Cosmo School

Class – 5

Chapter – 7

# *Decimal Fractions*

## *Lecture sheet – 7*

## Word Problem

***1) There is a wire and its weight 400 grams per metre. If it is 2.4 metre in length then what is the weight of the wire?***

***Solution:***

The weight of 1m of wire is 400 grams

The weight of 2.4 m of wire is (400 × 2.4) grams

= 960 grams

***Ans:*** 960 grams

Rough

400

×2.4

1600

8000

960.0

***2) There is an iron bar, and its weight is 2.3 kg per metre. How many kilograms will it be if it is 1.4 metres in length?***

***Solution:***

The weight of 1 m of wire is 2.3 kg

The weight of 1.4 m of wire is (2.3 × 1.4) kg

= 3.22 kg

***Ans:*** 3.22 kg

Rough

2.3

×1.4

92

230

3.22

***3) One inch equals 2.54 centimetres. How many centimetres are equal to 8.5 inches?***

***Solution:***

1 inch = 2.54 cm

8.5 inch = (2.54 × 8.5) cm

= 21.59 cm

***Ans:*** 21.59 cm

Rough

2.54

×8.5

1270

20320

21.590

***4) A car travels 42.8 km in one hour. How many kilometres will it travel in 15.5 hours?***

***Solution:***

In 1 hour, a car can travel 42.8 km

In 15.5 hour, a car can travel (42.8 × 15.5) km

= 663.4 km

***Ans:*** 663.4 km

Rough

42.8

×15.5

2140

21400

42800

663.40

***5. A rectangular land has the width of 4.75 metres and the length of 12.8 metres. Find the area of this land.***

***Solution:***

Given,

Width = 4.75 m

Length = 12.8 m

We know,

Area of rectangular land = Length × Width

= (12.8 × 4.75) sq.m

=60.8 sq.m

***Ans:*** 60.8 sq.m

Rough

$$\begin{array}{r} 12.8 \\ \times 4.75 \\ \hline 640 \\ 8960 \\ 51200 \\ \hline 60.800 \end{array}$$

***6. Reza's weight is 36.5 Kg, and his younger brother and his father's weight are 0.8 times and 1.6 times of his weight respectively. Find his brother's and his father's weight.***

***Solution:***

weight of Reza = 36.5 Kg

His brother's weight = 0.8 times of his weight

$= (0.8 \times 36.5)$ Kg

$= 29.20$ Kg

Again,

His father's weight = 1.6 times of his weight

$= (1.6 \times 36.5)$ Kg

$= 58.40$ Kg

***Ans:*** 29.20 Kg, 58.40 Kg.

Rough

$$\begin{array}{r} 36.5 \\ \times 0.8 \\ \hline 29.20 \end{array}$$

Rough

$$\begin{array}{r} 36.5 \\ \times 1.6 \\ \hline 2190 \\ 3650 \\ \hline 58.40 \end{array}$$

# Exercise (Do yourself)

# Book exercise – 7(b) (Page - 87)

# NO: 4, 5, 6, 7