



GOMBA DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION, 2024

PRIMARY SEVEN

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random Number						Personal Number		

Candidate's Name:.....

Candidate's Signature.....

School Name:.....

District ID:.....

Read the following instructions carefully:

FOR EXAMINER'S USE ONLY

Qn. No.	Marks	Exrs' No.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

- ~~This paper is made up of two Sections: A and B.~~
- Section A, has 20 short-answer questions (40 marks) and Section B has 12 questions (60 marks)
- All the working for both sections A and B must be shown in the spaces provided.
- All working must be done using a blue or black ball-point pen or fountain pen. Only diagrams should be done in pencil.
- No calculators are allowed in the examination room.
- Unnecessary alteration of work may lead to loss of marks.
- Any handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the boxes indicated "For examiners' use only"

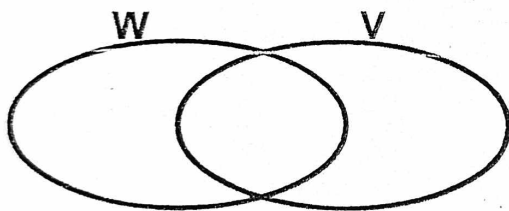
SECTION A: (40 Marks)

1. Multiply:

$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$

2. Express fifteen thousand forty four as a numeral.

3. Use the venn diagram below to shade $(V - W)'$

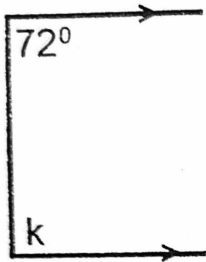


4. Write 13_{ten} as a binary numeral.

5. Decrease 800 in the ratio of 4:5.

6. Work out $-3 + 4$ without using a numberline.

7. Find the value of the unknown in the figure below.



8. Find the product of the next two numbers in the sequence below.

1, 5, 3, 7, _____, _____

9. What morning time is shown by the clockface below?

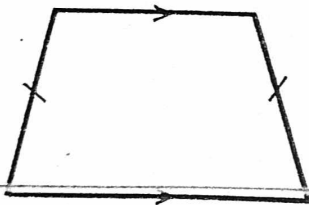


10. Munira sold a dress at shs.12000 making a loss of 40%. At what price did she purchase the dress?

11. The average age of 5 boys is 12yrs. If one of the boys leaves the group, the average age becomes 9yrs. How old is the boy who left the group?

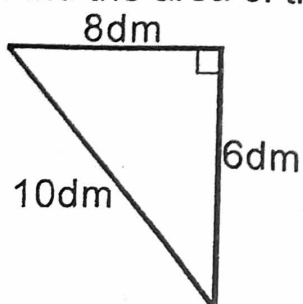
12. Using a ruler, a sharp pencil and a protractor, draw an angle of 60° .

13. Draw all the lines of folding symmetry in the figure below.



14. Simplify: $3p - 7k + 8k - 2p$

15. Find the area of the figure below.



16. Use distributive property to work out: $(84 \div 4) + (16 \div 4)$

17. Work out: $2 \div 5 = \underline{\hspace{2cm}}$ (finite 7)

18. A bus travelled at a speed of 80km/hr for 3hrs. What distance did it cover?

19. If a die is rolled once, what is the chance of getting a prime number on top?

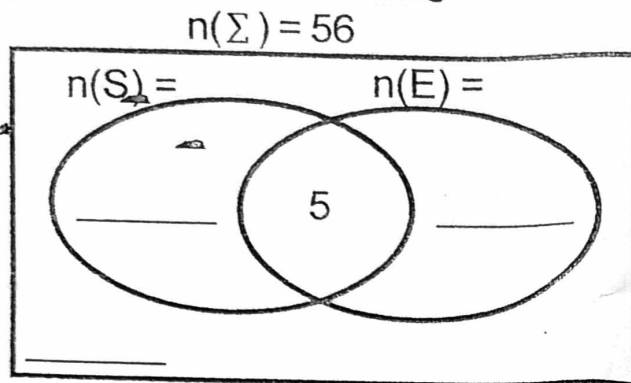
20. Find the range of 5792 and 63241.

