

Name: _____ Date: _____

Motion and Measurement of Distances

Q1. Fill in the blanks.

- i. Measurement is the comparison of an unknown quantity with some _____ quantity.
- ii. $1 \text{ km} = \text{_____ m}$.
- iii. Standard unit of length is _____.
- iv. The length of curved line can be measured using a _____.
- v. _____ is the distance between two points or ends of an object.
- vi. _____ means the change in position of an object with time.

Q2. True/False

- i. The choice of device used for the measurement depends on the type of measurement to be made. _____
- ii. Our senses are reliable for accurate measurement. _____
- iii. $1 \text{ m} = 100 \text{ cm}$. _____
- iv. $5 \text{ km} = 5000 \text{ cm}$. _____
- v. Motion of a child on a swing is periodic motion. _____
- vi. Motion of a wheel of a cycle is random motion. _____

Q3. Which measuring device can be used to measure the girth of a tree?

Ans. _____

Q4. Write the type of motion in which a body moves along a straight path.

Ans. _____

Q5. Which unit of length is used to measure a large distance?

Ans. _____

Q6. Write one example of circular motion.

Ans. _____

Motion and Measurement of Distances

Q1. Fill in the blanks.

- i. Measurement is the comparison of an unknown quantity with some fixed quantity.
- ii. 1 km = 1000 m.
- iii. Standard unit of length is metre.
- iv. The length of curved line can be measured using a thread.
- v. Length is the distance between two points or ends of an object.
- vi. Motion means the change in position of an object with time.

Q2. True/False

- i. The choice of device used for the measurement depends on the type of measurement to be made. True
- ii. Our senses are reliable for accurate measurement. False
- iii. 1m = 100cm. True
- iv. 5km = 5000cm. False
- v. Motion of a child on a swing is periodic motion. True
- vi. Motion of a wheel of a cycle is random motion. False

Q3. Which measuring device can be used to measure the girth of a tree?

Ans. Measuring tape

Q4. Write the type of motion in which a body moves along a straight path.

Ans. Rectilinear or linear motion

Q5. Which unit of length is used to measure a large distance?

Ans. Kilometre

Q6. Write one example of circular motion.

Ans. Motion of hands of a clock