

11.

$$\text{width} = x \text{ cm}$$

$$\text{length} = 2x \text{ cm.}$$

$$\text{Perimeter} = P \text{ cm.}$$

$$P = 2(l+b)$$

$$P = 2(2x+x)$$

$$P = 2(3x)$$

$$P = 6x$$

$$P = 36 \text{ cm.}$$

$$36 = 6x$$

$$6x = 36$$

$$x = \frac{36}{6} = 6$$

$$\underline{\underline{\text{width} = 6 \text{ cm}}}$$

12) Total
Length of a roll of
paper = $L \text{ m}$

$$\text{No. of pieces} = N$$

$$\text{Length of each piece} = r \text{ m}$$

$$\text{Total length of } N \text{ pieces
of paper} = Nr \text{ m}$$

$$\text{Length of paper left} = P \text{ m}$$

$$P = L - Nr$$

$$L = 20 \text{ m}$$

$$N = 10$$

$$r = 1.5 \text{ m.}$$

$$P = 20 - (10 \times 1.5)$$

$$= 20 - (15)$$

$$= 20 - 15$$

$$\underline{\underline{P = 5 \text{ m}}}$$