EduSahara™ Assignment

Name : Time and Distance

Chapter : Time and Distance

Grade : ICSE Grade VII

1. If the speed of a vehicle is 17.34 kmph, how much distance will it travel in 20.14 hr?

   (i) 347.23 km (ii) 350.23 km (iii) 351.23 km (iv) 349.23 km (v) 348.23 km

2. If the speed of a vehicle is 5.54 m/sec, how much distance will it travel in 36.06 sec?

   (i) 197.77 m (ii) 200.77 m (iii) 201.77 m (iv) 198.77 m (v) 199.77 m

3. If a vehicle travels 474.07 km in 50.92 hr, what is the speed of the vehicle?

   (i) 8.31 kmph (ii) 7.31 kmph (iii) 11.31 kmph (iv) 9.31 kmph (v) 10.31 kmph

4. If a vehicle travels 178.87 m in 21.84 sec, what is the speed of the vehicle?

   (i) 9.19 m/sec (ii) 8.19 m/sec (iii) 7.19 m/sec (iv) 10.19 m/sec (v) 6.19 m/sec

5. If the speed of a vehicle is 15.96 kmph, how much time will it take to travel 506.25 km?

   (i) 31.72 hr (ii) 32.72 hr (iii) 29.72 hr (iv) 33.72 hr (v) 30.72 hr

6. If the speed of a vehicle is 8.54 m/sec, how much time will it take to travel 346.64 m?

   (i) 40.59 sec (ii) 38.59 sec (iii) 41.59 sec (iv) 39.59 sec (v) 42.59 sec

7. If a train travels 106.58 m in 37.93 sec, how much distance it covers in 25.18 sec?

   (i) 68.76 m (ii) 70.76 m (iii) 69.76 m (iv) 72.76 m (v) 71.76 m

8. If a train travels 295.25 m in 27.44 sec, what time it takes to travel 213.70 m?

   (i) 20.86 sec (ii) 17.86 sec (iii) 21.86 sec (iv) 19.86 sec (v) 18.86 sec

9. If a train covers a certain distance at a speed of 31.56 m/sec in 10.65 sec, what should be the speed to cover the same distance in 31.57 sec?

   (i) 11.65 m/sec (ii) 10.65 m/sec (iii) 9.65 m/sec (iv) 12.65 m/sec (v) 8.65 m/sec

10. A train covers a certain distance at a speed of 8.59 m/sec in 47.81 sec. If it travels at 14.12 m/sec, in what time it covers the same distance ?

    (i) 29.09 sec (ii) 30.09 sec (iii) 27.09 sec (iv) 31.09 sec (v) 28.09 sec

11. If a train travelling at 13.55 m/sec speed covers 447.29 m distance in a certain time, at what speed should it travel to cover 477.32 m distance in the same time ?

    (i) 15.46 m/sec (ii) 12.46 m/sec (iii) 16.46 m/sec (iv) 14.46 m/sec (v) 13.46 m/sec

12. If a train travelling at 4.30 m/sec speed covers 155.88 m distance in a certain time, how much distance will it cover in the same time at speed 6.35 m/sec?

    (i) 232.19 m (ii) 229.19 m (iii) 230.19 m (iv) 231.19 m (v) 228.19 m

13. A train travels some distance at a speed of 16.94 m/sec for 25.79 sec, some more distance at a speed of 14.40 m/sec for 17.07 sec and the remaining distance at a speed of 31.17 m/sec for 15.05 sec. What is the average speed of the train?

(i) 19.89 m/sec (ii) 20.89 m/sec (iii) 18.89 m/sec (iv) 21.89 m/sec (v) 17.89 m/sec

14. A train travels some distance at a speed of 16.35 m/sec for 25.52 sec, some more distance at a speed of 6.53 m/sec for 36.54 sec and the remaining distance at a speed of 8.25 m/sec for 38.03 sec. What is the total distance covered?

