Khidwai English School, Shimoga

Class: 6th Standard Subject : General Science

Motion and Measurement of Distances

1) The distance between Radha’s home and her school is 3250m. Express this distance into km

( kilometer)

Ans. : 1 km = 1000 m

So 1 m = km

Therefore 3250 m = = 3.250 km

2) While measuring the length of a knitting needle, the reading of the scale at one end is 3.0 cm and at the other end is 33.1 cm. What is the length of the needle?

Ans. : The length of the needle is 33.1 – 3.0 = 30.1 cm

3) Write the similarities and difference between the motion of a bicycle and ceiling fan that has been switched off.

Ans. :

Similarities: Both show a circular motion

Differences: Bicycle shows a rectangular motion where as ceiling fan does not.

4)Why could you not use an elastic measuring tape to measure distance? What would be some of the problems you would meet in telling something about a distance you measured with an elastic tape?

Ans. : Since the tape is stretchable , its well show the measurements for different lengths. Therefore we cannot use it as measuring tape. While measuring which is difficult to measure. It leads to incorrect measurements.

5) Give two examples for Periodic Motion

Ans. : Rotation of Earth, Pendulum, Vibrating wire of guitar etc.