

**Chapter-10**

**Motion and Measurement of Distances**

Question -1: Which invention made the biggest change in modes of transport?

Ans. Invention of wheel

Question -2: shows some of the different modes of transport. Place them in the correct order — from the earliest modes of transport to the most recent.

Ans. Different modes of transport from the earliest modes of transport to the most recent:

1. Boats
2. Animal carts
3. Railways
4. Motorized boats and ships
5. Airplanes
6. Electric trains, monorails etc.

Question -3: What was the problem in measuring length using hand span?

Ans. It used to vary from person to person.

Question -4: What is measurement?

Ans. measurement means the comparison of an unknown quantity with some known quantity.

Question -5: What is unit?

Ans. measurement means the comparison of an unknown quantity with some known quantity. This known fixed quantity is known as Unit.

Question -6: Why standard units of measurement were accepted?

Ans. For the sake of uniformity.

Question -7: What is International System of Units ?

Ans. The system of units now used is known as the International System of Units (SI units). The SI unit of length is a meter.

Question -8: How can be the length of a curved line can be measured?

Ans. By using thread and meter scale.

Question -9: What is Motion?

Ans. Motion means change in ones position with respect to time.

Question -10: Define:

1. Rectilinear motion
2. Circular motion
3. Periodic motion

Ans. Definition of following types of motions are:

1. Rectilinear motion: Motion in a straight line is called rectilinear motion.
2. Circular motion: In circular motion an object moves such that its distance from a fixed point remains the same.
3. Periodic motion: Motion that repeats itself after some period of time, is called periodic motion.