

ST. CHARLES LWANGA PRI.SCH.KAWANDA
PRIMARY LEAVING MOCK EXAMINATION, 2025
P.7 MATHEMATICS
Time allowed: 2hours 30 minutes

Index No.

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STREAM: _____

Candidate's Name: _____

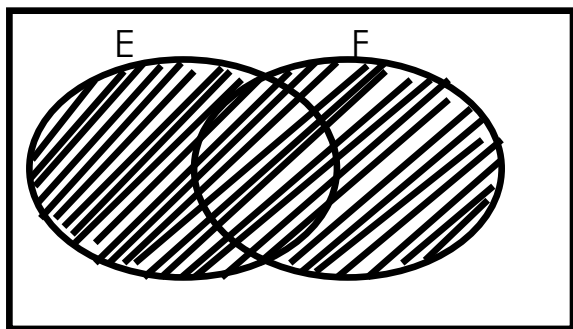
SECTION A (40 MARKS)

Question 1 to 20 carry two marks each.

1. Work out: $48 \div 4$.

2. Round off 0.984 to the nearest tenths.

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



4. Find the next number in the sequence below.
40, 36, 31, 25, _____

5. Simplify: $(2m + n) - (m - n)$.

6. Multiply: 4.06×0.2

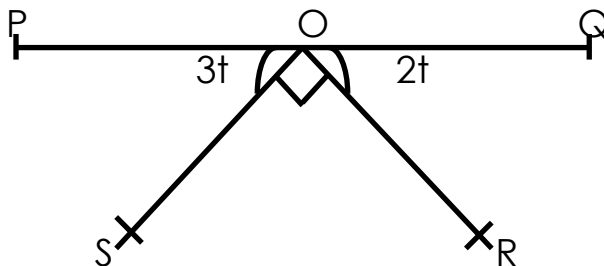
7. Find the smallest number of hoes that can be shared by 12 farmers or 18 farmers leaving a remainder of 3 hoes.

8. What must be added to 1101_{two} to get 11110_{two} ?

9. Julian walked from home to school, a distance of 6km in only 40 minutes. Calculate her average speed in kilometers per hour.

10. A bag contains 24 marbles. If 16 of them are red and the rest are blue, find the probability of picking a blue marble from the bag at random.

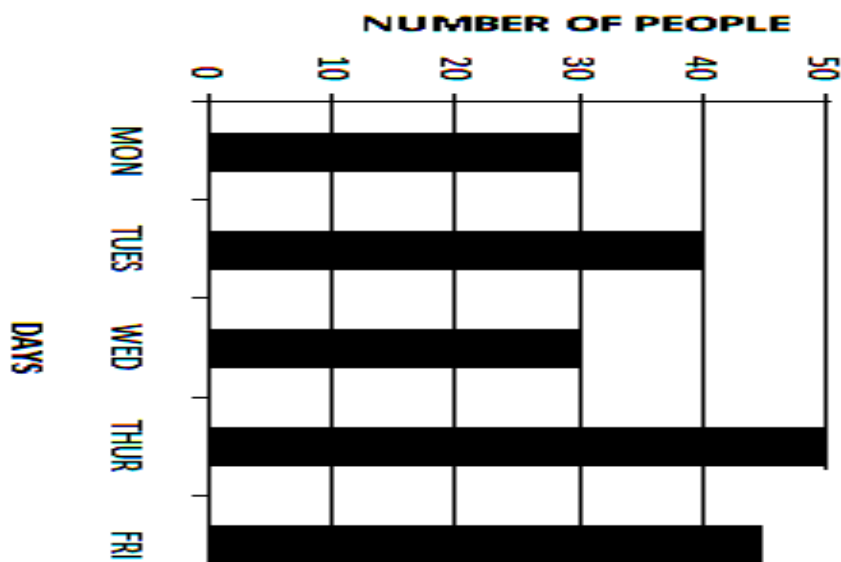
11. In the figure below, POQ is a straight line. Calculate the value of t in degrees.



