Class - 5

Chapter - 7

Decimal Fractions

Lecture sheet – 9

Word Problems

1. Iron bar is 0.8 m in length but its weight is 12 kg. Find the weight per metre of iron bar.

Solution:

Weight of 0.8 m of the iron bar = 12 kg

Weight of 1 m of the iron bar = $(12 \div 0.8)$ kg

$$= \frac{12}{0.8} kg$$

$$= \frac{12 \times 10}{0.8 \times 10} kg$$

$$= \frac{120}{8} kg$$

$$= 15 \text{ kg}$$

Ans: 15 kg

2. There is 1.6 litres of paint in a pot and it weight 2.4 kg. Find the weight per litre of the paint.

Solution:

Weight of 1.6L of paint = 2.4 kg
Weight of 1 L of paint =
$$(2.4 \div 1.6)$$
 kg
= $(24.0 \div 16)$ Kg
= 1.5 kg

Ans: 1.5 Kg

3. There is a rectangular shape land whose area is $29.4m^2$. When its width is 8.4 metres, find the length of this land.

Solution:

Given that,

Area of land =
$$29.4 \text{ sq. m}$$

And width = 8.4 m

We know,

Length of the land = Area
$$\div$$
 Width
= $(29.4 \div 8.4)$ m
= $(294.0 \div 84)$ m
= 3.5 m

Ans: 3.5 m.

Rough
3.5
84) 294.0
252
420
420
0

Exercise: (Do yourself)

- 1. A car has travelled 114.5 km in 2.5 hours. How many km did it travel in one hour?
- 2. A rectangular land has an area of $729m^2$. When its width is 22.5 m, find the length of this land.
- 3. A 3.25 metre long iron bar weighs 15.6 kg. Find the weight per metre of this iron bar.