EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Time and Distance

Grade : ICSE Grade VII

1. If the speed of a vehicle is 13.45 m/sec, how much distance will it travel in 35.78 sec?

   (i) 481.24 m (ii) 479.24 m (iii) 480.24 m (iv) 482.24 m (v) 483.24 m

2. If a train covers a certain distance at a speed of 7.62 m/sec in 40.03 sec, what should be the speed to cover the same distance in 27.69 sec?

   (i) 10.02 m/sec (ii) 11.02 m/sec (iii) 9.02 m/sec (iv) 12.02 m/sec (v) 13.02 m/sec

3. A train crosses a telegraph post in 46.81 sec and a bridge 507.52 m long in 62.45 sec. What is the length of the train?

   (i) 1518.98 m (ii) 1516.98 m (iii) 1517.98 m (iv) 1520.98 m (v) 1519.98 m

4. A train travels some distance at a speed of 28.40 m/sec for 11.73 sec, some more distance at a speed of 8.21 m/sec for 46.31 sec and the remaining distance at a speed of 21.05 m/sec for 16.61 sec. What is the total distance covered?

   (i) 1061.98 m (ii) 1062.98 m (iii) 1064.98 m (iv) 1063.98 m (v) 1060.98 m

5. In how much time, a train of length 341.33 m travelling at a speed of 13.89 m/sec will cross a platform of length 457.11 m?

   (i) 58.47 sec (ii) 56.47 sec (iii) 59.47 sec (iv) 57.47 sec (v) 55.47 sec

6. If a train travelling at 11.76 m/sec speed covers 492.63 m distance in a certain time, at what speed should it travel to cover 366.96 m distance in the same time ?

   (i) 7.76 m/sec (ii) 10.76 m/sec (iii) 8.76 m/sec (iv) 9.76 m/sec (v) 6.76 m/sec

7. If the speed of a vehicle is 8.03 kmph, how much time will it take to travel 352.20 km?

   (i) 44.86 hr (ii) 41.86 hr (iii) 42.86 hr (iv) 45.86 hr (v) 43.86 hr

8. In how much time, a train of length 389.33 m travelling at a speed of 8.51 m/sec will cross a pole?

   (i) 43.75 sec (ii) 47.75 sec (iii) 44.75 sec (iv) 45.75 sec (v) 46.75 sec

9. If the speed of a vehicle is 7.04 kmph, how much distance will it travel in 16.41 hr?

   (i) 115.53 km (ii) 116.53 km (iii) 114.53 km (iv) 117.53 km (v) 113.53 km

10. If a train travels 266.61 m in 49.74 sec, what time it takes to travel 449.80 m?

    (i) 81.92 sec (ii) 84.92 sec (iii) 82.92 sec (iv) 83.92 sec (v) 85.92 sec

11. If a train travelling at 9.48 m/sec speed covers 161.73 m distance in a certain time, how much distance will it cover in the same time at speed 11.35 m/sec?

    (i) 195.63 m (ii) 191.63 m (iii) 192.63 m (iv) 193.63 m (v) 194.63 m

12. If a vehicle travels 438.68 km in 21.42 hr, what is the speed of the vehicle?

    (i) 22.48 kmph (ii) 18.48 kmph (iii) 20.48 kmph (iv) 21.48 kmph (v) 19.48 kmph

13. In how much time will a train of length 141.06 m travelling at a speed of 11.44 m/sec crosses a man riding a cycle in the same direction at a speed of 10.49 m/sec?

(i) 147.48 sec (ii) 150.48 sec (iii) 148.48 sec (iv) 146.48 sec (v) 149.48 sec

14. If a vehicle travels 219.76 m in 15.89 sec, what is the speed of the vehicle?

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

15. A train covers a certain distance at a speed of 8.69 m/sec in 18.13 sec. If it travels at 5.24 m/sec, in what time it covers the same distance ?

(i) 31.07 sec (ii) 29.07 sec (iii) 32.07 sec (iv) 28.07 sec (v) 30.07 sec

16. If the speed of a vehicle is 31.85 m/sec, how much time will it take to travel 436.98 m?

(i) 11.72 sec (ii) 15.72 sec (iii) 12.72 sec (iv) 13.72 sec (v) 14.72 sec

17. In how much time will a train of length 293.05 m travelling at a speed of 12.78 m/sec crosses a man riding a cycle in the opposite direction at a speed of 4.94 m/sec?

(i) 15.54 sec (ii) 14.54 sec (iii) 17.54 sec (iv) 18.54 sec (v) 16.54 sec

18. A train travels 393.01 m distance for 39.38 sec, 308.88 m distance for 45.49 sec and 247.26 m distance for 32.88 sec. What is the average speed of the train?

(i) 10.06 m/sec (ii) 7.06 m/sec (iii) 9.06 m/sec (iv) 8.06 m/sec (v) 6.06 m/sec

19. A train travels 307.20 m distance at 11.45 m/sec, 348.42 m distance at 8.95 m/sec and 508.52 m distance at 10.76 m/sec. What is the average speed of the train?

(i) 8.30 m/sec (ii) 9.30 m/sec (iii) 12.30 m/sec (iv) 11.30 m/sec (v) 10.30 m/sec

20. A train travels some distance at a speed of 10.90 m/sec for 41.65 sec, some more distance at a speed of 12.39 m/sec for 38.63 sec and the remaining distance at a speed of 25.17 m/sec for 11.44 sec. What is the average speed of the train?

(i) 11.31 m/sec (ii) 15.31 m/sec (iii) 13.31 m/sec (iv) 14.31 m/sec (v) 12.31 m/sec

21. In how much time will a train A of length 313.53 m travelling at a speed of 10.56 m/sec will cross another train B of length 328.88 m travelling in the opposite direction at a speed of 7.62 m/sec?

(i) 34.34 sec (ii) 35.34 sec (iii) 36.34 sec (iv) 37.34 sec (v) 33.34 sec

22. In how much time will a train A of length 462.20 m travelling at a speed of 9.40 m/sec will cross another train B of length 256.46 m travelling in the same direction at a speed of 6.03 m/sec?

(i) 213.25 sec (ii) 211.25 sec (iii) 214.25 sec (iv) 215.25 sec (v) 212.25 sec

23. If a train travels 249.50 m in 46.29 sec, how much distance it covers in 26.67 sec?

(i) 141.75 m (ii) 142.75 m (iii) 144.75 m (iv) 145.75 m (v) 143.75 m

24. A train crosses a telegraph post in 34.72 sec and a bridge 1230.24 m long in 64.58 sec. What is the speed of the train?

(i) 42.20 m/sec (ii) 41.20 m/sec (iii) 43.20 m/sec (iv) 40.20 m/sec (v) 39.20 m/sec

25. A train travels 311.29 m distance at 16.70 m/sec, 299.76 m distance at 7.69 m/sec and 290.82 m distance at 17.82 m/sec. What is the total time travelled by the train?

(i) 72.94 sec (ii) 74.94 sec (iii) 73.94 sec (iv) 71.94 sec (v) 75.94 sec

Assignment Key

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