12. A printing machine prints 12 pages per minute. How long it take to print 600 pages?

13. Given that: $K = \{5, 6, 8\}$. Find the number of subsets in set K.

14. The bar graph below shows the number of people who registered for national identity cards at Katerara Parish during a certain week.



How many people registered on Friday?

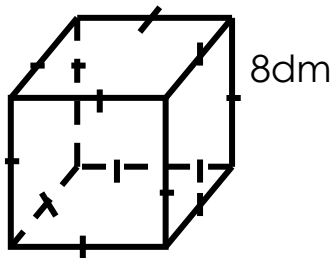
15. Express 569.8 in scientific notation.

16. Jim spent 55% of his monthly salary and saved Shs.108,000. Calculate his monthly salary.

17. The area of a flower garden is $6\frac{1}{4}\text{m}^2$. Work out the total distance round the garden.

18. The size of each interior angle of a regular polygon is 135° . How many sides have the polygon?

19. Work out the volume of the prism below.

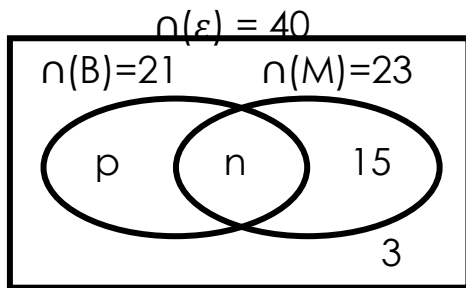


20. Solve for K: $\frac{3}{4}k = 9$

SECTION B (60 MARKS)

21. The Venn diagram below shows the number of farmers who grow beans (B) or Maize (M) in a team of 40 farmers. Study the Venn diagram and answer questions that follow.

a) Find the value of n . (2mks)



b) How many farmers grow beans only? (2mks)

c) Work out the number of farmers who do not grow any of the above crops. (2mks)

22. A school bursar issued receipts numbered consecutively from 008694 to 008723.

a) How many receipts did the bursar issue? (2mks)

b) If each receipt costs Shs.83500, how much money was collected by the school bursar? (2mks)

23. The sum of three consecutive even numbers is 54.

a) Find the numbers.

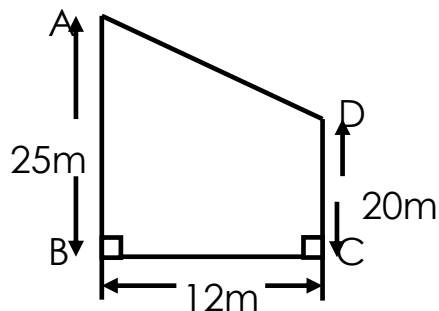
(4mks)

b) Work out the range of the numbers.

(1mk)

24. The average age of 5 girls is 12 years. One girl who is 6 years old joined the group. Calculate the average age of the six girls. (4mks)

25. The figure below shows a plot of land.



a) Calculate the total distance round the plot. (4mks)

b) If the plot of land is to be fenced with barbed wire wound five times, calculate the total length of wire needed. (1mk)

26. The ratio of boys to girls in a P.7 class at ABC primary school is 3:5 respectively. If there are 18 more girls than boys,

a) Find the total number of pupils in the class. (4mks)

b) If 20% of the girls are prefects, how many female prefects are in the class? (2mks)

27(a) A book costs five times as much as a pen. If their total cost is Shs.5000, how much would Samuel pay for 3 such pens? (3mks)

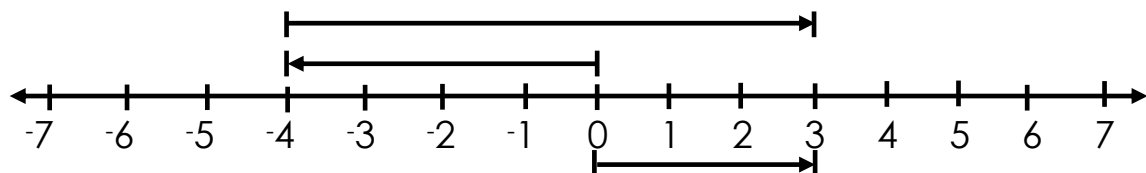
b) Solve and write down the solution set for: $5y - (9 + 3y) \leq 3$ (3mks)

