SECTION A (40marks)
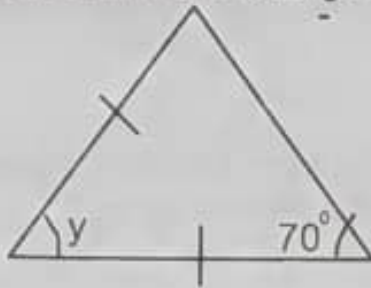
Answer all questions in this section
Questions 1 to 20 carry two marks each

1. Workout: 524 - 64

2. Write 3,407 in words.

3. Write LXIV in Hindu-Arabic numerals.

4. Simplify: 8m + 6 - 3m + 14

5. Find the G.C.F of 24 and 32

6. If set M = {1,3,5,7,9} and set N = {2,3,5,7,11}. Find the n(MnN)

7. Given that a = 2, b = 4, c = 3. Find the value of b - ac

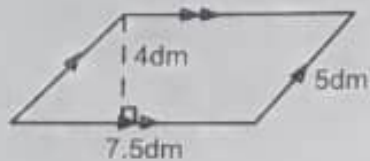8. Calculate the size of the angle marked with letter y in degrees.

9. Juma covered $\frac{2}{3}$ of the journey. If he was left with 45km. Find the length of the whole journey.

10. Workout: 4 + 2 = _____ (finite5) using a dial

11. Opio deposited sh.150,000 in a bank which offers a simple interest rate of 5% per annum. Calculate the simple interest he earned after 2years.

12. Calculate the area of the figure below.

4dm
5dm
7.5dm

13. Find the next number in the sequence below.

$$23, 17, 12, 8, \underline{\hspace{2cm}}$$

14. A bus carries 62 passengers per trip moving from Mbale to Kampala. How many passengers will the bus carry if it makes 9trips?

15. An examination which lasted for $2\frac{1}{2}$ hours ended at 11:15am. At what time did it start?

16. Using a ruler, a pencil and a pair of compasses only, construct an angle of 30^0

17. Workout: $1\frac{2}{3} \div \frac{1}{4}$

18. The exchange rate for Kenyan shillings to Uganda shillings is
    K.sh.1 = Ug.sh.35. How many Kenya shillings can a business man
    from Uganda get from Ug.sh.105,000

19. Jane sold the following number of eggs in a week, 55, 45, 60, 75, 55
    and 30. Find the median.

20. Subtract: ⁻4 from ⁻6

SECTION B (60marks)
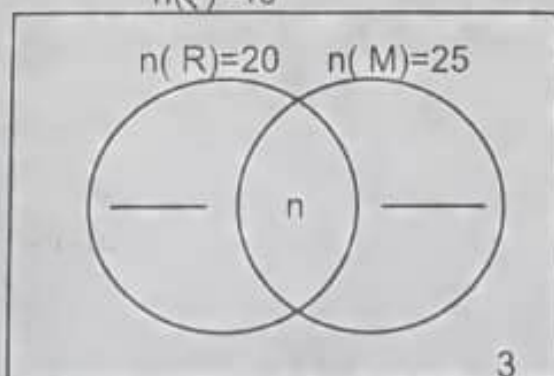Answer all questions in this section
Marks for each question are indicated in the brackets

21. In a class of 40 pupils, 20 pupils eat Rice(R), 25 eat Matooke (M)
    and n eat both rice and matooke. If 3 pupils do not eat any of the two
    types of food.
a) Complete the venn diagram below using the above information

n(ξ)=40   (2marks)

⑤

b. Find the value of n   (2marks)

c. What is the probability of picking at random a pupil who likes only
   one type of food?   (1mark)

22. Given the number 5204. Use it to answer the questions that follow.
   a. Show the above number on the abacus.   (1mark)

b. Express the above number in Scientific notation   (1mark)

c. Find the difference of the value 0f 5 and the value of 2 in the above
   numbers.   (3marks)

23. On a mixed farm, $\frac{1}{3}$ of the land is used for growing food crops while
   $\frac{1}{4}$ of the remaining land if fo cash crops. The rest of the 16 hectares
   of land is used for cattle grazing.
   a. What fraction of land is for cattle grazing?   (3marsk)

b. What is the total area of the farm?   (2marks)

24. The table below shows the arrival and departure time of a bus that travels from Mbale to Kampala daily.

Town	Arrival time	Departure time
Mbale		7:30am
Iganga	8:10am	8:30am
Jinja	9:30am	9:45am
Mukono	10:15am	10:40am
Kampala	11:40am	

a. At what time does the bus leave Mbale?   (1mark)

b. How long does the bus stay in Jinja?   (1mark)

c. How long does the bus take to travel from Jinja to Mukono? (2marks)

26. Ssuuna is 20 years older than his twins. In ten years' time, their total
    age will be 74years. How old is Ssuuna now?   (5marks)

27. The mean of the number 7,9,5,y+2, and 6 is 8.
    a. Find the value of y.   (3marks)

    b. Find the range   (1mark)

28. Kato went to the market and bought the following items
       3kg of meat at sh.8000 per kg
       1 kg of onions at sh.1500 per kg
       A bunch of matooke at sh.12000
       500g of salt at sh.1200 per kg
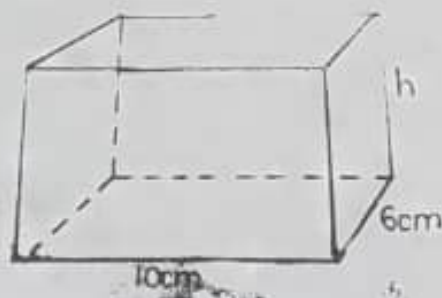   a. Calculate his total expenditure.   (4marks)

b. If he was given a discount of 10%, how much money did he pay?

