Prepared by Ariful Haque Lecture Sheet-2 (17.06.2020) Class 4 Math Chapter 10: Measurement

Weight:

Weight is the amount of heaviness of an object.

There are many units of measuring weights. They are kilogram (kg), gram (g) etc. We can convert them into the following way:

1 kg = 1000 g

1 g = 0.001 kg

Converting units:

#Express 7 kg 845 g in 'kg' and 'g'.

We know, 1 g = 0.001 kg

845 g = 845×0.001 kg

= 0.845 kg

So 7 kg 845 g = 7 kg + 0.845 kg

= 7.845 kg (answer)

Again, we know, 1 kg = 1000 g

 $7 \text{ kg} = 7 \times 1000 \text{ g}$

= 7000 g

So 7 kg 845 g = 7000 g + 845 g

= 7845 g (answer)

Volume:

Volume is the amount of space contained within an object.

Units of volume of liquid are liter (l), deciliter (dl), milliliter (ml). We can convert them into the following way:

1 L = 10 dl = 1000 ml

1 dl = 100 ml

1 dl = 0.1 L

1 ml = 0.01 dl

1 ml = 0.001 L

Another unit of volume of liquid is 'cc'(cubic centimeter). It is related to 'ml'.

1 cc = 1 ml

Calculating Volume:

#Rupa made 2 liters of orange juice and drank 550 ml of it. How much juice remains? Express in 'L' and 'ml'.

We know, 1 L = 1000 ml

 $2 L = 2 \times 1000 ml$

= 2000 ml

So juice remains = 2000 - 550 ml

= 1450 ml (answer)

Again, we know, 1 ml = 0.001 L

 $1450 \text{ ml} = 1450 \times 0.001 \text{ L}$

= 1.450 L (answer)