EduSahara™ Assignment

Name : Computation Problems

Chapter : Direct and Inverse Proportions

Grade : SSC Grade VIII

1. If the speed of a vehicle is 10.59 kmph, how much distance will it travel in 33.29 hr?

   (i) 350.54 km (ii) 351.54 km (iii) 353.54 km (iv) 354.54 km (v) 352.54 km

2. If the speed of a vehicle is 5.86 m/sec, how much distance will it travel in 17.59 sec?

   (i) 103.08 m (ii) 101.08 m (iii) 105.08 m (iv) 104.08 m (v) 102.08 m

3. If a vehicle travels 146.92 km in 11.81 hr, what is the speed of the vehicle?

   (i) 13.44 kmph (ii) 10.44 kmph (iii) 12.44 kmph (iv) 11.44 kmph (v) 14.44 kmph

4. If a vehicle travels 264.72 m in 45.72 sec, what is the speed of the vehicle?

   (i) 4.79 m/sec (ii) 3.79 m/sec (iii) 6.79 m/sec (iv) 7.79 m/sec (v) 5.79 m/sec

5. If the speed of a vehicle is 6.52 kmph, how much time will it take to travel 269.60 km?

   (i) 40.35 hr (ii) 41.35 hr (iii) 42.35 hr (iv) 43.35 hr (v) 39.35 hr

6. If the speed of a vehicle is 4.64 m/sec, how much time will it take to travel 190.38 m?

   (i) 41.03 sec (ii) 42.03 sec (iii) 43.03 sec (iv) 39.03 sec (v) 40.03 sec

7. If a train travels 449.30 m in 13.36 sec, how much distance it covers in 38.15 sec?

   (i) 1283.98 m (ii) 1284.98 m (iii) 1282.98 m (iv) 1281.98 m (v) 1280.98 m

8. If a train travels 508.86 m in 19.13 sec, what time it takes to travel 298.00 m?

   (i) 11.20 sec (ii) 12.20 sec (iii) 10.20 sec (iv) 9.20 sec (v) 13.20 sec

9. If a train covers a certain distance at a speed of 5.57 m/sec in 46.45 sec, what should be the speed to cover the same distance in 39.81 sec?

   (i) 6.50 m/sec (ii) 4.50 m/sec (iii) 5.50 m/sec (iv) 7.50 m/sec (v) 8.50 m/sec

10. A train covers a certain distance at a speed of 15.14 m/sec in 21.22 sec. If it travels at 14.84 m/sec, in what time it covers the same distance ?

    (i) 21.65 sec (ii) 19.65 sec (iii) 22.65 sec (iv) 20.65 sec (v) 23.65 sec

11. If a train travelling at 8.79 m/sec speed covers 282.77 m distance in a certain time, at what speed should it travel to cover 407.59 m distance in the same time ?

    (i) 14.67 m/sec (ii) 12.67 m/sec (iii) 10.67 m/sec (iv) 13.67 m/sec (v) 11.67 m/sec

12. If a train travelling at 6.96 m/sec speed covers 327.82 m distance in a certain time, how much distance will it cover in the same time at speed 4.48 m/sec?

    (i) 209.01 m (ii) 212.01 m (iii) 210.01 m (iv) 211.01 m (v) 213.01 m

13. A train travels some distance at a speed of 8.77 m/sec for 50.87 sec, some more distance at a speed of 13.63 m/sec for 26.29 sec and the remaining distance at a speed of 25.96 m/sec for 19.22 sec. What is the average speed of the train?

(i) 13.52 m/sec (ii) 11.52 m/sec (iii) 14.52 m/sec (iv) 12.52 m/sec (v) 15.52 m/sec

14. A train travels some distance at a speed of 12.29 m/sec for 20.49 sec, some more distance at a speed of 11.62 m/sec for 29.19 sec and the remaining distance at a speed of 10.50 m/sec for 35.22 sec. What is the total distance covered?

(i) 962.82 m (ii) 959.82 m (iii) 960.82 m (iv) 961.82 m (v) 958.82 m

15. A train travels 213.84 m distance at 7.42 m/sec, 287.06 m distance at 14.36 m/sec and 174.96 m distance at 6.36 m/sec. What is the average speed of the train?

(i) 7.86 m/sec (ii) 8.86 m/sec (iii) 6.86 m/sec (iv) 10.86 m/sec (v) 9.86 m/sec

16. A train travels 138.16 m distance at 5.95 m/sec, 152.16 m distance at 3.18 m/sec and 190.71 m distance at 7.92 m/sec. What is the total time travelled by the train?

(i) 93.15 sec (ii) 96.15 sec (iii) 95.15 sec (iv) 94.15 sec (v) 97.15 sec

17. A train travels 131.74 m distance for 45.27 sec, 439.51 m distance for 12.44 sec and 233.21 m distance for 29.86 sec. What is the average speed of the train?

(i) 8.19 m/sec (ii) 10.19 m/sec (iii) 11.19 m/sec (iv) 7.19 m/sec (v) 9.19 m/sec

18. In how much time, a train of length 127.65 m travelling at a speed of 7.48 m/sec will cross a platform of length 230.50 m?

(i) 45.91 sec (ii) 46.91 sec (iii) 49.91 sec (iv) 47.91 sec (v) 48.91 sec

19. In how much time, a train of length 219.54 m travelling at a speed of 5.33 m/sec will cross a pole?

(i) 40.19 sec (ii) 39.19 sec (iii) 43.19 sec (iv) 41.19 sec (v) 42.19 sec

20. A student walks from his house to school at 8.06 kmph and arrives 6.90 min late. The next day he walks at 20.86 kmph and reaches the school 17.10 min before time. What is the distance from his house to school?

(i) 5.25 km (ii) 4.25 km (iii) 6.25 km (iv) 3.25 km (v) 7.25 km

21. A student walks from his house to school at 2.93 kmph and arrives 17.90 min late. The next day he walks at 8.53 kmph and reaches the school 20.20 min before time. At what speed must he travel to reach the school on time?

(i) 3.23 kmph (ii) 4.23 kmph (iii) 6.23 kmph (iv) 2.23 kmph (v) 5.23 kmph

22. A train crosses a telegraph post in 21.35 sec and a bridge 407.76 m long in 57.66 sec. What is the length of the train?

(i) 241.76 m (ii) 240.76 m (iii) 239.76 m (iv) 238.76 m (v) 237.76 m

23. A train crosses a telegraph post in 29.93 sec and a bridge 1505.88 m long in 80.65 sec. What is the speed of the train?

(i) 30.69 m/sec (ii) 31.69 m/sec (iii) 28.69 m/sec (iv) 27.69 m/sec (v) 29.69 m/sec

Assignment Key

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