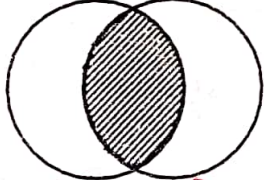

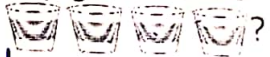
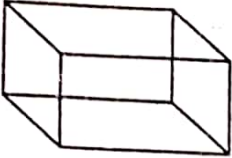
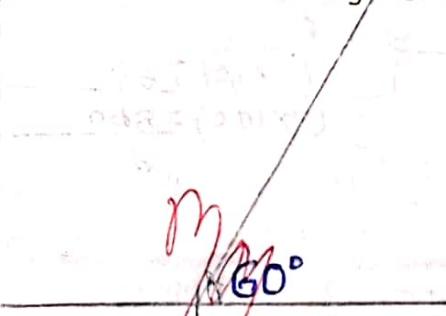
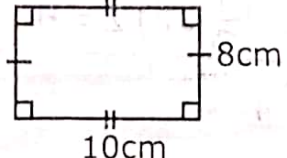


SECTION A (40 Marks)

<p>1 Subtract:</p> $\begin{array}{r} 3 \quad 6 \\ - 2 \quad 3 \\ \hline 1 \quad 3 \end{array}$ <p>$6-3=3$ $3-2=1$</p>	<p>2 Describe the shaded region on the Venn diagram.</p>  <p>$A \cap B$</p>
<p>3 Find the next number in the sequence.</p> <p>1, 4, 7, 10, 13</p> <p>$+3 \quad +3 \quad +3 \quad +3$</p>	<p>4 Sarah bought 3 watermelons at Sh.12,000. How much did she pay for each watermelon?</p> <p>$\text{Sh. } 12,000$</p> <p>$\frac{12,000}{3} = 4,000$</p> <p>! She paid sh. 4000 for each watermelon</p>
<p>5 Express 5600cm to metres.</p> <p>$100\text{cm} = 1\text{m}$</p> <p>$5600\text{cm} = \left(\frac{5600}{100}\right)\text{m}$</p> <p>$= 56\text{m}$</p>	<p>6 Add: $\frac{7}{9} + \frac{3}{9}$</p> <p>$\frac{7}{9} + \frac{3}{9} = \frac{7+3}{9} = \frac{10}{9}$</p> <p>$\frac{10}{9} = 1\frac{1}{9}$</p>
<p>7 Fill in the missing number.</p> <p>$\boxed{7} + 5 = 12$</p> <p>$0+5=12$ $1+5=12-5$ $0=12-5$ $0=7$</p>	<p>8 Given the digits 8, 1, 6. Write the largest numeral that can be formed from the digits above.</p> <p>861</p>
<p>9 Write $\frac{3}{5}$ in words.</p> <p>Three fifths</p>	<p>10 Given that  represents 10 glasses. How many glasses are represented by .</p> <p>1 picto = 10 glasses 4 pictoes = (4×10) glasses $= 40$ glasses 4 pictoes = 40 glasses.</p>

