EduSahara™ Assignment

Name : Time and Distance

Chapter : Time and Distance

Grade : ICSE Grade VII

1. If the speed of a vehicle is 3.97 kmph, how much distance will it travel in 34.24 hr?

   (i) 136.93 km (ii) 134.93 km (iii) 133.93 km (iv) 135.93 km (v) 137.93 km

2. If the speed of a vehicle is 13.41 m/sec, how much distance will it travel in 18.18 sec?

   (i) 242.79 m (ii) 241.79 m (iii) 244.79 m (iv) 245.79 m (v) 243.79 m

3. If a vehicle travels 271.71 km in 38.76 hr, what is the speed of the vehicle?

   (i) 7.01 kmph (ii) 8.01 kmph (iii) 6.01 kmph (iv) 9.01 kmph (v) 5.01 kmph

4. If a vehicle travels 191.92 m in 17.82 sec, what is the speed of the vehicle?

   (i) 8.77 m/sec (ii) 9.77 m/sec (iii) 10.77 m/sec (iv) 11.77 m/sec (v) 12.77 m/sec

5. If the speed of a vehicle is 7.66 kmph, how much time will it take to travel 377.87 km?

   (i) 49.33 hr (ii) 50.33 hr (iii) 48.33 hr (iv) 47.33 hr (v) 51.33 hr

6. If the speed of a vehicle is 13.89 m/sec, how much time will it take to travel 259.33 m?

   (i) 19.67 sec (ii) 16.67 sec (iii) 17.67 sec (iv) 18.67 sec (v) 20.67 sec

7. If a train travels 400.66 m in 21.01 sec, how much distance it covers in 38.48 sec?

   (i) 732.81 m (ii) 731.81 m (iii) 733.81 m (iv) 735.81 m (v) 734.81 m

8. If a train travels 222.60 m in 42.32 sec, what time it takes to travel 437.30 m?

   (i) 85.14 sec (ii) 82.14 sec (iii) 84.14 sec (iv) 81.14 sec (v) 83.14 sec

9. If a train covers a certain distance at a speed of 22.40 m/sec in 21.64 sec, what should be the speed to cover the same distance in 11.89 sec?

   (i) 39.77 m/sec (ii) 42.77 m/sec (iii) 40.77 m/sec (iv) 41.77 m/sec (v) 38.77 m/sec

10. A train covers a certain distance at a speed of 5.30 m/sec in 49.78 sec. If it travels at 6.90 m/sec, in what time it covers the same distance ?

    (i) 36.24 sec (ii) 38.24 sec (iii) 37.24 sec (iv) 40.24 sec (v) 39.24 sec

11. If a train travelling at 15.40 m/sec speed covers 364.36 m distance in a certain time, at what speed should it travel to cover 337.39 m distance in the same time ?

    (i) 13.26 m/sec (ii) 15.26 m/sec (iii) 16.26 m/sec (iv) 14.26 m/sec (v) 12.26 m/sec

12. If a train travelling at 17.16 m/sec speed covers 460.23 m distance in a certain time, how much distance will it cover in the same time at speed 12.54 m/sec?

    (i) 336.32 m (ii) 334.32 m (iii) 338.32 m (iv) 335.32 m (v) 337.32 m

13. A train travels some distance at a speed of 8.42 m/sec for 35.57 sec, some more distance at a speed of 21.38 m/sec for 22.37 sec and the remaining distance at a speed of 13.14 m/sec for 20.85 sec. What is the average speed of the train?

(i) 14.35 m/sec (ii) 12.35 m/sec (iii) 15.35 m/sec (iv) 11.35 m/sec (v) 13.35 m/sec

14. A train travels some distance at a speed of 11.84 m/sec for 41.52 sec, some more distance at a speed of 39.16 m/sec for 12.55 sec and the remaining distance at a speed of 4.48 m/sec for 35.06 sec. What is the total distance covered?

(i) 1141.13 m (ii) 1139.13 m (iii) 1142.13 m (iv) 1138.13 m (v) 1140.13 m

15. A train travels 243.99 m distance at 8.24 m/sec, 166.41 m distance at 8.69 m/sec and 151.00 m distance at 3.10 m/sec. What is the average speed of the train?

(i) 6.76 m/sec (ii) 7.76 m/sec (iii) 4.76 m/sec (iv) 3.76 m/sec (v) 5.76 m/sec

16. A train travels 181.44 m distance at 4.00 m/sec, 265.66 m distance at 5.65 m/sec and 216.90 m distance at 4.50 m/sec. What is the total time travelled by the train?

(i) 141.58 sec (ii) 142.58 sec (iii) 138.58 sec (iv) 139.58 sec (v) 140.58 sec

17. A train travels 210.03 m distance for 49.77 sec, 310.72 m distance for 17.94 sec and 156.43 m distance for 40.42 sec. What is the average speed of the train?

(i) 5.26 m/sec (ii) 6.26 m/sec (iii) 4.26 m/sec (iv) 8.26 m/sec (v) 7.26 m/sec

18. In how much time, a train of length 105.90 m travelling at a speed of 6.72 m/sec will cross a platform of length 490.52 m?

(i) 89.70 sec (ii) 87.70 sec (iii) 86.70 sec (iv) 90.70 sec (v) 88.70 sec

19. In how much time, a train of length 310.29 m travelling at a speed of 9.38 m/sec will cross a pole?

(i) 33.08 sec (ii) 32.08 sec (iii) 35.08 sec (iv) 34.08 sec (v) 31.08 sec

20. In how much time will a train A of length 135.05 m travelling at a speed of 12.39 m/sec will cross another train B of length 112.06 m travelling in the same direction at a speed of 4.33 m/sec?

(i) 30.66 sec (ii) 31.66 sec (iii) 29.66 sec (iv) 28.66 sec (v) 32.66 sec

21. In how much time will a train A of length 503.41 m travelling at a speed of 20.08 m/sec will cross another train B of length 403.93 m travelling in the opposite direction at a speed of 9.84 m/sec?

(i) 32.33 sec (ii) 31.33 sec (iii) 28.33 sec (iv) 29.33 sec (v) 30.33 sec

22. In how much time will a train of length 239.78 m travelling at a speed of 8.32 m/sec crosses a man riding a cycle in the same direction at a speed of 6.99 m/sec?

(i) 182.29 sec (ii) 178.29 sec (iii) 181.29 sec (iv) 179.29 sec (v) 180.29 sec

23. In how much time will a train of length 218.09 m travelling at a speed of 5.21 m/sec crosses a man riding a cycle in the opposite direction at a speed of 4.22 m/sec?

(i) 24.13 sec (ii) 21.13 sec (iii) 22.13 sec (iv) 25.13 sec (v) 23.13 sec

24. A train crosses a telegraph post in 40.24 sec and a bridge 805.61 m long in 82.91 sec. What is the length of the train?

(i) 760.73 m (ii) 761.73 m (iii) 757.73 m (iv) 759.73 m (v) 758.73 m

25. A train crosses a telegraph post in 26.07 sec and a bridge 577.96 m long in 54.14 sec. What is the speed of the train?

(i) 22.59 m/sec (ii) 21.59 m/sec (iii) 18.59 m/sec (iv) 20.59 m/sec (v) 19.59 m/sec

Assignment Key

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