

ITEM EIGHT

PRIMARY SEVEN – MATHEMATICS

Name :..... Index No.....

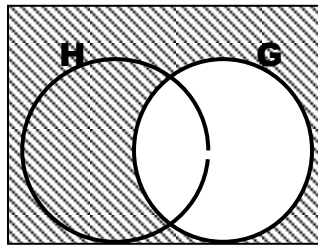
SECTION A (40 MARKS)

1. Workout:

$$\begin{array}{r} 4 \quad 3 \quad 2 \\ \times \quad \quad 3 \\ \hline \end{array}$$

2. Write XLIV in words.



3. Describe the shaded region.



4. Add: -8 to -4

5. Construct an angle of 75° in the space provided below.

6. Simplify: $1\frac{1}{2} + 3\frac{1}{4}$

7. If  represents 5 eggs and each egg costs shs. 500. How much did John pay for  eggs?

8. The average age of 5 girls is 11 years, when another girl joins them their average becomes 10 years. How old is the sixth girl?

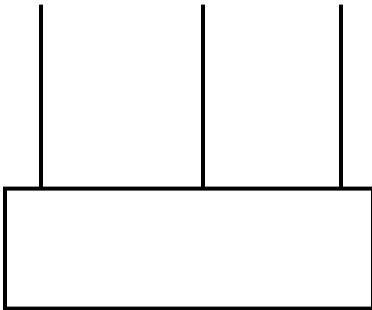
9. Subtract : $2x + 4$ from $2(4x - 1)$

10. Given that the exchange rate of $1\text{USD} = \text{Ugshs}, 2950$. How much Uganda shillings can a trader get if he goes to the bank with 125 Us Dollars

11. Find the Range of the next two numbers in the sequence.

1, 3, 6, 10, 15, _____, _____

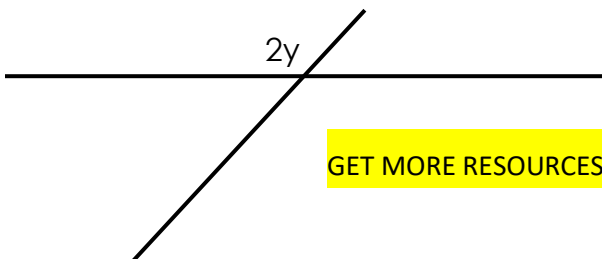
12. Show 402 on the abacus below and write it in roman numerals.



13. If today is Friday, what day of the week will it be after 46 days?

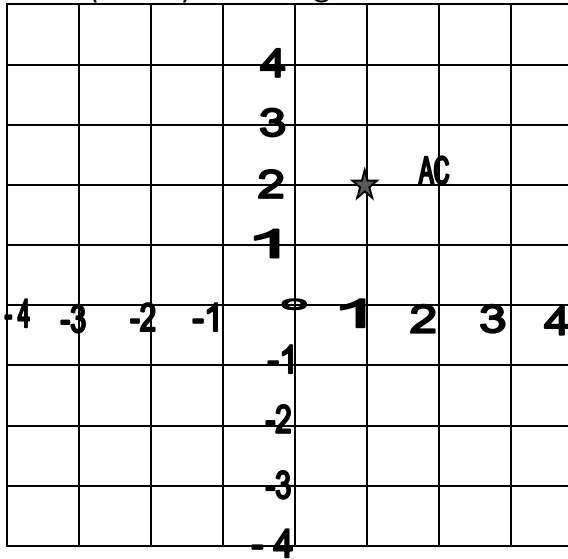
14. Solve for x: $\frac{12}{x} + 3 = 5$.

15. Find the value of the marked angle y in degrees.





16. a) Show B (0, -4) on the grid below

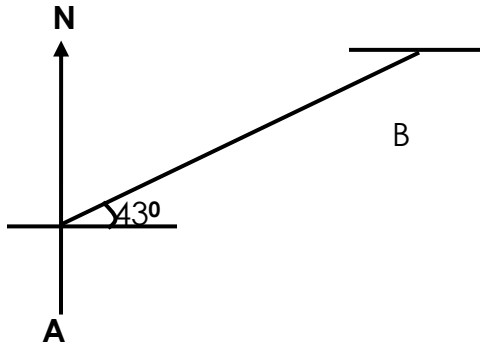


b) Write the coordinates represented by A.