(i) 967.61 m (ii) 969.61 m (iii) 968.61 m (iv) 970.61 m (v) 971.61 m

15. A train travels 398.76 m distance at 13.04 m/sec, 261.85 m distance at 8.56 m/sec and 276.49 m distance at 11.35 m/sec. What is the average speed of the train?

(i) 8.96 m/sec (ii) 11.96 m/sec (iii) 12.96 m/sec (iv) 9.96 m/sec (v) 10.96 m/sec

16. A train travels 185.26 m distance at 12.18 m/sec, 220.35 m distance at 6.50 m/sec and 384.54 m distance at 9.16 m/sec. What is the total time travelled by the train?

(i) 92.09 sec (ii) 93.09 sec (iii) 91.09 sec (iv) 89.09 sec (v) 90.09 sec

17. A train travels 349.62 m distance for 46.74 sec, 165.73 m distance for 17.84 sec and 257.29 m distance for 11.09 sec. What is the average speed of the train?

(i) 9.21 m/sec (ii) 12.21 m/sec (iii) 8.21 m/sec (iv) 10.21 m/sec (v) 11.21 m/sec

18. In how much time, a train of length 500.60 m travelling at a speed of 12.57 m/sec will cross a platform of length 478.21 m?

(i) 76.89 sec (ii) 77.89 sec (iii) 75.89 sec (iv) 78.89 sec (v) 79.89 sec

19. In how much time, a train of length 122.95 m travelling at a speed of 8.89 m/sec will cross a pole?

(i) 11.83 sec (ii) 13.83 sec (iii) 15.83 sec (iv) 12.83 sec (v) 14.83 sec

20. In how much time will a train A of length 411.80 m travelling at a speed of 10.54 m/sec will cross another train B of length 239.33 m travelling in the same direction at a speed of 8.46 m/sec?

(i) 315.04 sec (ii) 312.04 sec (iii) 313.04 sec (iv) 311.04 sec (v) 314.04 sec

21. In how much time will a train A of length 365.22 m travelling at a speed of 7.99 m/sec will cross another train B of length 224.11 m travelling in the opposite direction at a speed of 7.61 m/sec?

(i) 39.78 sec (ii) 36.78 sec (iii) 37.78 sec (iv) 35.78 sec (v) 38.78 sec

22. In how much time will a train of length 441.39 m travelling at a speed of 15.52 m/sec crosses a man riding a cycle in the same direction at a speed of 9.59 m/sec?

(i) 73.43 sec (ii) 75.43 sec (iii) 76.43 sec (iv) 72.43 sec (v) 74.43 sec

23. In how much time will a train of length 354.95 m travelling at a speed of 11.19 m/sec crosses a man riding a cycle in the opposite direction at a speed of 9.38 m/sec?

(i) 15.26 sec (ii) 19.26 sec (iii) 18.26 sec (iv) 17.26 sec (v) 16.26 sec

24. A train crosses a telegraph post in 43.23 sec and a bridge 2492.36 m long in 92.77 sec. What is the length of the train?

(i) 2173.90 m (ii) 2175.90 m (iii) 2176.90 m (iv) 2172.90 m (v) 2174.90 m

25. A train crosses a telegraph post in 46.35 sec and a bridge 656.37 m long in 95.37 sec. What is the speed of the train?

(i) 15.39 m/sec (ii) 14.39 m/sec (iii) 13.39 m/sec (iv) 11.39 m/sec (v) 12.39 m/sec

Assignment Key

1) (iv)	2) (v)	3) (iv)	4) (ii)	5) (i)	6) (i)
7) (ii)	8) (iv)	9) (ii)	10) (i)	11) (iv)	12) (iii)
13) (i)	14) (ii)	15) (v)	16) (iii)	17) (iv)	18) (ii)
19) (ii)	20) (iii)	21) (iii)	22) (v)	23) (iv)	24) (v)
25) (iii)					