



KALPAVRUKSHA MODEL SCHOOL

ONLINE CLASS ASSIGNMENT

Class: VI

Sub: Physics

Date: 14.06.2021

Topic: Measurement and Motion Part -5

Commented [1]: Approved

I. Answer the following questions.

1. Define length.

Ans : The distance of something from one end to the other end is known as length.

2. Name two devices used to measure length.

Ans: The two devices that can be used to measure length are metre scale and screw gauge.

3. Discuss the precautions that one should take while measuring length with a ruler.

Ans : While measuring length using a ruler, we should take the following precautions:

- i. Care should be taken to keep the ruler along the length of the object.
- ii. If the edge of the ruler is worn out or broken, the measurement should be started from any other mark that is fully clear.
- iii. Eyes should be exactly above the point where the measurement is to be taken. If your eyes are at different positions, you might get the wrong readings.

4. How can you measure the length of a curved line using thread?

Ans : The following steps should be followed while measuring a curved line

- (a) First we have to take a thread.
- (b) Place the thread along the path of the curved surface.
- (c) Mark the thread where the curve line begins and ends.
- (d) Place the thread on the scale starting from zero to the marked end point.
- (e) Measure this length by the help of the scale.

5. What type of measuring device would you use to measure the girth of a tree?

Ans : To measure the girth of a tree will use measuring tape

6. Using a thread how will you find the circumference of a one-rupee coin.

Ans : Firstly, fix one end of the thread, place the coin adjacent to that point, roll the thread exactly once around the coin. Then find the length of the thread by using a scale, which is the required circumference of the coin.

7. Which device can we use to measure the length of a curved line?

Ans : We can measure the length of curved line by thread or string.

8. A 50 cm scale has one end broken. The mark at the broken end is 3.6 cm.

How would you use it to measure the length of your pencil?

Ans : Put one end of the pencil at nearest full mark say 4.0 cm in this case. Take the reading of the other end. Now subtract 4 from the previous reading and this will be the required length of pencil.

$$\begin{aligned}\text{So, the length of the scale is use to measure} &= 50 - 4 \\ &= 46 \text{ cm}\end{aligned}$$