

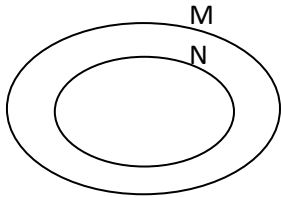


CREAMHILL SCHOOLS – MULAGO

MATH P.6

1. Work out :
$$\begin{array}{r} 54 \\ + 32 \\ \hline \\ \hline \end{array}$$

2. Shade the region M – N in the venn diagram below.



3. Expand 3946 using powers of base ten.

4. Work out the supplement of 33°

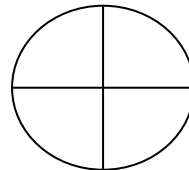
5. Work out: $+3 + -6$ using a numberline.

6. Find the next number in the sequence below.

2, 3, 5, 8, _____

7. Collect like terms and simplify.
 $5x - 3y - 2x + 7y$

Shade $\frac{1}{2}$ of



8. Find the H.C.F of 9 and 12.

9. Express 36 in Roman numerals

15. Construct an angle of 60° in the space below using a pair of compasses and ruler only.

10. Work out: $2 + 3 = \underline{\hspace{2cm}}$ (mod 5)

11. Round off 429 to the nearest tens.

16. A dozen of books costs shs. 4800. Find the cost of one book.

12. Convert 42_{five} to base ten.

13. The time on a clock is 2:40p.m. Express this time in the 24 hour clock system.

17. Calculate the distance Natasha covered if she drove her Ipsum at a speed of 85km/hr for 3 hours.

14. Represent 4307 on the abacus below.

Th H T O



18. Given that $A = \{ a, b, c, d, e \}$ find the number of subsets in set A .

19. Calculate the radius of a circle whose diameter is 10cm.

SECTION B - 12 QUESTIONS (60 MARKS)

20. Work out.

a) Multiply: 4 5

(2 marks)

$$\begin{array}{r} \times 3 \\ \hline \hline \end{array}$$

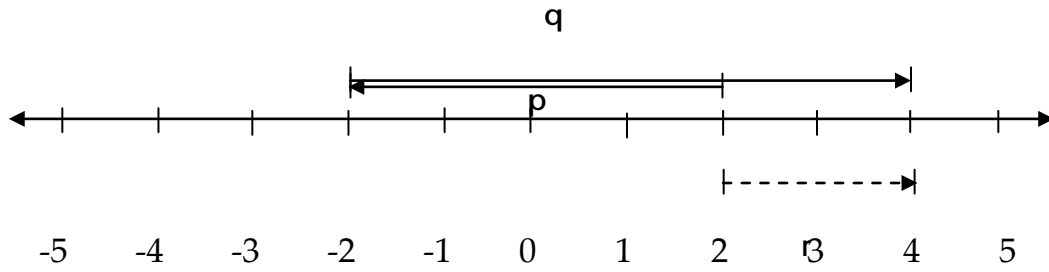
b) Subtract: 8 0 3

(1 mark)

$$\begin{array}{r} \\ - 5 4 \\ \hline \hline \end{array}$$

c) Divide $4 \overline{)1684}$

21. Study the number line below and answer questions that follow.



a) List down the integer represented by each of these letters:-
(1 mark @)

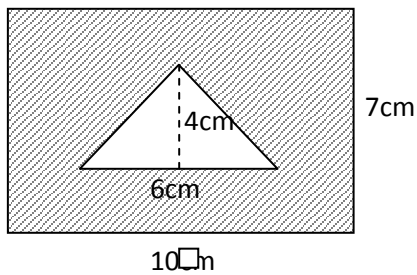
i) p

ii) q

iii) r

b) Write down the Mathematical sentence represented on the numberline above. (1 mark)

22. Using the figure below,



a) Work out;

i) the area of the rectangle.

(2 marks)

ii) the area of the triangle.

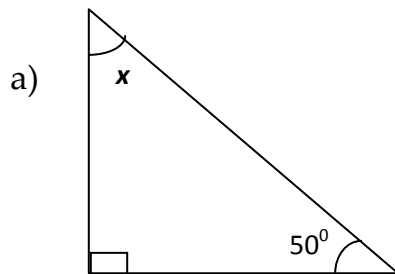
(2 marks)

b) Find the area of the shaded part.

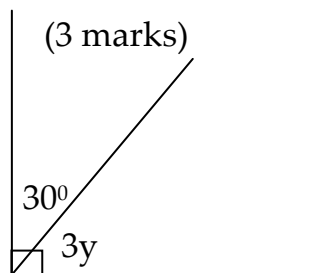
(2 marks)

23. a) Work out the value of the unknown in each of these figures.

(3 marks)



b) Work out the values of y in degrees.



24. a) What number has been expanded to give

$$4000 + 700 + 20 + 9?$$

(2 marks)

b) What is the place value of 5 in 96.25?

(1 mark)

c) Write 29.6 in words.

(1 mark)

25. Given that $a = 5$ and $b = 2$. Find the value of

a) $3a - b$

(2 marks)

b) Solve for x if: $3x - 12 = 0$

(2 marks)

26. Omilo went shopping and bought these items.

2kg of sugar at shs. 3000 per kg

3 bars of soap at shs. 1500 a bar.

5 packets of sweets at shs. 500 each packet.

a) How much money did he spend altogether?

(4 marks)

b) If he had gone with a twenty thousand shilling note, how much change did he get?

27. a) Simplify : $\frac{1}{2} + \frac{1}{3}$
(2 marks)

b) Arrange these fractions in ascending order.
(2 marks)

$$\frac{1}{2}, \frac{1}{3}, \frac{1}{6} \text{ and } \frac{1}{4}$$

28. Ronald scored these marks in his weekly tests.

Sst	Eng	Scie	Maths	Art
75	80	75	90	40

a) What was his modal mark?
(1 mark)

b) Work out the range of his scores.
(2 marks)

- c) Calculate his average mark.
(2 marks)

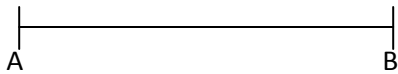
29. a) If today is Friday, what day of the week will it be after 14 days?
(2 marks)

- b) Change $1\frac{1}{2}$ hours to minutes.
(2 marks)

- c) A maths exam which lasted for 2 hours and 30 minutes began at 9:15 a.m.
At what time did it end?
(2 marks)

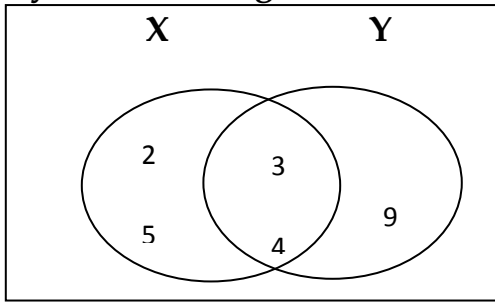
30. Using a ruler, a sharp pencil and a pair of compasses only,
(i) Bisect the line segment AB below.

(1 mark)



- (ii) Construct an equilateral triangle PQR of side 6cm.
(3 marks)

31. Study the venn diagram below and answer the question that follow.



a) List down elements of set

i) $X \cap Y$

(1 mark)

ii) $Y - X$

(1 mark)

iii) X

(1 mark)

iv) Complement of set Y.

(1 mark)

v) $n(X \cup Y)$