(1mark)

29a) Using a ruler, a pencil and a pair of compasses only. Construct a Triangle XYZ where XY=8cm, angle YXZ=90° and angle XYZ=30°

(4marks)

b. Measure the lenght XZ

(1mark)

30. The figure below is a cuboid whose volume is 420cm³. Study it carefully and answer the questions that follow

a. Find the value of h   (2marks)

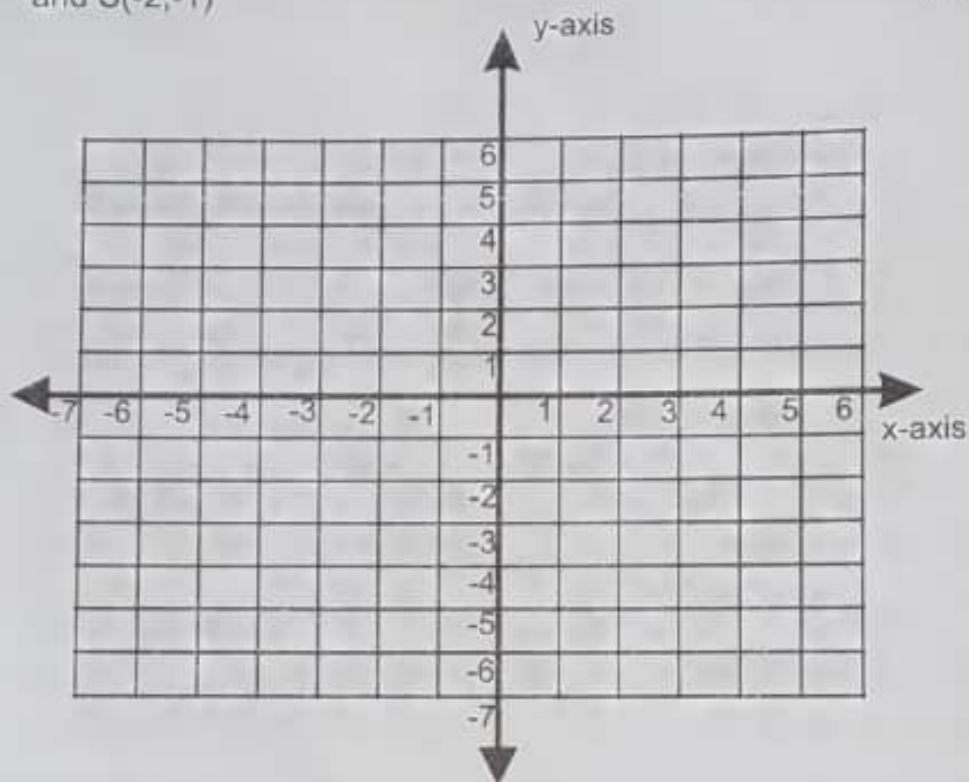b. Calculate the total surface area of the figure above.   (2marks)

31a. Solve for x: 2x + 3 = 18 - x   (2marks)

b. Solve and write the solution set for 2(1-3x)>14   (3marks)

32a). On the grid below plot the points, P(-2,+3), Q(+5,+3), R(+2,-1)
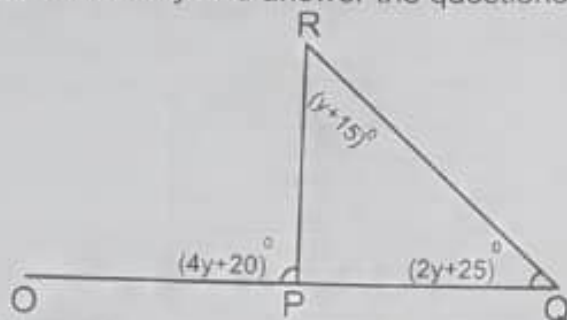and S(-2,-1)   (4marks)

y-axis

b) Join the points and find the area of the figure formed.   (2marks)

END

Wishing you success

d. Find the total time taken by the bus to travel from Mbale to Kampala.
(2marks)

25. In the diagram below, PQR is a triangle and OPQ is a straight line. Study it carefully and answer the questions that follow.

a. Find the value of y (3marks)

b. Find the size of angle RPQ (2marks)

LWENGO DISTRICT ACADEMIC BOARD
PRIMARY LEAVING MOCK 2024
MATHEMATICS
DURATION: 2 HOURS 30 MINUTES

CANDIDATE'S NAME: _____

CANDIDATE'S SIGNATURE: _____

INSTRUCTIONS
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. The paper has two Sections A and B

2. All workings for both sections A and B must be shown in the spaces provided.

3. Section **A** has **20** short questions **(40 marks)**

4. Section **B** has **12** questions **(60 marks)**

5. All working must be done using a blue or ball point pen or ink

6. Diagrams should be drawn in pencils

7. No calculator are allowed in the examination room

8. Unnecessary alteration of work may lead to loss of mark

9. Any hand writing that cannot easily be read may lead to loss of marks

10. Do not fill in the boxes indicated;
    "FOR EXAMINER' USE ONLY"

FOR EXAMINERS USE ONLY

QN. NO.	MARKS SCORED	INITIAL
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Lwengo District Academic Board (Mock Examinations 2024)