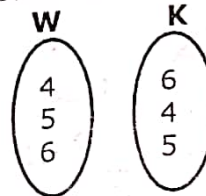
<p>11 Name the shape below.</p>  <p><u>Cuboid</u></p>	<p>12 Find the Lowest Common Multiple of 6 and 7.</p> <p> $1 \times 6 = 6$ $1 \times 7 = 7$ $2 \times 6 = 12$ $2 \times 7 = 14$ $3 \times 6 = 18$ $3 \times 7 = 21$ $4 \times 6 = 24$ $4 \times 7 = 28$ $5 \times 6 = 30$ $5 \times 7 = 35$ $6 \times 6 = 36$ $6 \times 7 = 42$ </p> <p>The L.C.M of 6 and 7 is <u>42</u></p>
<p>13 How many minutes make $1\frac{1}{2}$ hours?</p> <p> $1 \text{ hour} = 60 \text{ min}$ $1\frac{1}{2} \text{ hour} = (3 \times 60) \text{ min}$ $1\frac{1}{2} \text{ hour} = (3 \times 30) \text{ min}$ $1\frac{1}{2} \text{ hour} = 90 \text{ minutes}$ </p>	<p>14 Divide 26 by 2.</p> <p> $\begin{array}{r} 13 \\ 2 \overline{) 26} \\ \underline{2} \\ 0 \end{array}$ </p> <p> $1 \times 2 = 2$ $3 \times 2 = 6$ </p> <p> $2 \div 2 = 1$ $6 \div 2 = 3$ </p>
<p>15 Najjemba has 2 notes of two thousand shillings and a coin of five hundred shillings. How much does she have altogether?</p> <p> $\begin{array}{r} \text{sh } 2000 \\ + \text{sh } 2000 \\ + \text{sh } 500 \\ \hline \text{sh } 4500 \end{array}$ </p> <p><u>Najjemba has sh. 4500</u></p>	<p>16 Using a ruler, a pencil and a protractor draw an angle of 60°.</p> 
<p>17 Express 26 into Roman numerals.</p> <p> $26 = 20 + 6$ $\downarrow \quad \downarrow$ $XX \quad VI$ $26 = XXVI$ </p>	<p>18 Workout the total distance round the figure below.</p>  <p> $D = 10 \text{ cm} + 8 \text{ cm} + 10 \text{ cm} + 8 \text{ cm}$ $= 18 \text{ cm} + 18 \text{ cm}$ $D = 36 \text{ cm}$ </p>



- 19 Change 3 years to months.
 $1 \text{ year} = 12 \text{ months}$
 $3 \text{ years} = (3 \times 12) \text{ months}$
 $= 36 \text{ months}$
 $3 \text{ years} = 36 \text{ months}$

20

Below are two sets.



What is the relationship between the two sets?

Equal sets

SECTION B (60 marks)

- 21 a) Find the value of 8 and the value of 2 in the number **6826**.

T	H	T	O
6	8	2	6

$(2 \times 10) = 20$
 $(8 \times 100) = 800$

(03 marks)

- b) Round off **826** to the nearest tens.

H	T	O
8	2	6

$8 \quad 3 \quad 0$ $826 \approx 830$

(02 marks)

- 22 a) What is $\frac{1}{3}$ of 12 books?

$\frac{1}{3} \times 12$
 $= \frac{12}{3}$
 $= 4$ $\frac{1}{3} \text{ of } 12 = 4$

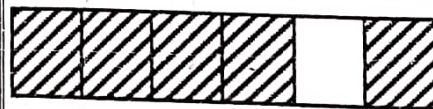
(02 marks)

- b) Subtract: $\frac{4}{7} - \frac{2}{7}$

$\frac{4}{7} - \frac{2}{7} = \frac{4-2}{7}$
 $= \frac{2}{7}$

(02 marks)

- c) What fraction is unshaded on the diagram?

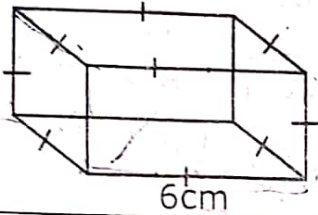


$\frac{1}{6}$

(01 mark)



- 23 Below is a cube. Use it to answer questions that follow.



- a) Write the number of;

i) Vertices

8

ii) Edges

12

iii) Faces

6

(01 mark each)

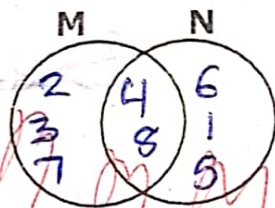
- b) Find the volume of the shape above.

$$V = s \times s \times s \\ = 6\text{cm} \times 6\text{cm} \times 6\text{cm} \\ = 36\text{cm}^2 \times 6\text{cm} \\ = 216\text{cm}^3$$

(02 marks)

- 24 a) Given that set $M = \{2, 3, 4, 7, 8\}$ and $N = \{6, 1, 4, 5, 8\}$.

Show the sets on the Venn diagram.



(03 marks)

- b) Find $n(M \cup N)$.

$$n(M \cup N) = \{2, 3, 7, 4, 8, 6, 1, 5\} \\ n(M \cup N) = 7 \text{ elements.}$$

(02 marks)

- 25 Use the price list below to answer the questions.

