Cosmo School

Class-5

Subject-Mathematics

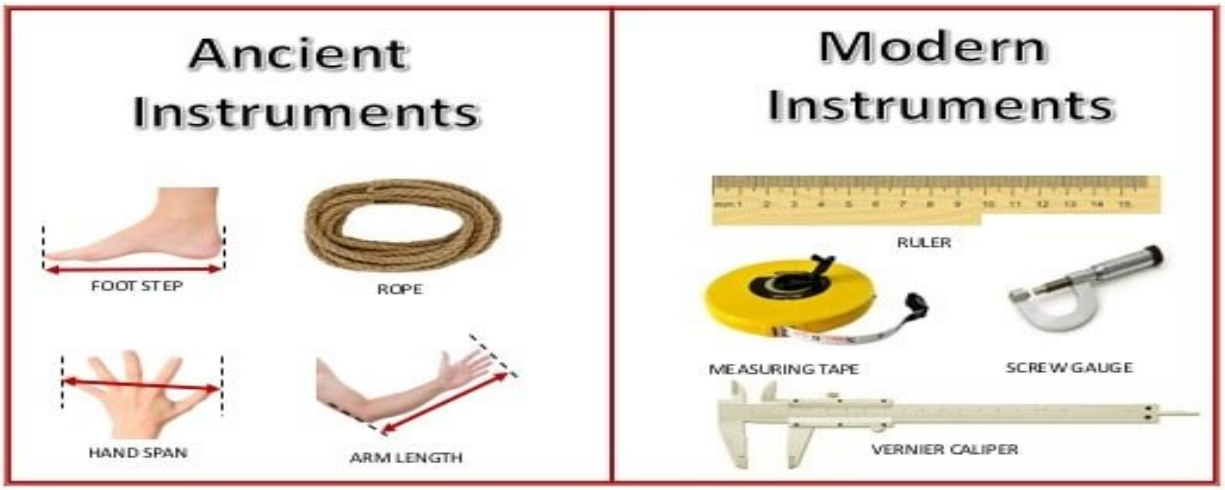
Chapter-11

Measurement

Lecture-2

Word problem

Length: The length of something is the amount that it measures from one end to the other along.



Formula:

1) 1 kilometre (km) = 1000 metre (m)

1 metre (m) = $\frac{1}{1000}$ = 0.001 kilometre (km)

2) 1 hectometre (hm) = 100 metre (m)

1 metre (m) = $\frac{1}{100}$ = 0.01 hectometre (hm)

3) 1 decametre (dam) = 10 metre (m)

1 metre (m) = $\frac{1}{10}$ = 0.1 decametre (dam)

4) 1 metre (m) = 10 decimetre (dm)

1 decimetre (dm) = $\frac{1}{10}$ =0.1 metre (m)

5) 1 metre (m) = 100 cemtimetre (cm)

1 centimetre (cm) = $\frac{1}{100}$ = 0.01 metre (m)

6) 1 metre (m) = 1000 millimetre (mm)

1 millimetre (mm) = $\frac{1}{1000}$ = 0.001 = metre (m)

Word problem:

1. If Reza walks 54 metres in a minute, how many kilometres will he walk in an hour?

Solution:

We know,

1 hour = 60 minutes

Reza walks in 1 minute = 54 metres

∴Reza walks in 60 minutes = (54 × 60) metres

= 3240 metres

= $\frac{3240}{1000}$ kilometres [$\because$1 m = $\frac{1}{1000}$ km]

= 3.24 kilometres

Ans: 3.24 kilometres.

Exercise (Do yourself)

a) Raju's height is 1.35 m and his brother's height is 9.6 dm. How much is the difference in their height? Write it in centimeter.

b) A tailor has 375 decimetres of cotton cloth and wants to make 15 shirts from it. How many centimetres can he use for one shirt?

c) Reza walks 45 metres in a minutes, and Mina walks 80 centimetres in a second. Who can walk faster?