

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Motion and Measurement of Distances

Q1. What is the need of measurement?

Ans. \_\_\_\_\_  
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\_\_\_\_\_

Q2. Why a tailor uses a tape whereas a cloth merchant uses a metre rod for measurement?

Ans. \_\_\_\_\_  
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\_\_\_\_\_  
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Q3. Write two examples where objects undergo combinations of different types of motion.

Ans. \_\_\_\_\_  
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## Motion and Measurement of Distances

Q1. What is the need of measurement?

Ans. It is difficult to make correct judgment about an object without making actual measurement. It is not always easy to find out the measurement of different objects just by looking at them. Guessing may lead to incorrect measurement. Therefore, to make measurement more reliable, accurate, actual measurement is taken.

Q2. Why a tailor uses a tape whereas a cloth merchant uses a metre rod for measurement?

Ans. A tailor uses a tape, whereas a cloth merchant uses a metre rod because for measuring the length of an object, we must choose a suitable device. Tailor cannot measure the size of your chest using a metre scale, for instance. He needs a flexible device for this. That's why Measuring tape is more suitable for this kind of measurement.

Q3. Write two examples where objects undergo combinations of different types of motion.

Ans. Examples:

- i. The ball is rolling on the ground – rotating as well as moving forward on the ground. Thus, the ball undergoes a rectilinear motion as well as rotational motion.
- ii. In sewing machine, its wheel moves in a circular motion and its needle moves up and down continuously, as long as the wheel rotates in a periodic motion.