EduSahara™ Assignment

Name : Computation Problems

Chapter : Direct and Inverse Proportions

Grade : SSC Grade VIII

1. If the speed of a vehicle is 11.94 kmph, how much distance will it travel in 39.20 hr?

   (i) 468.05 km (ii) 466.05 km (iii) 470.05 km (iv) 467.05 km (v) 469.05 km

2. If the speed of a vehicle is 16.85 m/sec, how much distance will it travel in 20.93 sec?

   (i) 354.67 m (ii) 351.67 m (iii) 350.67 m (iv) 353.67 m (v) 352.67 m

3. If a vehicle travels 319.32 km in 24.45 hr, what is the speed of the vehicle?

   (i) 13.06 kmph (ii) 11.06 kmph (iii) 14.06 kmph (iv) 12.06 kmph (v) 15.06 kmph

4. If a vehicle travels 271.56 m in 48.93 sec, what is the speed of the vehicle?

   (i) 5.55 m/sec (ii) 4.55 m/sec (iii) 6.55 m/sec (iv) 7.55 m/sec (v) 3.55 m/sec

5. If the speed of a vehicle is 7.29 kmph, how much time will it take to travel 361.15 km?

   (i) 49.54 hr (ii) 51.54 hr (iii) 47.54 hr (iv) 48.54 hr (v) 50.54 hr

6. If the speed of a vehicle is 19.03 m/sec, how much time will it take to travel 200.77 m?

   (i) 12.55 sec (ii) 8.55 sec (iii) 11.55 sec (iv) 10.55 sec (v) 9.55 sec

7. If a train travels 146.90 m in 33.31 sec, how much distance it covers in 26.57 sec?

   (i) 117.17 m (ii) 115.17 m (iii) 118.17 m (iv) 116.17 m (v) 119.17 m

8. If a train travels 349.98 m in 38.93 sec, what time it takes to travel 350.70 m?

   (i) 38.01 sec (ii) 40.01 sec (iii) 39.01 sec (iv) 41.01 sec (v) 37.01 sec

9. If a train covers a certain distance at a speed of 14.96 m/sec in 27.38 sec, what should be the speed to cover the same distance in 10.39 sec?

   (i) 40.42 m/sec (ii) 41.42 m/sec (iii) 37.42 m/sec (iv) 39.42 m/sec (v) 38.42 m/sec

10. A train covers a certain distance at a speed of 21.79 m/sec in 20.35 sec. If it travels at 13.33 m/sec, in what time it covers the same distance ?

    (i) 32.26 sec (ii) 34.26 sec (iii) 31.26 sec (iv) 33.26 sec (v) 35.26 sec

11. If a train travelling at 26.65 m/sec speed covers 436.53 m distance in a certain time, at what speed should it travel to cover 137.76 m distance in the same time ?

    (i) 9.41 m/sec (ii) 6.41 m/sec (iii) 10.41 m/sec (iv) 7.41 m/sec (v) 8.41 m/sec

12. If a train travelling at 13.47 m/sec speed covers 450.84 m distance in a certain time, how much distance will it cover in the same time at speed 12.36 m/sec?

    (i) 411.69 m (ii) 415.69 m (iii) 414.69 m (iv) 413.69 m (v) 412.69 m

13. A train travels some distance at a speed of 15.55 m/sec for 10.77 sec, some more distance at a speed of 9.16 m/sec for 45.11 sec and the remaining distance at a speed of 6.79 m/sec for 37.07 sec. What is the average speed of the train?

(i) 8.96 m/sec (ii) 6.96 m/sec (iii) 7.96 m/sec (iv) 10.96 m/sec (v) 9.96 m/sec

14. A train travels some distance at a speed of 17.94 m/sec for 27.01 sec, some more distance at a speed of 3.10 m/sec for 42.33 sec and the remaining distance at a speed of 5.36 m/sec for 39.68 sec. What is the total distance covered?

(i) 830.46 m (ii) 829.46 m (iii) 828.46 m (iv) 826.46 m (v) 827.46 m

15. A train travels 375.99 m distance at 25.56 m/sec, 452.82 m distance at 30.35 m/sec and 231.22 m distance at 10.68 m/sec. What is the average speed of the train?

(i) 22.67 m/sec (ii) 18.67 m/sec (iii) 20.67 m/sec (iv) 19.67 m/sec (v) 21.67 m/sec

16. A train travels 124.52 m distance at 3.60 m/sec, 255.97 m distance at 21.26 m/sec and 235.81 m distance at 5.16 m/sec. What is the total time travelled by the train?

(i) 90.33 sec (ii) 92.33 sec (iii) 91.33 sec (iv) 94.33 sec (v) 93.33 sec

17. A train travels 351.52 m distance for 26.55 sec, 428.94 m distance for 45.68 sec and 313.19 m distance for 44.55 sec. What is the average speed of the train?

(i) 11.37 m/sec (ii) 10.37 m/sec (iii) 7.37 m/sec (iv) 8.37 m/sec (v) 9.37 m/sec

18. In how much time, a train of length 474.09 m travelling at a speed of 10.67 m/sec will cross a platform of length 386.44 m?

(i) 78.62 sec (ii) 79.62 sec (iii) 80.62 sec (iv) 82.62 sec (v) 81.62 sec

19. In how much time, a train of length 246.98 m travelling at a speed of 5.02 m/sec will cross a pole?

(i) 47.20 sec (ii) 50.20 sec (iii) 48.20 sec (iv) 49.20 sec (v) 51.20 sec

20. A student walks from his house to school at 3.52 kmph and arrives 5.40 min late. The next day he walks at 12.33 kmph and reaches the school 26.60 min before time. What is the distance from his house to school?

(i) 2.63 km (ii) 4.63 km (iii) 1.63 km (iv) 0.63 km (v) 3.63 km

21. A student walks from his house to school at 5.49 kmph and arrives 6.80 min late. The next day he walks at 15.18 kmph and reaches the school 25.50 min before time. At what speed must he travel to reach the school on time?

(i) 4.34 kmph (ii) 5.34 kmph (iii) 7.34 kmph (iv) 8.34 kmph (v) 6.34 kmph

22. A train crosses a telegraph post in 48.80 sec and a bridge 774.08 m long in 93.39 sec. What is the length of the train?

(i) 849.17 m (ii) 846.17 m (iii) 845.17 m (iv) 848.17 m (v) 847.17 m

23. A train crosses a telegraph post in 37.71 sec and a bridge 726.15 m long in 80.15 sec. What is the speed of the train?

(i) 17.11 m/sec (ii) 15.11 m/sec (iii) 16.11 m/sec (iv) 18.11 m/sec (v) 19.11 m/sec

Assignment Key

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