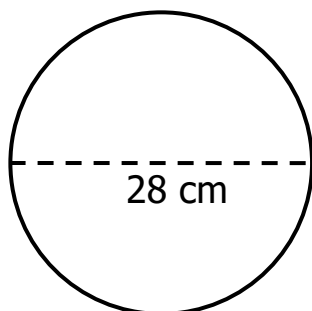
12. A woman deposited sh 250000 in a Village Sacco which offers an interest rate of 2% per month. Find the interest she earned in 1 year

13. Solve the inequality: $3 + 4x < 11$

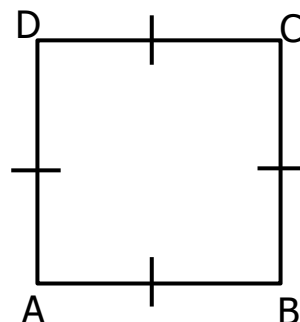
14. The interior angle of a regular polygon is 108° . Find the number of sides of that polygon.

15. The circular wire of diameter 28 cm was refolded to form a square wire as shown in the figures below.

Circular wire



Square wire



Find length AB in cm. (Use $\pi = \frac{22}{7}$)



16. Subtract $2n - 2$ from $3n - 3$

17. Find the lowest common multiple (LCM) of 12, 8 and 9.

18. Below is a list of marks scored by 6 pupils in a test. The mean mark of pupils was 81.

80 , d , 96 , d , 80 , 80

Find the value of **d**.

19. A trader bought some dresses at sh 10,000 each. She later sold them at sh 13000 each making a total profit of sh 60,000. How many dresses did she buy?

20. A motorcyclist covered 42 kilometres in 45 minutes. Find his speed in kilometres per hour.



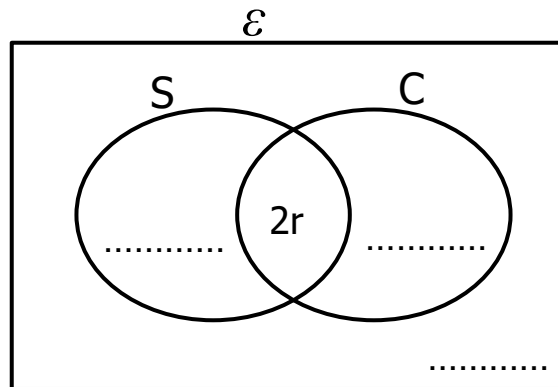
SECTION B: 40 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets

21. In a village, 50 farmers grow sorghum (**S**) and 30 grow cassava (**C**).
2r grow both crops while 10 grow neither of the two crops.

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



(03 marks)

- (b) The village has 72 farmers altogether. Find the number of farmers who do not grow cassava.

(03 marks)

22. (a) Express 0.1666 ... as a simplified common fraction. (03 marks)

(b) Express 1.25 as a ratio.

(02 marks)



23. Alex went to a Farmers' Market with sh 30,000 and bought the following items;

6 tomatoes at sh 400 every 3 tomatoes

2 litres of cooking oil at sh 5500 a litre

$2\frac{1}{2}$ kg of onions at sh 1500 each quarter kg

How much money did he remain with?

(05 marks)

24. (a) Find the number whose standard form is 2.07×10^{-3} .

(02 marks)

- (b) In the number 68493, find the difference between the value of 8 and the value of 9.

(02 marks)



25. A wire of length 161 metres was shared by boys of P.7. The average length of wire each boy got was 230 cm. The number of boys is 18 less than that of girls.

(a) Find the number of boys who shared the wire. *(02 marks)*

(b) Calculate the total number of pupils in P.7. *(02 marks)*

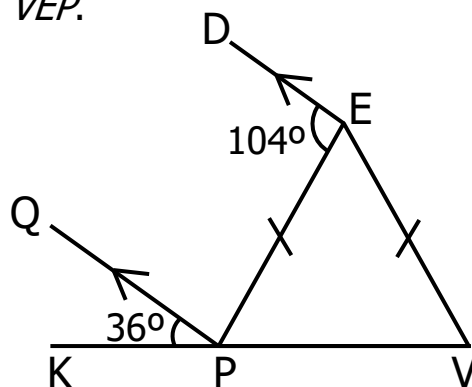
26. (a) Using a ruler, a pencil and a pair of compasses only, construct a triangle **WPS** such that angle **S** = 45° , line **SW** = 7 cm and line **SP** = 5.5 cm. *(04 marks)*

(b) Measure angle WPS =



(01 mark)

27. (a) Study the figure below carefully and use it to find in degrees, the size of angle VEP . (04 marks)



- (b) The bearing of Village **X** from Village **Y** is 314° . Find the bearing of village **Y** from Village **X**. (02 marks)

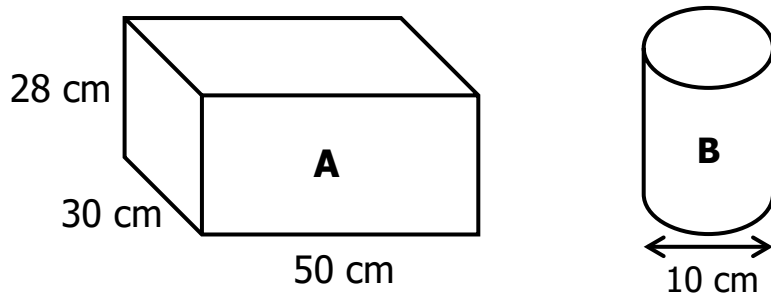
28. In a school of 720 pupils, 288 of them are girls and the rest are boys. Two thirds of the boys are day scholars and a sixth of the girls are boarders. Find fraction of pupils who are day scholars in the school. (05 marks)



29. (a) Given that $a = 4$, $b = 3$ and $c = -1$. Find the value of $ab - 8ac$.
(02 marks)

(b) Solve: $x + 19 = 5x + 7$ (02 marks)

30. Thirty tins of size **B** were packed in box of size **A** leaving unoccupied space of 9000 cm^3 .

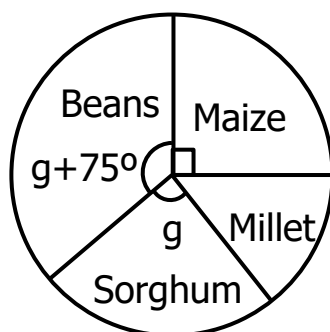


- (a) Calculate the volume of box **A**. (02 marks)

- (b) How many layers filled the box? (Use $\pi = \frac{22}{7}$) (04 marks)

31. A bus left Kampala at 7:58 p.m. for Arua which is 435 kilometres away moving at an average speed of 60 km/h. At what time did it reach Arua?
(04 marks)

32. The pie chart below shows the total production of crops on a farm in a season. The total production was 18000 kilograms. Study it carefully and use it to answer questions that follow.



Given that 1500 more kilograms of sorghum than millet was produced in that season.

- (a) Find in kilograms, the mass of sorghum produced. (04 marks)

- (b) If each kilogram of millet was sold at sh 4000. How much money was collected from millet? (02 marks)



END