28(a) With the help of a ruler, a pencil and a pair of compasses only, construct a rhombus EFGH where angle $EFG = 120^\circ$ and length $FG = 5\text{cm}$.
(4mks)

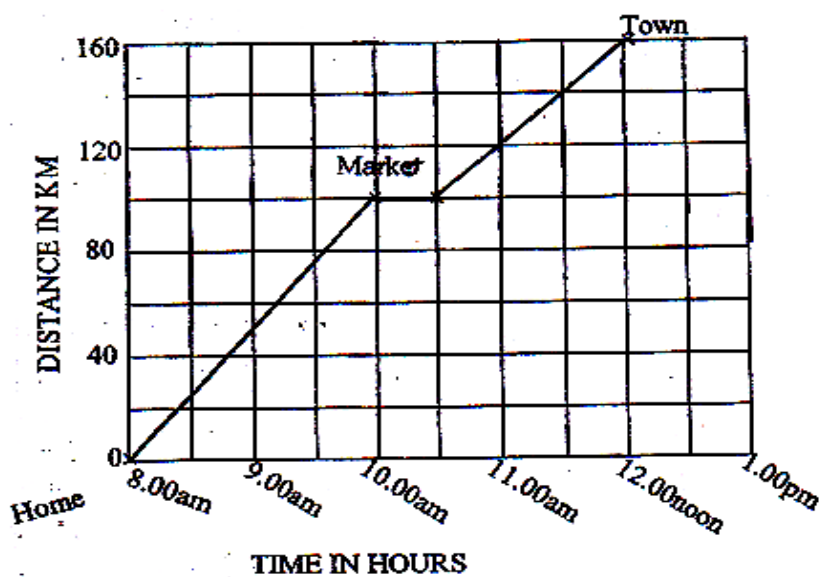
b) Measure the length of diagonal EG. (1mk)

29(a) Today is Wednesday, what day of the week will it be 58 days from now? (3mks)

b) Write down the mathematical statement represented on the number line below. (2mks)



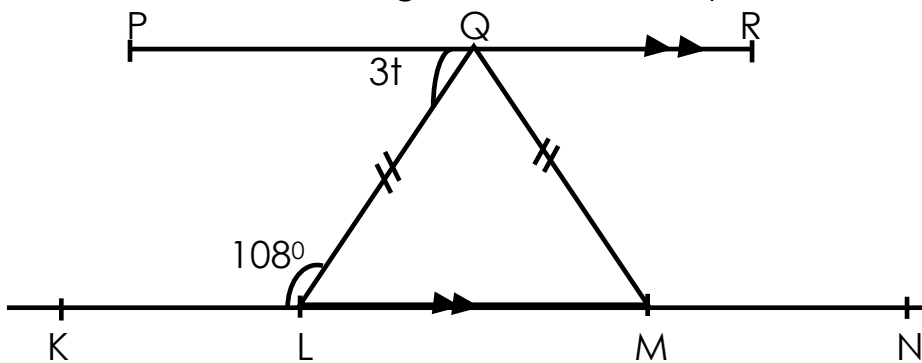
30. The travel graph below shows a motorist's journey from home to town via the market.



- a) At what time did the motorist reach the market? (1mk)
- b) How far is the town from the market? (1mk)
- c) For how long did the motorist rest at the market? (1mk)
- d) Work out his average speed for the whole journey. (2mks)

31. The area of a rectangular carpet which measures 28cm by 22cm is equal to the area of a circular pan. Calculate the circumference of the circular pan. (Take π as $\frac{22}{7}$) (5mks)

32. In the diagram below, PQ is parallel to KN and LQ = QM. Study it carefully and use the information given to answer questions that follow.



a) Find the value of t in degrees. (2mks)

b) Work out the size of angle MQL. (2mks)

*****GOD BLESS*****