CHAPTER 9

SPEED, DISTANCE AND TIME

More Questions for Practice

1. A train covers a distance of 300 km with a speed of 40 km/h. What time is taken by the train to cover this distance?

2. A bike crosses a bridge with a speed of 50 km/h. What will be the length of the bridge, if the bike takes 36 minutes to cross the bridge.

3. If a person covers 40 km at a speed of 10 km/h by a cycle, 25 km at 5 km/h on foot and another 100 km at 50 km/h by bus. Find his average speed for the whole journey?

4. Ramesh covers a certain distance by car driving at 35 km/h and returns to the starting point riding on a scooter with a speed of 25 km/h. Find the average speed for the whole journey.

5. Two persons are moving in the directions opposite to each other. The speeds of the both persons are 5 km/h and 3 km/h respectively. Find the relative speed of the two persons in respect of each other.

6. Two trains are running in the same direction. The speeds of two trains are 5 km/h and 15 km/h respectively. What will be the relative speed of the second train with respect to the first?

7. A person covers half of his journey at 30 km/h, one-third at 40 km/h and rest of the journey at 20 km/h. Find his average speed for the whole journey.

8. A certain distance is covered at a certain speed. If half of the distance is covered in double time, then find the ratio of the two speeds.

ANSWERS

1. 7.5 hours	**2.** 30 km	**3.** 15 km/h	**4.** 29.16 km/h
5. 8 km/h	**6.** 10 km/h	**7.** 30 km/h	**8.** 4 : 1.