

**INTENSIVE CARE SCHOOLS WANDI
TEREGO
PRE-REGISTRATION EXAMS SET I 2024
PRIMARY SEVEN MATHEMATICS**

Time allowed: 2 hours 30 minutes.

Index No:

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Candidate's Name:

Candidate's Signature

Read the following instructions carefully:

- 1. The paper has two sections A and B*
- 2. Section A has 20 questions 40 marks.*
- 3. Section B has 12 questions 60 marks.*
- 4. Show your working in both sections in the spaces provided*
- 5. All answers must be written using a blue or black ball-point pen or ink.*
- 6. Unnecessary changes of work may lead to loss of marks*
- 7. Any handwriting that cannot easily be read may lead to loss of marks.*
- 8. Do not fill anything in the boxes shown:*

"For examiners' Use Only" and those inside the question paper.

**FOR EXAMINER'S
USE ONLY**

<i>Qn. No.</i>	<i>Marks</i>	<i>Examiners' No.</i>
<i>1 – 10</i>		
<i>11 – 20</i>		
<i>21 – 30</i>		
<i>31 – 32</i>		
<i>TOTAL</i>		

**INTENSIVE CARE SCHOOLS WANDI P.7 MATHEMATICS PRE-REGISTRATION
EXAMINATIONS 2024
BY Tr. BABEL**

"Education is the Best Gift to a Child"

Turn Over

Section A: (40 Marks)

1. Multiply: $\frac{1}{2}$ by 2.

2. Given that set $R = \{ K, A, T, O \}$, Find $n(R)$

3. Solve for y $3y - 4 = 5$.

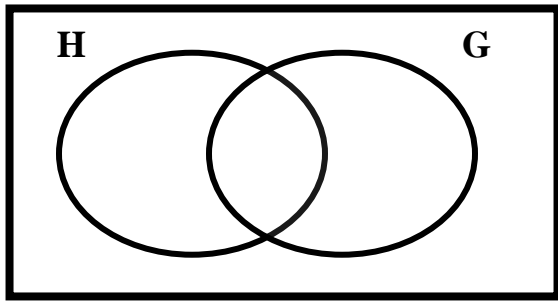
4. Find the sum of the next two numbers in the sequence.
32, 28, 24, 20, _____, _____

5. Change 4000cm^3 to litres.

6. On a grave stone, a man was born in MCMXIII and died in MCMXCIX. Express the man's age by the time he died in Hindu Arabic numerals.
7. Write fifteen minutes to eleven in the morning in figures.
8. Using a pencil, a ruler and a pair of compasses only, construct a semi-circle whose radius is 6cm.
9. Workout: $3 \times 9 \div 3 + 2$

10. Write the number whose standard form is 2.04×10^3 .
11. Find the unknown base: $101_n = 26_{\text{ten}}$.
12. The bearing of Moroto town from Kampala is 024, find the bearing of Kampala from Moroto.
13. Using the distributive property only, work out: $(67 \times 78) + (22 + 76)$

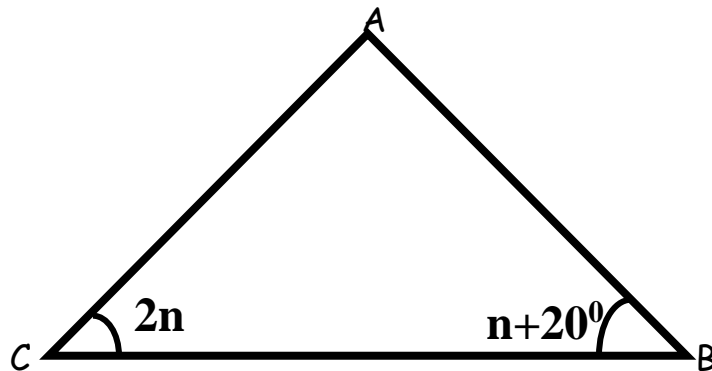
14. In the Venn diagram below, shade the complement of set **G**.



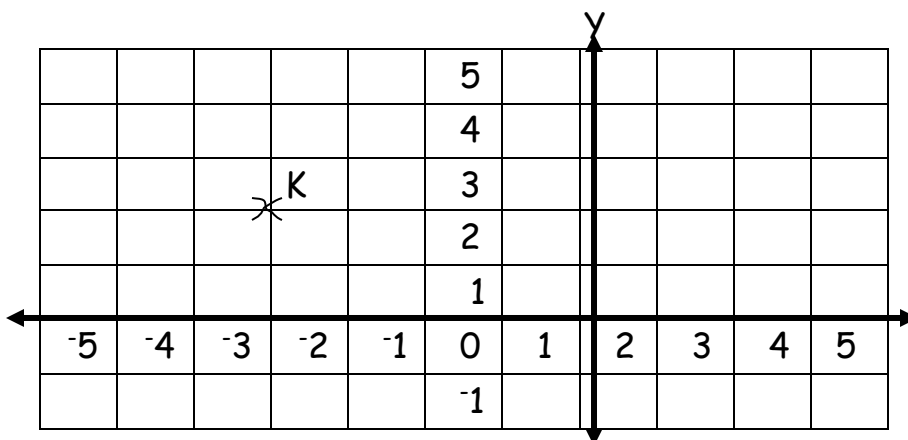
15. An industry packs exercise books in dozens. On a certain day, the industry produced 13200 books. How many dozens were packed that day?
16. Round off 4732 to the nearest hundreds.
17. In a group of 96 people, $\frac{1}{4}$ are children and the rest are adults. Find the number of adults.