ITEM	UNIT PRICE
A pen	Sh 700
A book	Sh 2500
A ruler	Sh 1000
A set	Sh 5000

- a) Write the cheapest item in words.

A pen Shillings Seven hundred.

(01 mark)

- b) How much will Peter pay for 2 books at the same rate?

$$\begin{array}{r} \text{sh. } 2500 \\ \times 2 \\ \hline \end{array}$$

$$\text{sh. } 5000$$

Peter would pay sh. 5000 for 2 books.

(02 marks)

- c) How much will one pay for a pen, a set and 2 rulers altogether?

$$\begin{array}{r} \text{sh. } 700 \text{ a pen} \\ \text{sh. } 5000 \text{ a set} \\ \text{sh. } 2000 \text{ 2 rulers} \\ \hline \text{sh. } 7700 \end{array}$$

(02 marks)

- 26 a) The container was $\frac{7}{10}$ full of milk. If $\frac{2}{10}$ of the milk was sold. What fraction of milk was left?

$$\frac{7}{10} - \frac{2}{10} = \frac{7-2}{10}$$

$$= \frac{5}{10}$$

$\frac{5}{10}$ of milk was left.

(02 marks)

- b) Write $3\frac{2}{5}$ as an improper fraction.

$$(D \times W) + N$$

$$\begin{array}{r} \frac{D}{5} \\ (5 \times 3) + 2 \\ \hline = \frac{15+2}{5} \\ = \frac{17}{5} \end{array}$$

(02 marks)

- c) Workout: $\frac{2}{3} = \frac{6}{9}$

$$\begin{array}{l} \frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6} \\ \frac{2}{3} = \frac{2 \times 3}{3 \times 3} = \frac{6}{9} \\ \frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12} \\ \frac{2}{3} = \frac{2 \times 5}{3 \times 5} = \frac{10}{15} \\ \frac{2}{3} = \frac{2 \times 6}{3 \times 6} = \frac{12}{18} \\ \frac{2}{3} = \frac{2 \times 7}{3 \times 7} = \frac{14}{21} \\ \frac{2}{3} = \frac{2 \times 8}{3 \times 8} = \frac{16}{24} \\ \frac{2}{3} = \frac{2 \times 9}{3 \times 9} = \frac{18}{27} \\ \frac{2}{3} = \frac{2 \times 10}{3 \times 10} = \frac{20}{30} \\ \frac{2}{3} = \frac{2 \times 11}{3 \times 11} = \frac{22}{33} \\ \frac{2}{3} = \frac{2 \times 12}{3 \times 12} = \frac{24}{36} \\ \frac{2}{3} = \frac{2 \times 13}{3 \times 13} = \frac{26}{39} \\ \frac{2}{3} = \frac{2 \times 14}{3 \times 14} = \frac{28}{42} \\ \frac{2}{3} = \frac{2 \times 15}{3 \times 15} = \frac{30}{45} \\ \frac{2}{3} = \frac{2 \times 16}{3 \times 16} = \frac{32}{48} \\ \frac{2}{3} = \frac{2 \times 17}{3 \times 17} = \frac{34}{51} \\ \frac{2}{3} = \frac{2 \times 18}{3 \times 18} = \frac{36}{54} \\ \frac{2}{3} = \frac{2 \times 19}{3 \times 19} = \frac{38}{57} \\ \frac{2}{3} = \frac{2 \times 20}{3 \times 20} = \frac{40}{60} \end{array}$$

(01 mark)

- 27 a) Name the shapes.



cone

(01 mark)

- b)



cylinder

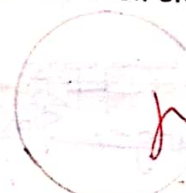
(01 mark)

- c) Draw a kite.



(02 marks)

- d) Draw a circle.



(02 marks)



28

Complete the table.