17. Solve for x: $3^{2x} \times 3 = 27$.

18. Use the figure below to determine the bearing of A from B.





19. Express 21615kg to tonnes.

20. An athlete covered 100m in 5 seconds. Express his speed in km/hr.

SECTION B (60 MARKS)

21. Tracy spent 40% of her money on rent, $\frac{1}{5}$ of the remainder on Food and saved the rest.

a) What fraction did she save? (3 marks)

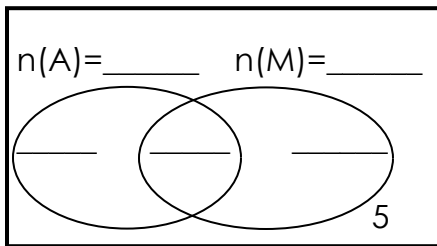
b) If she was left with shs.170,000. How much did she have at first? (2marks)

22. In a class of 5x pupils, 10 like both Matooke and Apples, 20 like only Apples and 40 like Matooke, yet 5 like neither Matooke nor Apples.

a) Complete the venn diagram below

(3 marks)

$n(\Sigma) = \underline{\hspace{2cm}}$



b) How many pupils are in that class?

(2marks)

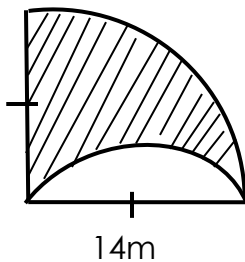
23. Using a pair of compasses, a ruler and a well sharpened pencil only, construct triangle PQR where $PQ = 6\text{cm}$, angle $PQR = 45^\circ$, angle $QRP = 75^\circ$. Drop a perpendicular line from R to meet PQ at x. (5marks)

b) Find the area of the triangle.

(1 mark)

24. Find the area of the shaded part

(4 marks)



25. A trader went for shopping and bought the following items.

- 4kgs of beef at sh. 24000.
- $1\frac{1}{2}$ kgs of rice at sh. 4000 per kg.
- 3 bunches of Matooke at sh. 36000.

a) What is the cost of 1kg of beef?

(1 mark)

b) How much did he pay for 1kg of beef and 1 bunch of matooke altogether? (2mks)

c) If he was given a 10% discount, how much did he pay for all the items? (3marks)

26. Solve for the value of m.

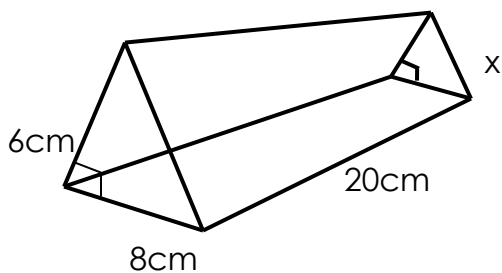
i) $m - 3 = 2 \pmod{5}$

(2marks)

ii) $2m + 4 = 2 \pmod{6}$

(2marks)

27. Below is a geometric figure. Study it carefully and answer the questions that follow:-



a) Name the figure drawn _____

b) Find the value of x?

c) Calculate the total surface area of the figure.

28. a) Increase sh. 4000 by $12\frac{1}{2}\%$.

(2marks)

b) Decrease shs. 9000 by 30%.

(2marks)

29. A rectangular tank measures 80cm by 100cm by 150cm. How many litres does it hold?
(4marks)

30. Below is a bus time table from Mbarara to Kampala, study it carefully and answer the questions that follow.

Town	Arrival	Departure time
Mbarara		8:45hrs
Lyantonde	9:30hrs	9:35hrs
Masaka	10:00hrs	10:15hrs
Lukaya	10:45hrs	10:55hrs
Kampala	12:15hrs	

a) Express the arrival time at Kampala in 12 hour clock. (1mark)

b) How long did the bus take to travel from Mbarara to Masaka? (2mks)

c) If the distance between Mbarara and Kampala is 256km, Calculate the average speed of the bus for the time it spent while travelling. (2marks)

31. a) Simplify : $\frac{1}{3}$ of $1\frac{1}{3} \times 1\frac{1}{3}$ (3marks)

b) $\frac{0.36 \times 0.14}{0.07 \times 1.2}$ (3marks)

32. Solve for P

i) $3 - 2(P - 3) + 3 = 6$ (2marks)

ii) If $144_{\text{Five}} = X^2$, What is the value of x? (2marks)

END