EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Time and Distance

Grade : ICSE Grade VII

1. A train travels 151.91 m distance for 27.52 sec, 126.09 m distance for 18.09 sec and 251.19 m distance for 14.89 sec. What is the average speed of the train?

   (i) 9.75 m/sec (ii) 6.75 m/sec (iii) 10.75 m/sec (iv) 7.75 m/sec (v) 8.75 m/sec

2. If a train covers a certain distance at a speed of 4.60 m/sec in 43.73 sec, what should be the speed to cover the same distance in 13.28 sec?

   (i) 16.15 m/sec (ii) 17.15 m/sec (iii) 13.15 m/sec (iv) 14.15 m/sec (v) 15.15 m/sec

3. A train travels some distance at a speed of 27.21 m/sec for 13.53 sec, some more distance at a speed of 30.52 m/sec for 12.61 sec and the remaining distance at a speed of 3.47 m/sec for 34.61 sec. What is the average speed of the train?

   (i) 14.37 m/sec (ii) 15.37 m/sec (iii) 13.37 m/sec (iv) 12.37 m/sec (v) 16.37 m/sec

4. If the speed of a vehicle is 5.17 m/sec, how much distance will it travel in 31.51 sec?

   (i) 162.91 m (ii) 160.91 m (iii) 164.91 m (iv) 161.91 m (v) 163.91 m

5. A train travels 404.81 m distance at 38.19 m/sec, 317.09 m distance at 7.81 m/sec and 205.57 m distance at 4.98 m/sec. What is the total time travelled by the train?

   (i) 92.48 sec (ii) 94.48 sec (iii) 91.48 sec (iv) 90.48 sec (v) 93.48 sec

6. A train covers a certain distance at a speed of 10.58 m/sec in 22.12 sec. If it travels at 4.96 m/sec, in what time it covers the same distance ?

   (i) 45.21 sec (ii) 46.21 sec (iii) 47.21 sec (iv) 49.21 sec (v) 48.21 sec

7. If a train travels 171.06 m in 12.93 sec, what time it takes to travel 410.90 m?

   (i) 32.06 sec (ii) 30.06 sec (iii) 29.06 sec (iv) 33.06 sec (v) 31.06 sec

8. If a train travelling at 4.99 m/sec speed covers 174.80 m distance in a certain time, how much distance will it cover in the same time at speed 13.90 m/sec?

   (i) 484.92 m (ii) 486.92 m (iii) 485.92 m (iv) 487.92 m (v) 488.92 m

9. A train crosses a telegraph post in 17.92 sec and a bridge 244.82 m long in 38.12 sec. What is the length of the train?

   (i) 215.19 m (ii) 219.19 m (iii) 216.19 m (iv) 217.19 m (v) 218.19 m

10. If a vehicle travels 391.03 m in 11.81 sec, what is the speed of the vehicle?

    (i) 33.11 m/sec (ii) 35.11 m/sec (iii) 32.11 m/sec (iv) 31.11 m/sec (v) 34.11 m/sec

11. In how much time will a train A of length 456.44 m travelling at a speed of 18.39 m/sec will cross another train B of length 297.10 m travelling in the opposite direction at a speed of 10.41 m/sec?

    (i) 25.16 sec (ii) 28.16 sec (iii) 26.16 sec (iv) 27.16 sec (v) 24.16 sec

12. A train travels some distance at a speed of 7.34 m/sec for 29.28 sec, some more distance at a speed of 33.64 m/sec for 12.94 sec and the remaining distance at a speed of 12.99 m/sec for 28.46 sec. What is the total distance covered?

(i) 1018.92 m (ii) 1020.92 m (iii) 1021.92 m (iv) 1019.92 m (v) 1017.92 m

13. If a train travelling at 7.97 m/sec speed covers 300.23 m distance in a certain time, at what speed should it travel to cover 462.21 m distance in the same time ?

(i) 14.27 m/sec (ii) 13.27 m/sec (iii) 12.27 m/sec (iv) 10.27 m/sec (v) 11.27 m/sec

14. In how much time, a train of length 120.74 m travelling at a speed of 11.61 m/sec will cross a platform of length 429.67 m?

(i) 47.42 sec (ii) 48.42 sec (iii) 46.42 sec (iv) 45.42 sec (v) 49.42 sec

15. If the speed of a vehicle is 10.01 kmph, how much distance will it travel in 30.46 hr?

(i) 303.90 km (ii) 304.90 km (iii) 305.90 km (iv) 302.90 km (v) 306.90 km

16. In how much time, a train of length 285.25 m travelling at a speed of 9.07 m/sec will cross a pole?

(i) 32.45 sec (ii) 33.45 sec (iii) 30.45 sec (iv) 29.45 sec (v) 31.45 sec

17. A train crosses a telegraph post in 36.12 sec and a bridge 1365.66 m long in 65.47 sec. What is the speed of the train?

(i) 47.53 m/sec (ii) 46.53 m/sec (iii) 44.53 m/sec (iv) 45.53 m/sec (v) 48.53 m/sec

18. If a vehicle travels 145.43 km in 41.67 hr, what is the speed of the vehicle?

(i) 1.49 kmph (ii) 4.49 kmph (iii) 2.49 kmph (iv) 5.49 kmph (v) 3.49 kmph

19. In how much time will a train A of length 347.58 m travelling at a speed of 23.39 m/sec will cross another train B of length 303.85 m travelling in the same direction at a speed of 20.42 m/sec?

(i) 217.34 sec (ii) 219.34 sec (iii) 218.34 sec (iv) 220.34 sec (v) 221.34 sec

20. If the speed of a vehicle is 13.05 m/sec, how much time will it take to travel 436.65 m?

(i) 33.46 sec (ii) 35.46 sec (iii) 32.46 sec (iv) 34.46 sec (v) 31.46 sec

21. If a train travels 488.41 m in 22.04 sec, how much distance it covers in 23.24 sec?

(i) 517.00 m (ii) 516.00 m (iii) 515.00 m (iv) 513.00 m (v) 514.00 m

22. If the speed of a vehicle is 2.77 kmph, how much time will it take to travel 115.62 km?

(i) 41.74 hr (ii) 42.74 hr (iii) 40.74 hr (iv) 39.74 hr (v) 43.74 hr

23. In how much time will a train of length 365.51 m travelling at a speed of 19.37 m/sec crosses a man riding a cycle in the opposite direction at a speed of 9.49 m/sec?

(i) 13.66 sec (ii) 10.66 sec (iii) 12.66 sec (iv) 14.66 sec (v) 11.66 sec

24. A train travels 320.49 m distance at 9.22 m/sec, 187.72 m distance at 5.50 m/sec and 437.71 m distance at 34.01 m/sec. What is the average speed of the train?

(i) 12.57 m/sec (ii) 13.57 m/sec (iii) 9.57 m/sec (iv) 11.57 m/sec (v) 10.57 m/sec

25. In how much time will a train of length 211.27 m travelling at a speed of 13.71 m/sec crosses a man riding a cycle in the same direction at a speed of 10.81 m/sec?

(i) 72.85 sec (ii) 74.85 sec (iii) 73.85 sec (iv) 71.85 sec (v) 70.85 sec

Assignment Key

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