

Name: _____ Date: _____

Motion and Measurement of Distances

Q1. Why can't hand span and cubit be used as standard units?

Ans. _____

Q2. Why we should not use an elastic tape for measuring the length?

Ans. _____

Q3. State the 3 precautions which should be taken while using a metre scale to measure length.

Ans. _____

Q4. How people travelled from one place to another in earlier times before the discovery of wheel?

Ans. _____

Motion and Measurement of Distances

Q1. Why can't hand span and cubit be used as standard units?

Ans. Hand span and cubit cannot be used as standard units because everyone's body parts could be of slightly different sizes which cause confusion in measurement.

Q2. Why we should not use an elastic tape for measuring the length?

Ans. We should not use an elastic tape for measuring the length because elastic measuring tape is stretchable and the length of the tape may change on stretching. Thus, an elastic tape gives wrong measurement.

Q3. State the 3 precautions which should be taken while using a metre scale to measure length.

Ans. In taking measurement of a length, we need to take care of the following:

- i. Place the scale in contact with the object along its length.
- ii. Avoid taking measurements using broken scale.
- iii. Eye must be exactly in front of the point where the measurement is to be taken.

Q4. How people travelled from one place to another in earlier times before the discovery of wheel?

Ans. Long ago people used to move only on foot and carry goods on their back or using animals. For transport along water routes, boats were used from ancient times.