



Percentage Ex 11.5 Q1

**Answer :**

Let the number be  $x$ .

(i) 24% of  $x = 6$

$$\Rightarrow (24/100) \times x = 6$$

$$\Rightarrow x = 600/24 = 25\%$$

(ii) 125% of  $x = 10$

$$\Rightarrow (125/100) \times x = 10$$

$$\Rightarrow x = 1000/125 = 8\%$$

(iii) 4 km = 4000 metres (1 km = 1000 m)

4000% of  $x = 160$

$$\Rightarrow (4000/100) \times x = 160$$

$$\Rightarrow x = 16000/4000 = 4\%$$

(iv) Rs. 8 = 800 paise (Re. 1 = 100 paise)

800% of  $x = 25$

$$\Rightarrow (800/100) \times x = 25$$

$$\Rightarrow x = 2500/800 = 25/8 = 3.125\%$$

(v) 2 days =  $2 \times 24 = 48$  (1 day = 24 hours)

48% of  $x = 8$

$$\Rightarrow (48/100) \times x = 8$$

$$\Rightarrow x = 800/48 = 100/6 = 16.66\%$$

(vi) 1 litre = 1000 ml

1000% of  $x = 175$

$$\Rightarrow (1000/100) \times x = 175$$

$$\Rightarrow x = 17500/1000 = 175/10 = 17.5\%$$

\*\*\*\*\* END \*\*\*\*\*