



# KALPAVRUKSHA MODEL SCHOOL

## ONLINE CLASS ASSIGNMENT

Class: VI

Sub: Physics

Date: 7.06.2021

Topic: Measurement and Motion Part -4

Commented [1]: Approved

### I. Answer the following questions:

#### 1. List three uses of metre.

Ans :

1. the length of a room
2. the height of a tree or a building or
3. the length and breadth of a playground.

#### 2. Can you measure the length of a pencil with metre-scale?

**Explain.**

Ans : No, length of pencil cannot be measured with metre scale. To measure the length of a pencil, a small scale, like six inches plastic scale should be used. This length should be expressed in centimetres.

#### 3. Which unit should be used to express the thickness of a coin or wire ?

Ans : Thickness of coin or wire is expressed in millimetres (mm).

#### 4. Is kilometre a standard or non-standard unit? Why?

Ans : Kilometre is standard unit. Because its international system unit. Its fixed quantity. It will not change person to person and place to place.

#### 5. Convert the following:

- a.  $550 \text{ cm} = 5500 \text{ mm}$ .
- b.  $6500 \text{ m} = 6.5 \text{ km}$ .
- c.  $700 \text{ km} = 70000000 \text{ cm}$ .
- d.  $2000 \text{ m} = 2 \text{ km}$ .

**6. Usha wants to buy a dupatta that is 250cm long. The shopkeeper wants her to give the measurements in meters. Can you help her?**

Ans : Usha wants to buy a dupatta that is 250cm.

But shopkeeper wants her to give the measurement in metres.

$$1\text{m}=100\text{cm}$$

$$?=250\text{cm}$$

$$100=250 \times 1$$

$$=250/100$$

$$=25/10$$

$$=2.5 \text{ m}$$

**7. Ravi's physics text book is 55 mm thick and her Maths text book is 5 cm thick. Which textbook is thicker ?**

Ans : Maya's physics text book is 55mm thick.

Her maths text book is 5cm thick.

$$10\text{mm}=1\text{cm}$$

$$55\text{mm}=?$$

$$55\text{mm}=5.5\text{cm}$$

$$5.5\text{cm}>5\text{cm}$$

Thus Ravi's Physics text book is thicker than her Maths text book.

**8. Sony lives in a hostel which is 40,00,000 m away from his house. Calculate the distance in km.**

Ans : Sony lives in a hostel which is 40,00,000m away from his house.

So, the distance in kilometre

$$1\text{km}=1000\text{m}$$

$$?=40,00,000$$

$$1000=40,00,000$$

$$=40,00,000/1000$$

$$=4,000 \text{ km}$$