18. If a dollar costs Ugsh. 2600, how many dollars would you buy with Ugsh. 520,000?

19. In the triangle below, angle BAC is 50° . Find the value of n .



20. State the co-ordinates of point K on the grid.

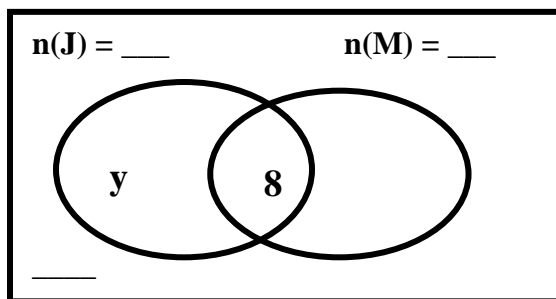


K is at _____

Section B (60 marks)

21. In a group of 60 tourists, y visited Jinja (J) only, $(40 + y)$ visited Mbale (M) only, 8 visited both towns while two visited other towns.

a) Complete the Venn diagram below using the above information. (3mks)



b) Find the value of y . (2mks)

c) State the probability that a tourist selected at random visited Jinja only. (1mk)

22. a) Subtract: $m - 2k$ from $4k - 3m$. (2 mks)

b) Solve for w in: $3(w - 2) - 2(1 + w) = -4$. (3mks)

23. A motorist from Lugazi reached Mukono at 12:30pm. The journey took 50 minutes.

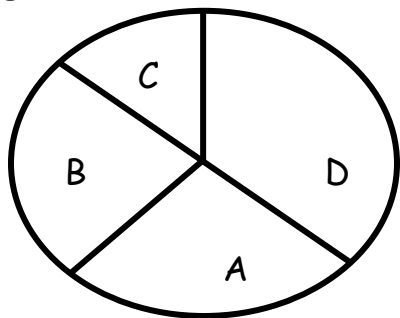
a) At what time did the motorist leave Luwero? (2mks)

b) If Mukono is 60km from Lugazi. Calculate the average speed of the motorist in km/hr. (2mks)

24. a) At a birthday, children were served with 2 queen cakes each and adults were served with 3 meat pieces each and each member who attended was served with a bottle of sodas. If 48 queen cakes and 72 meat pieces were served, how many people attended the party? (3mks)

b) If a crate of soda contains 24 bottles and costs 12,000/=, how much was spent on sodas? (2mks)

25. The pie chart below is accurately drawn to represent the population in 4 villages.



- a) By measuring, find the degrees of village C. (2mks)

b) If there 850 people in village A, find the total population of all the villages. (3mks)

26. Mariamu is twice as old as Susan. The product of their ages is 128.

a) How old is each of them?

b) After how many years will their total age be 30 years?

27. a) With the help of a ruler, sharp pencil and a pair of compasses only, construct a triangle **WXY** in which **WX = 7cm**, **WY = 5.4cm** and angle W is 120° . Drop a perpendicular from **Y** to meet **WX** at **Z**.

(4mks)

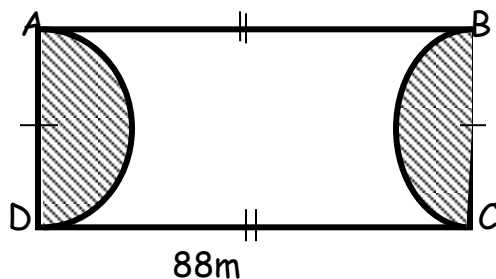
b) Measure angle **WXY** = _____

(1 mk)

28. Apanyo a P.7 girl went to the shop and bought the following items.
A dozen of books at sh. 500 per book, 750gm of posho at 2600 per kg
and 9.5 litres of cooking oil at 1800 per litre.
a) Find her total expenditure. (4 mks)

- b) If she was given a 10% discount, how much money did she pay for the items? (1mk)

29. Mr. Mulumba has his farm land as shown in the diagram below. (2mks)
Given that he gave out the shaded part to his first born?



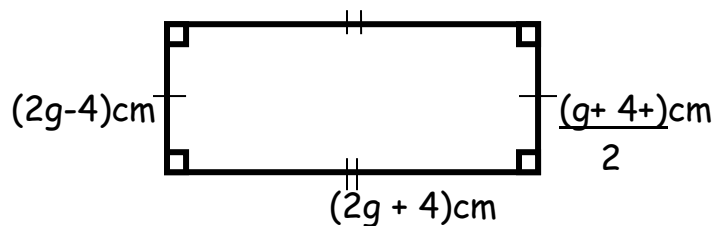
- a) Find the length BC if curve AD is a half of length AB.