Days	7	28	35	49	63
Week	1	4	5	7	9

$$\frac{28}{7}$$

$$5 \times 7 = 35$$

$$\frac{49}{7}$$

$$9 \times 7 = 63$$

(04 marks)

29 Subtract 43 from 154

a)

$$\begin{array}{r} 154 \\ - 43 \\ \hline 111 \end{array}$$

$$154 - 43 = 111$$

(02 marks)

b) Add: 4 5 2 6

$$+ 1 5 3 2$$

$$\hline 6058$$

$$\begin{array}{l} 6+2=8 \\ 2+3=5 \\ 5+5=10 \\ 4+1+1=6 \end{array}$$

(02 marks)

c) Multiply: 4 3

$$\times 32$$

$$\begin{array}{r} 186 \\ + 129 \\ \hline 1376 \end{array}$$

(02 marks)

30 Fill in the missing numbers.

a)

$$\boxed{24} \div 6 = 4$$

$$\boxed{4} \times 6 = 24$$

$$\boxed{24} = 4 \times 6 \quad \boxed{24} \quad (02 \text{ marks})$$

b)

$$\boxed{28} \times 7 = 28$$

$$28 \div 7 = 4$$

$$28 \div 7 = 4$$

$$\boxed{4}$$

(02 marks)

c) 15 - $\boxed{5}$ = 10

$$15 - 5 = 10$$

$$15 - 10 = 5$$

(01 mark)

31 Study and complete the magic square.

magic sum
 $4+5+6=15$

$4+8=12$

$15-12=3$

$6+8=14$

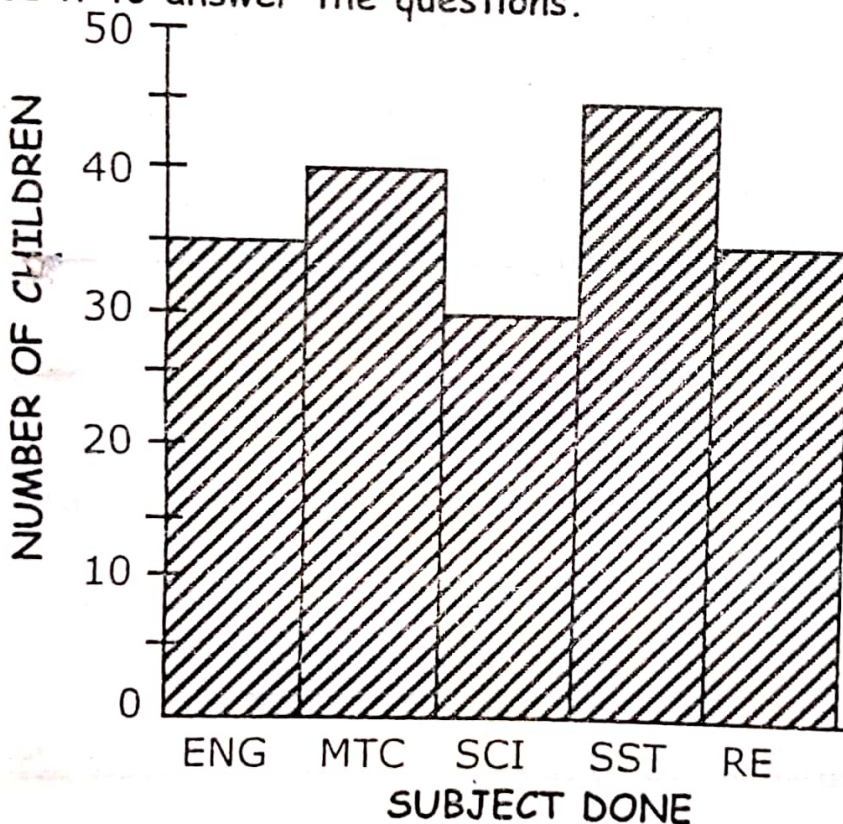
$15-14=1$

$7+6=13$ $15-13=2$

<u>2</u>	7	<u>6</u>
9	<u>5</u>	<u>1</u>
<u>4</u>	<u>3</u>	8

(04 marks)

32 The graph shows the pupils who passed their end of year examinations. Use it to answer the questions.



a) How many children passed mathematics?

40 children passed mathematics

(01 mark)

b) Which subject was passed by the same number of pupils?

ENG and R.E

English Religious Education

(01 mark)

c) Which subject was least passed?

Science was least passed

d)

How many pupils passed English, Mathematics and Religious Education altogether?

35 pupils + 40 pupils