

Class-5

**Subject-Mathematics** 

**Chapter-11** 

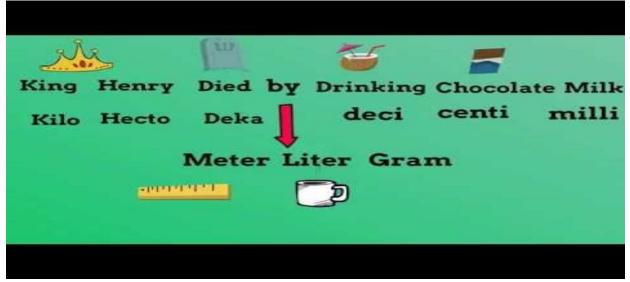
Measurement

Lecture-4

## **Word problem**

**Weight:** Weight is how heavy something or how much mass it has. An example of weight is when a person is 60 kg.





### Formula:

- **1)** 1 kilogram (kg) = 1000 gram (g)
  - 1 gram (g) =  $\frac{1}{1000}$  = 0.001 kilogram (kg)
- 2) 1 hectogram (hg) = 100 gram (g)

1 gram (g) = 
$$\frac{1}{100}$$
 = 0.01 hectogram (hg)

- **3)** 1 decagram (dag) = 10 gram (g)
  - 1 gram (g) =  $\frac{1}{10}$  = 0.1 decagram (dag)
- 4) 1 Quintal = 100 kilogram (kg)
  - 1 kilogram (kg) =  $\frac{1}{100}$  = 0.01 Quintal
- 5) 1 metric ton = 10 quintal
- 6) 1 metric ton = 1000 kilogram (kg)

## Word problem:

1) How many students of 30-kg are necessary to make a weight equal to a car of 1.5 metric tons?

#### Solution:

Here, 1.5 metric ton = 
$$(1.5 \times 1000)$$
 kg [: 1metric ton = 1000kg]  
= 1500 kg

30 kg = weight of 1 student

Ans: 50 students.

# **Exercise (Do yourself)**

- a) Latif went to a market, and bought 3.5kg of rice, 8hg of vegetables and 2400g of meat. How many kilograms of items did he buy?
- b) A book weighs 124g. How many kilograms will be if there are 80 books?
- c) There are 8 people and their total weight is 451.2kg. What is the average weight in hectogram of these 8 people?