

**DIOCESE OF KIGEZI**  
**2024 PRIMARY LEAVING MOCK**  
**MATHEMATICS**

***Time Allowed: 2 hours 30 minutes.***

Candidate's Name: .....

Candidate's Signature: .....

Archdeaconry: .....

Parish: .....

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.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers **must** be written using blue or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **Loss of marks**.
6. Do not fill 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		
<b>TOTAL</b>		

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P.T.O



SECTION A (40 MARKS)

1. Subtract  $306 - 24$
2. The cost of 9 pens is 1800/= What is the cost of 3 similar pens?
3. Given that set  $Y = \{1,2,3,4,5\}$ . Find the number of subsets?
4. Find the LCM of 8 and 9.
5. Simplify  $7n - 4p - 3n - 2p$
6. Write six hundred fourteen thousand fourteen in figures.



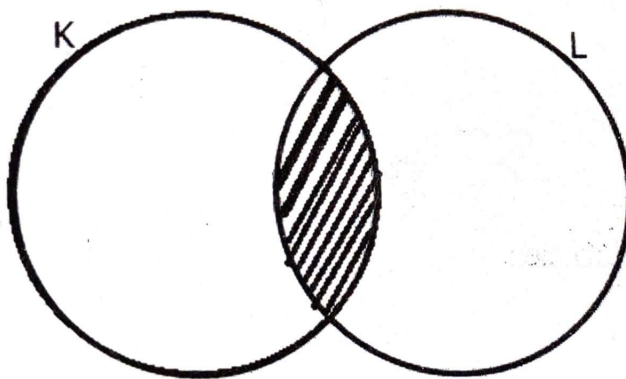
7. Two angles are supplementary. If one of them is  $28^\circ$ , find the other angle.

8. Find the next number in the sequence; 1,4,9,16,25, \_\_\_\_\_

9. Convert **CDXLIX** in Hindu Arabic numerals.

10. Round off **51.94** to the nearest whole number.

11. In the Venn diagram below, describe the shaded part.



12. Work out:  $1011_{two} + 11_{two}$

13. A motorist moved at a speed of 90km per hour. Express his speed in metres per second.

14. If  $y = \frac{1}{3}$  and  $k = \frac{1}{2}$ , Find the value of  $yk$ .

15. A trader borrowed Shs. 800.000 from a bank for 6 months at a rate of 4% per month. Find the interest she paid after six months.

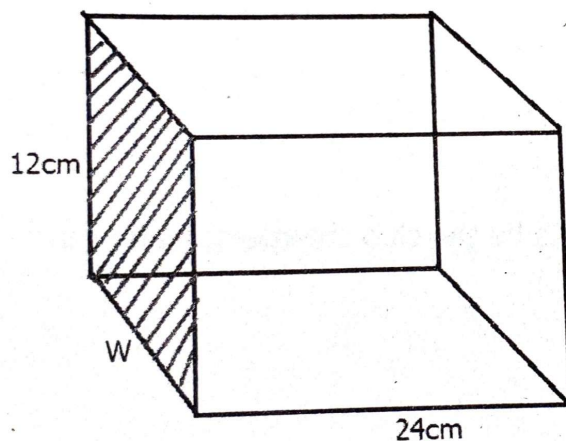
16. What number has been expanded to get;  
 $(9 \times 10^3) + (7 \times 10^1) + (5 \times 10^{-1})$

17. Simplify:  $150 \div (7+3)$  of 5

18. Using a ruler and a pair of compasses, construct an angel of  $30^\circ$

19. Rearrange  $\frac{2}{5}$ ,  $\frac{1}{4}$  and  $\frac{3}{4}$  in ascending order

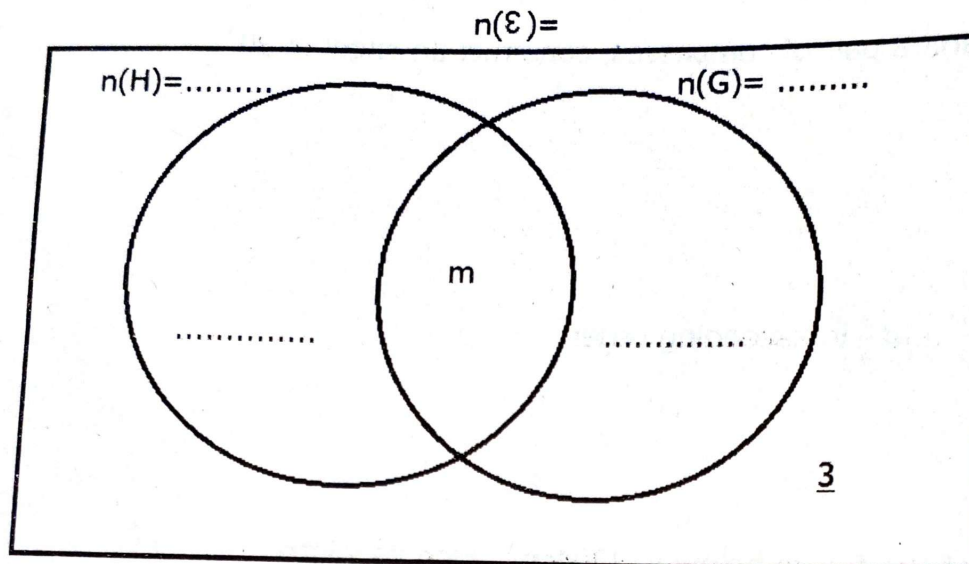
20. The volume of the figure below is  $2304\text{cm}^3$ . Find its width.



