EduSahara™ Assignment

Name : Time and Distance

Chapter : Time and Distance

Grade : ICSE Grade VII

1. If the speed of a vehicle is 5.49 kmph, how much distance will it travel in 30.76 hr?

   (i) 170.87 km (ii) 168.87 km (iii) 166.87 km (iv) 169.87 km (v) 167.87 km

2. If the speed of a vehicle is 4.23 m/sec, how much distance will it travel in 42.76 sec?

   (i) 182.87 m (ii) 178.87 m (iii) 180.87 m (iv) 179.87 m (v) 181.87 m

3. If a vehicle travels 390.18 km in 13.95 hr, what is the speed of the vehicle?

   (i) 27.97 kmph (ii) 28.97 kmph (iii) 26.97 kmph (iv) 29.97 kmph (v) 25.97 kmph

4. If a vehicle travels 456.18 m in 19.68 sec, what is the speed of the vehicle?

   (i) 23.18 m/sec (ii) 25.18 m/sec (iii) 24.18 m/sec (iv) 21.18 m/sec (v) 22.18 m/sec

5. If the speed of a vehicle is 17.79 kmph, how much time will it take to travel 446.71 km?

   (i) 25.11 hr (ii) 24.11 hr (iii) 27.11 hr (iv) 26.11 hr (v) 23.11 hr

6. If the speed of a vehicle is 3.72 m/sec, how much time will it take to travel 176.63 m?

   (i) 46.48 sec (ii) 45.48 sec (iii) 49.48 sec (iv) 48.48 sec (v) 47.48 sec

7. If a train travels 202.60 m in 21.06 sec, how much distance it covers in 45.50 sec?

   (i) 435.71 m (ii) 438.71 m (iii) 439.71 m (iv) 436.71 m (v) 437.71 m

8. If a train travels 377.32 m in 19.31 sec, what time it takes to travel 161.80 m?

   (i) 10.28 sec (ii) 6.28 sec (iii) 9.28 sec (iv) 8.28 sec (v) 7.28 sec

9. If a train covers a certain distance at a speed of 12.88 m/sec in 32.45 sec, what should be the speed to cover the same distance in 24.82 sec?

   (i) 18.84 m/sec (ii) 17.84 m/sec (iii) 14.84 m/sec (iv) 15.84 m/sec (v) 16.84 m/sec

10. A train covers a certain distance at a speed of 9.25 m/sec in 24.43 sec. If it travels at 6.14 m/sec, in what time it covers the same distance ?

    (i) 38.79 sec (ii) 35.79 sec (iii) 36.79 sec (iv) 34.79 sec (v) 37.79 sec

11. If a train travelling at 8.99 m/sec speed covers 260.17 m distance in a certain time, at what speed should it travel to cover 341.49 m distance in the same time ?

    (i) 11.80 m/sec (ii) 13.80 m/sec (iii) 10.80 m/sec (iv) 12.80 m/sec (v) 9.80 m/sec

12. If a train travelling at 21.39 m/sec speed covers 476.14 m distance in a certain time, how much distance will it cover in the same time at speed 8.56 m/sec?

    (i) 192.55 m (ii) 190.55 m (iii) 188.55 m (iv) 191.55 m (v) 189.55 m

13. A train travels some distance at a speed of 9.66 m/sec for 38.30 sec, some more distance at a speed of 11.90 m/sec for 24.47 sec and the remaining distance at a speed of 10.16 m/sec for 31.89 sec. What is the average speed of the train?

(i) 9.41 m/sec (ii) 8.41 m/sec (iii) 11.41 m/sec (iv) 10.41 m/sec (v) 12.41 m/sec

14. A train travels some distance at a speed of 25.37 m/sec for 14.82 sec, some more distance at a speed of 17.25 m/sec for 25.35 sec and the remaining distance at a speed of 8.27 m/sec for 46.94 sec. What is the total distance covered?

(i) 1199.46 m (ii) 1200.46 m (iii) 1201.46 m (iv) 1202.46 m (v) 1203.46 m

15. A train travels 189.00 m distance at 4.63 m/sec, 251.24 m distance at 16.23 m/sec and 309.44 m distance at 6.31 m/sec. What is the average speed of the train?

(i) 9.12 m/sec (ii) 6.12 m/sec (iii) 5.12 m/sec (iv) 8.12 m/sec (v) 7.12 m/sec

16. A train travels 142.18 m distance at 3.85 m/sec, 426.75 m distance at 19.54 m/sec and 384.18 m distance at 10.01 m/sec. What is the total time travelled by the train?

(i) 99.15 sec (ii) 95.15 sec (iii) 96.15 sec (iv) 98.15 sec (v) 97.15 sec

17. A train travels 359.24 m distance for 50.74 sec, 173.95 m distance for 24.50 sec and 250.25 m distance for 39.41 sec. What is the average speed of the train?

(i) 6.83 m/sec (ii) 7.83 m/sec (iii) 5.83 m/sec (iv) 4.83 m/sec (v) 8.83 m/sec

18. In how much time, a train of length 510.01 m travelling at a speed of 7.20 m/sec will cross a platform of length 112.87 m?

(i) 86.46 sec (ii) 88.46 sec (iii) 87.46 sec (iv) 85.46 sec (v) 84.46 sec

19. In how much time, a train of length 386.13 m travelling at a speed of 14.28 m/sec will cross a pole?

(i) 27.04 sec (ii) 26.04 sec (iii) 28.04 sec (iv) 25.04 sec (v) 29.04 sec

20. In how much time will a train A of length 430.27 m travelling at a speed of 20.45 m/sec will cross another train B of length 105.35 m travelling in the same direction at a speed of 2.96 m/sec?

(i) 32.62 sec (ii) 29.62 sec (iii) 30.62 sec (iv) 31.62 sec (v) 28.62 sec

21. In how much time will a train A of length 227.81 m travelling at a speed of 8.59 m/sec will cross another train B of length 255.78 m travelling in the opposite direction at a speed of 7.59 m/sec?

(i) 30.89 sec (ii) 31.89 sec (iii) 28.89 sec (iv) 29.89 sec (v) 27.89 sec

22. In how much time will a train of length 403.71 m travelling at a speed of 10.87 m/sec crosses a man riding a cycle in the same direction at a speed of 9.14 m/sec?

(i) 234.36 sec (ii) 233.36 sec (iii) 235.36 sec (iv) 231.36 sec (v) 232.36 sec

23. In how much time will a train of length 256.02 m travelling at a speed of 15.23 m/sec crosses a man riding a cycle in the opposite direction at a speed of 3.62 m/sec?

(i) 15.58 sec (ii) 14.58 sec (iii) 12.58 sec (iv) 11.58 sec (v) 13.58 sec

24. A train crosses a telegraph post in 41.04 sec and a bridge 1496.52 m long in 71.23 sec. What is the length of the train?

(i) 2036.35 m (ii) 2032.35 m (iii) 2035.35 m (iv) 2034.35 m (v) 2033.35 m

25. A train crosses a telegraph post in 31.45 sec and a bridge 1864.76 m long in 69.78 sec. What is the speed of the train?

(i) 50.65 m/sec (ii) 49.65 m/sec (iii) 46.65 m/sec (iv) 48.65 m/sec (v) 47.65 m/sec

Assignment Key

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