



Provincial Department Of Education – Sabaragamuwa
WEEKLY SCHOOL

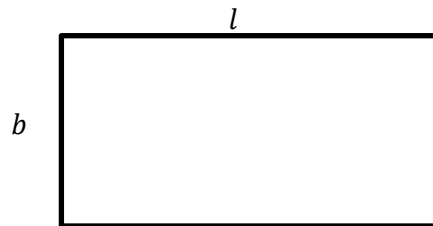
Subject : Mathematics

Grade 7

Week : 12th of 2nd Term

Unit 15 – Equations and Formulae (2)

➤ Formulae



- Let the length of this rectangular lamina be l units, the breadth be b units and the perimeter be P in the same units.
 - Then $P = l + b + l + b$
 - This can be written either as $P = 2l + 2b$ or $P = 2(l + b)$
 - Equations such as the above are called **formulae**.
 - Here P is called the subject of the formula.
 - This formula can be used to find the perimeter of any rectangle of which the length and breadth are known.

- The length and the breadth of a certain rectangle are 13 cm and 7 cm respectively. Let us calculate its perimeter by using the above formula.

$$P = 2l + 2b$$

$$l = 13 \text{ cm and } b = 7 \text{ cm}$$

$$\begin{aligned} \text{Therefore, } P &= 2 \times 13 + 2 \times 7 \text{ cm} \\ &= 26 + 14 \text{ cm} \\ &= 40 \text{ cm} \end{aligned}$$

✓ Do all the exercises in your text book 15.3 and 15.4