- b) Workout the perimeter of the land that Mr. Mulumba remained with. (2mks)

30. Ayado answered $\frac{1}{2}$ of her maths homework questions of Friday. $\frac{1}{4}$ of the remainder on Saturday and she completed the remaining 15 questions on Sunday
- a) Find the total number of questions Ayado was given as how work. (4mks)

- b) Find the number of questions she answered on Friday. (1mk)

31. Study the diagram and answer the questions that follow.

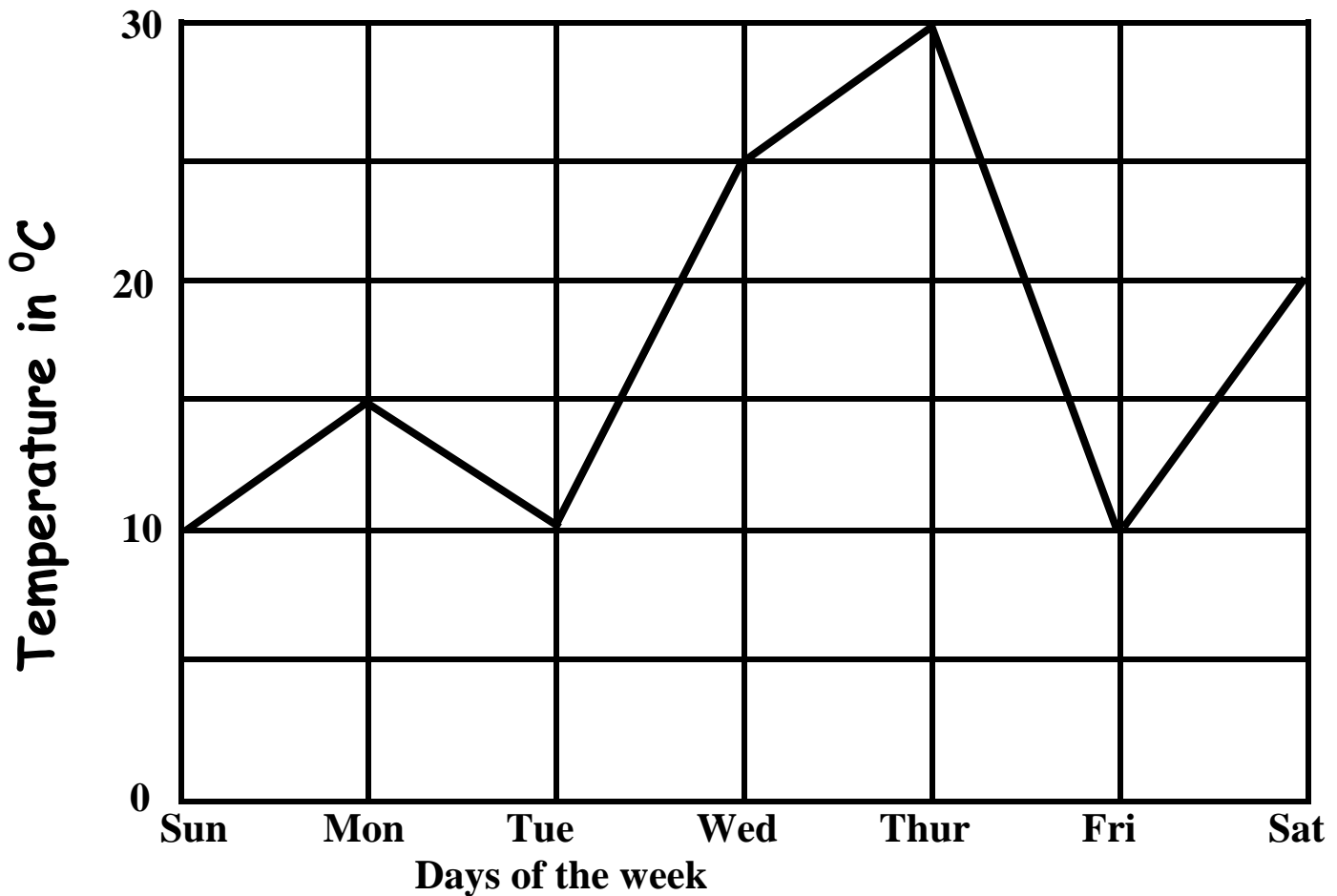


- (a) Find the value of g . (2mks)

b) Calculate its area.

(3mks)

32. The graph below show the temperature of a certain place for a week.



(a) What was the temperature recorded on Wednesday? (1mk)

(b) Find the modal temperature recorded in the week. (1mk)

(c) Workout the average temperature recorded in that week. (3mks)

THE END