SECTION B: (60 Marks)

21. In a class of 56 learners, 20 like Science (S), p like English (E) only which is two times the number of pupils who like neither Science nor English.

(a) Complete the venn diagram below.

(3marks)



(b) Calculate the value of p .

(2marks)

22. The rate at which the bank buys in Uganda are as below:

£1 costs Ugsh. 4500

\$1 costs Ugsh. 3700

Ksh1 costs Ugsh. 30

- (a) If a trader has \$ 230 and Ksh 100, how much money does he have in Uganda shillings altogether?

(3marks)

(b) If a trader buys a TV set at Ugsh. 1,350,000, how many pound sterling can he pay?

(2marks)

23. Given the number 5460.

(a) Expand the above number using indices.

(2marks)

(b) Workout the value of digit 4 in the above number.

(1mark)

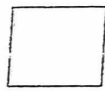
(c) Represent the above number on the abacus.

(2marks)

24. (a) Simplify: $\frac{1}{2} - \frac{1}{4} + \frac{2}{3}$

- (b) Ivan sold an item at a profit of 20%. If the buyer paid sh 54000 for the item, find the amount of money Ivan paid for the item. (3marks)

25. Use a ruler a sharp pencil and a pair of compasses to construct a square in a circle of radius 4.3cm. (4marks)



- (b) Workout the area of the above square. (1mark)

26.

The interior angle of a regular polygon is 36° more than its exterior angle.

(2 marks)

- (a) Find the size of each exterior angle.

- (b) Name the polygon.

(3 marks)



27. (a) Solve for p: $2(2p - 1) = 4$ (finite 7)

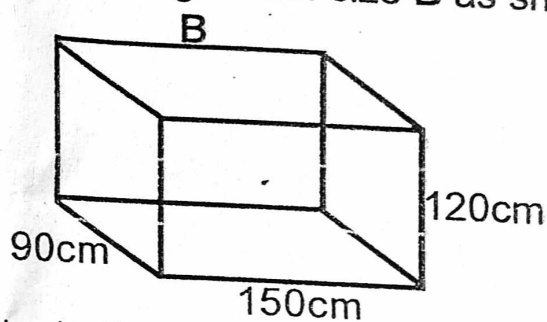
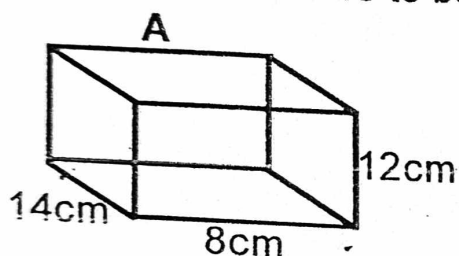
(3 marks)

- (b) Find the value of the unknown base.

(2 marks)

28. A school buys $\frac{4}{5}$ of the sugar used at school from Aaron, if it buys $\frac{1}{4}$ of the remaining sugar from Mango and it produces 1500kg. What is the total number of kilograms of sugar the school uses? (5marks)

29. Boxes of size A are to be placed in a big box of size B as shown below.



- (a) How many boxes (A) can fill the bottom of box (B).

(2marks)

- (b) Find the number of layers that can be made in box B.

(1mark)

- (c) What is the volume of box B that will remain unoccupied.

(2marks)

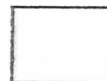
30. The sum of 3 consecutive even numbers is 24.

(a) Find the numbers.

(3marks)

(b) Work out the range of the numbers.

(2marks)



31. A motorist left town P to town Q at a steady speed of 10km/hr. He returned to town P at a steady speed of 15km/hr. If he used 5hrs to cover the whole journey. Calculate the distance between P and Q.

(5marks)

32. Town A is 40km East of town B and town C is 30km from town A on a bearing of 060° .

(a) Draw a sketch to show the position of the three towns.

(1mark)

(b) Using a scale of 1cm representing 10km, draw an accurate diagram to show the positions of the three towns.

(3marks)

(c) Find the shortest distance.

(1mark)

END