

Assignment Grade-VII

Chapter-9: Motion and Time

Q1. Define the following terms -

- a) Speed
- b) Distance
- c) Time Period
- d) Rest
- e) Motion

Q2. Distinguish between the following –

- a) Uniform and Non- uniform Motion
- b) Speedometer and Odometer

Q3. Draw a well labelled diagram of a Simple Pendulum.

Q4. Give any two examples of following :

- a) A body showing uniform motion
- b) A body showing non-uniform motion

Q5. Identify the type of motion present in following –

- a) A girl running in a race
- b) A cyclist riding uphill and downhill
- c) A car moving in a traffic jam
- d) A train going from Delhi to Mumbai

Q6. What is the SI unit of Speed?

Q7. A bus travels 54 Km in 90 minutes. Calculate the speed of the bus in

- a) Km/min.
- b) Km/hr
- c) m/s

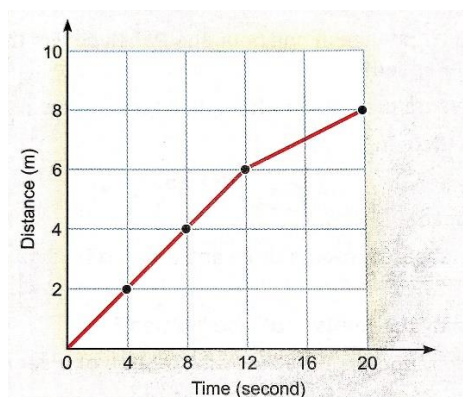
Q8. Which speed is greater: 30 m/s or 30 Km/hr?

Q9. A snail covers 1 meter in 10 seconds. What is the speed of the snail in Km/hr?

Q10. Salma takes 25 minutes from her house to reach her school on a bicycle. The bicycle has a speed of 2 m/s. Calculate the distance between her house and the school.

Q11. A simple pendulum takes 42 s to complete 20 oscillations. Find the time period of the pendulum.

Q12. Given below as figure is the distance –time graph of the motion of an object.



- a) What will be the position of the object at 16 s?
- b) How much distance will be covered by the object in 8 s?