EduSahara™ Assignment

Name : Time and Distance

Chapter : Time and Distance

Grade : ICSE Grade VII

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1. If the speed of a vehicle is 9.06 kmph, how much distance will it travel in 43.25 hr?

   (i) 391.85 km (ii) 389.85 km (iii) 393.85 km (iv) 390.85 km (v) 392.85 km

2. If the speed of a vehicle is 14.80 m/sec, how much distance will it travel in 25.51 sec?

   (i) 377.55 m (ii) 376.55 m (iii) 375.55 m (iv) 379.55 m (v) 378.55 m

3. If a vehicle travels 335.04 km in 13.18 hr, what is the speed of the vehicle?

   (i) 24.42 kmph (ii) 25.42 kmph (iii) 27.42 kmph (iv) 26.42 kmph (v) 23.42 kmph

4. If a vehicle travels 154.21 m in 42.02 sec, what is the speed of the vehicle?

   (i) 4.67 m/sec (ii) 3.67 m/sec (iii) 5.67 m/sec (iv) 1.67 m/sec (v) 2.67 m/sec

5. If the speed of a vehicle is 7.39 kmph, how much time will it take to travel 245.94 km?

   (i) 34.28 hr (ii) 35.28 hr (iii) 33.28 hr (iv) 31.28 hr (v) 32.28 hr

6. If the speed of a vehicle is 8.18 m/sec, how much time will it take to travel 413.66 m?

   (i) 50.57 sec (ii) 49.57 sec (iii) 51.57 sec (iv) 52.57 sec (v) 48.57 sec

7. If a train travels 279.01 m in 15.23 sec, how much distance it covers in 38.94 sec?

   (i) 715.38 m (ii) 713.38 m (iii) 711.38 m (iv) 714.38 m (v) 712.38 m

8. If a train travels 409.52 m in 30.29 sec, what time it takes to travel 487.10 m?

   (i) 36.03 sec (ii) 37.03 sec (iii) 38.03 sec (iv) 35.03 sec (v) 34.03 sec

9. If a train covers a certain distance at a speed of 21.21 m/sec in 18.75 sec, what should be the speed to cover the same distance in 24.48 sec?

   (i) 17.25 m/sec (ii) 15.25 m/sec (iii) 16.25 m/sec (iv) 18.25 m/sec (v) 14.25 m/sec

10. A train covers a certain distance at a speed of 7.15 m/sec in 33.96 sec. If it travels at 13.31 m/sec, in what time it covers the same distance ?

    (i) 16.24 sec (ii) 18.24 sec (iii) 20.24 sec (iv) 19.24 sec (v) 17.24 sec

11. If a train travelling at 10.76 m/sec speed covers 374.99 m distance in a certain time, at what speed should it travel to cover 300.76 m distance in the same time ?

    (i) 10.63 m/sec (ii) 7.63 m/sec (iii) 9.63 m/sec (iv) 6.63 m/sec (v) 8.63 m/sec

12. If a train travelling at 29.11 m/sec speed covers 466.34 m distance in a certain time, how much distance will it cover in the same time at speed 16.07 m/sec?

    (i) 255.44 m (ii) 256.44 m (iii) 259.44 m (iv) 257.44 m (v) 258.44 m

13. A train travels some distance at a speed of 5.13 m/sec for 46.99 sec, some more distance at a speed of 10.25 m/sec for 12.95 sec and the remaining distance at a speed of 16.54 m/sec for 27.68 sec. What is the average speed of the train?

(i) 9.49 m/sec (ii) 7.49 m/sec (iii) 8.49 m/sec (iv) 10.49 m/sec (v) 11.49 m/sec

14. A train travels some distance at a speed of 7.66 m/sec for 37.72 sec, some more distance at a speed of 12.94 m/sec for 37.13 sec and the remaining distance at a speed of 3.42 m/sec for 43.48 sec. What is the total distance covered?

(i) 920.10 m (ii) 918.10 m (iii) 917.10 m (iv) 919.10 m (v) 916.10 m

15. A train travels 169.25 m distance at 4.44 m/sec, 204.92 m distance at 5.82 m/sec and 464.33 m distance at 13.15 m/sec. What is the average speed of the train?

(i) 5.72 m/sec (ii) 7.72 m/sec (iii) 9.72 m/sec (iv) 6.72 m/sec (v) 8.72 m/sec

16. A train travels 259.01 m distance at 12.03 m/sec, 314.67 m distance at 6.32 m/sec and 417.19 m distance at 8.92 m/sec. What is the total time travelled by the train?

(i) 117.09 sec (ii) 118.09 sec (iii) 119.09 sec (iv) 116.09 sec (v) 120.09 sec

17. A train travels 328.63 m distance for 28.16 sec, 443.75 m distance for 38.32 sec and 507.04 m distance for 18.18 sec. What is the average speed of the train?

(i) 17.11 m/sec (ii) 15.11 m/sec (iii) 13.11 m/sec (iv) 14.11 m/sec (v) 16.11 m/sec

18. In how much time, a train of length 288.21 m travelling at a speed of 9.91 m/sec will cross a platform of length 442.14 m?

(i) 75.67 sec (ii) 74.67 sec (iii) 72.67 sec (iv) 73.67 sec (v) 71.67 sec

19. In how much time, a train of length 117.82 m travelling at a speed of 3.33 m/sec will cross a pole?

(i) 37.38 sec (ii) 34.38 sec (iii) 35.38 sec (iv) 36.38 sec (v) 33.38 sec

20. In how much time will a train A of length 131.46 m travelling at a speed of 9.37 m/sec will cross another train B of length 126.15 m travelling in the same direction at a speed of 8.16 m/sec?

(i) 210.90 sec (ii) 213.90 sec (iii) 212.90 sec (iv) 214.90 sec (v) 211.90 sec

21. In how much time will a train A of length 493.20 m travelling at a speed of 11.85 m/sec will cross another train B of length 353.44 m travelling in the opposite direction at a speed of 9.75 m/sec?

(i) 41.20 sec (ii) 40.20 sec (iii) 39.20 sec (iv) 37.20 sec (v) 38.20 sec

22. In how much time will a train of length 502.57 m travelling at a speed of 13.25 m/sec crosses a man riding a cycle in the same direction at a speed of 3.41 m/sec?

(i) 52.07 sec (ii) 53.07 sec (iii) 50.07 sec (iv) 49.07 sec (v) 51.07 sec

23. In how much time will a train of length 462.40 m travelling at a speed of 22.88 m/sec crosses a man riding a cycle in the opposite direction at a speed of 11.05 m/sec?

(i) 12.63 sec (ii) 13.63 sec (iii) 15.63 sec (iv) 11.63 sec (v) 14.63 sec

24. A train crosses a telegraph post in 30.36 sec and a bridge 692.19 m long in 55.54 sec. What is the length of the train?

(i) 835.60 m (ii) 833.60 m (iii) 834.60 m (iv) 832.60 m (v) 836.60 m

25. A train crosses a telegraph post in 36.78 sec and a bridge 873.23 m long in 74.29 sec. What is the speed of the train?

(i) 25.28 m/sec (ii) 24.28 m/sec (iii) 23.28 m/sec (iv) 22.28 m/sec (v) 21.28 m/sec

Assignment Key

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

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