### SECTION B (60 MARKS)

21. In a club of 40 members, 32 play golf (G), 20 play hockey (H),  $m$  play both games and 3 do not play any of the two games.

(a) Represent the above information on the venn diagram below.



(b) How many members play both games?

(c) Find the probability of picking a member to be the club chairperson and that member likes only one type of game.

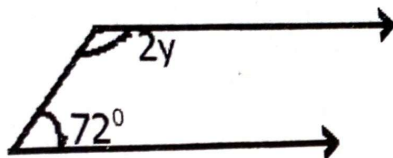
22. How many complete revolutions can a motor wheel of diameter 35cm make to cover a distance of 4.4km?

23. The bells ring at intervals of 20 minutes, 30 minutes and 40 minutes for infant section, Middle section and Uppers section respectively.

(a) After how long will they ring together?

(b) If they last rung at 08:00a.m, at what time will they ring together again?

24. Study the figure below and find the value of  $y$ .



(b) The complement of  $2x - 10^\circ$  is  $60^\circ$ . Find the value of  $x$ .

25. (a) Solve:  $\frac{m-2}{3} = \frac{m+1}{4}$



(b) Think of a number, add 3 to it and double the result. Your answer is 18. What is the number?

26. (a) 5 pieces of timber are used to make 2 tables. How many tables can be made from 15 pieces of timber?

(b) If each piece of timber costs sh.9,500/, how much money is spent to buy timber to make 10 tables?

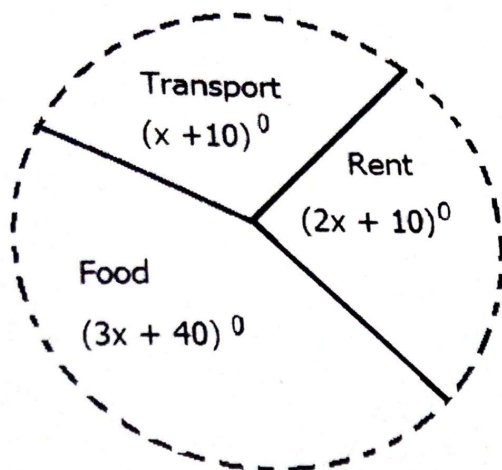
27. There are 20% more boys than girls in a class. If there are 100 pupils in a class.

(a) What percentage are girls?

(b) What is the difference between girls and boys in terms of percentage?



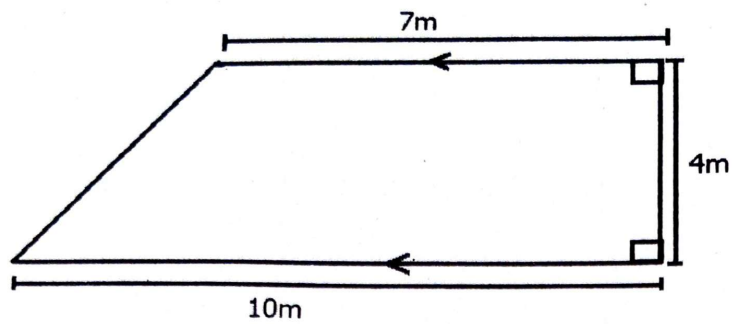
28. The pie chart below shows the major expenditure of Mr. Tumushabe. Use it to answer questions that follow.



(a) Calculate the value of  $x$

(b) If Mr. Tumushabe spends shs. 300,000 on transport, how much does he earn as his monthly salary?

29. Find the perimeter of the shape below.



30. Using a pair of compasses, ruler and pencil only, construct a rhombus ABCD where  $AB=6\text{cm}$ , angle  $DAC=60^\circ$  and angle  $ABC=120^\circ$ .



31. (a) Solve for  $k$ :  $4k - 13 = 7$

(b) Solve for  $y$ :  $15 \geq 3y - 3 \geq -12$

32 (a) Convert 252 km/hr to m/sec.

(b) A bus takes 3 hours to cover a journey of 180km/hr and takes 2 hours to return.  
Calculate the average speed of the whole journey.

END