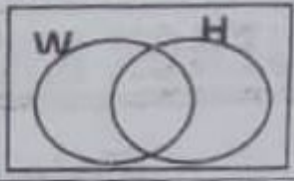
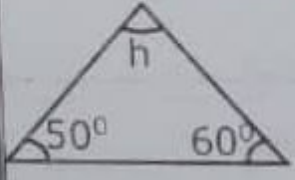


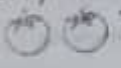
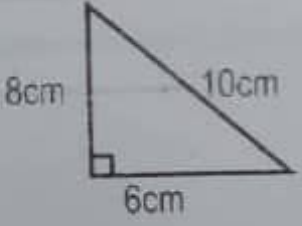
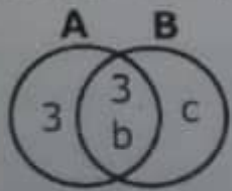
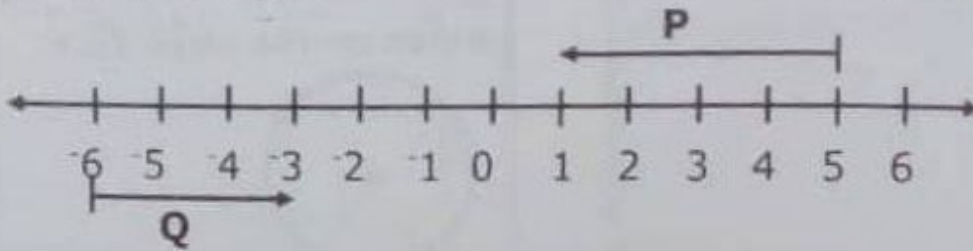


SECTION A (40 Marks)

1.	<p>Workout:</p> $\begin{array}{r} 21 \\ \times 4 \\ \hline \end{array}$	2.	<p>Shade set $W \cup H$ in the Venn diagram below.</p> 
3.	<p>Find the value of h in degrees.</p> 	4.	<p>Round off 4657 to the nearest hundreds.</p>
5.	<p>A bottle holds 15000ml of water. How many litres does it hold?</p>	6.	<p>Workout:</p> $\begin{array}{r} 4 \text{ } 0_{\text{five}} \\ + 1 \text{ } 2_{\text{five}} \\ \hline \end{array}$
7.	<p>The prime factors of a number are; $\{2_1, 2_2, 3_1 \text{ and } 5_1\}$. Find the number.</p>	8.	<p>If $a = 5$, $b = 4$ and $c = 2$, workout the value of $ca + b$.</p>
9.	<p>Simplify: $-5 - +4$</p>	10.	<p>Workout: $13.76 + 1.9$</p>

<p>11. Using a ruler, a pencil and a pair of compasses only construct an angle of 60°</p>	<p>12. Kato went for lunch at the time shown on the clock face.</p>  <p>What time was it?</p>
<p>13. Solve for g: $g + 7 = 15$</p>	<p>14. Given that  represents 20 tomatoes. How many tomatoes are represented by .</p>
<p>15. Joyce bought a hen at sh.25000 and sold it at sh.20,000. What percentage loss did she make?</p>	<p>16. Find the area of the triangle below.</p> 
<p>17. Decrease 4200kg in a ratio of 3:5.</p>	<p>18. Use the Venn diagram below to answer the questions.</p>  <p>How many subsets has set $(A \cap B)$?</p>

19. Name the integers for arrow P and Q on the number line below.



P = _____

Q = _____

20. Workout:

	Wk	Days
	4	5
+	1	6
<hr/>		

SECTION B (60 Marks)

21. Workout:

a)

4	3	0 _{five}
-	2	4 _{five}
<hr/>		

(02 marks)

- b) Change 14_{five} to decimal base.

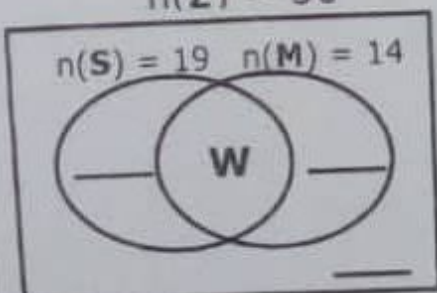
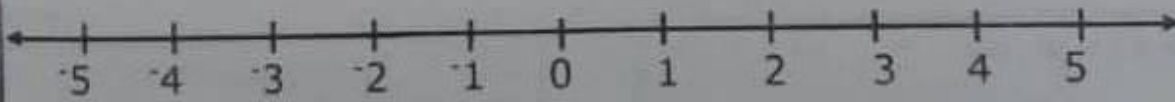
(02 marks)

22. Simplify: $5 + 20 \div 4$

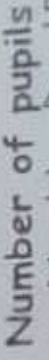
a)

- b) Workout:

$$6 \overline{)2436}$$

23.	<p>In a class of 30 pupils, 14 like maths (M), 19 like science (S), 3 pupils like none of the subjects while W like both subjects.</p> <p>a) Complete the Venn diagram.</p> <div style="text-align: center;"> $n(\Sigma) = 30$  $n(S) = 19$ $n(M) = 14$ </div> <p style="text-align: right;">(03 marks)</p>
24.	<p>Cathy, Oliva and Tonny shared sh. 360,000 in the ratio of 2:4:3 respectively.</p> <p>a) How much did each get?</p> <p>b) Express the share of Oliva as a fraction.</p> <p style="text-align: right;">(02 marks)</p>
25.	<p>Workout $+4 + -6$ using a number line.</p> <p>a)</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(03 marks)</p>
26.	<p>Below are prime factors of X and Y as shown below.</p> <p>$F_x = \{2_1, 2_2, 3_1\}$ $F_y = \{2_1, 3_1, 5_1\}$</p> <p>a) Find $F_x \cap F_y$.</p> <p style="text-align: right;">(01 mark)</p>

9.



1

(01 mark)

10

c)

Calculate the average attendance of the pupils in class.

(02 marks)

(03 marks)

30

(E)

b)

Calculate the distance he travelled.

31. Below is a shopping table. use it to answer the question.
a) Complete the table.

Items	Unit cost	Amount
2kg of rice	Sh. 4000	Sh. _____
_____ packets of salt	Sh. 2000	Sh. 6000
1½kg of sugar	Sh. _____	Sh. 6000
Total	Cost	Sh. _____

(04 marks)

- b) If Sarah had sh. 20,000, calculate her change.

(02 marks)

32. With the help of a ruler and a pair of compasses only, construct a
a) regular hexagon of side 3.5cm.

(04 marks)

- b) Find the perimeter of the shape.