

EduSahara™ Learning Center Assignment**Grade : Class VIII, SSC****Chapter : Direct and Inverse Proportions****Name : Inverse Proportion****Licensed To : Teachers and Students for non-commercial use**

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1. A train from Calcutta travelling at a speed of 24kmph reaches Chennai in 15hrs. If the train should reach Chennai in 6hrs, what should be its speed?

(i) 61 kmph (ii) 59 kmph (iii) 62 kmph (iv) 58 kmph (v) 60 kmph

2. A train from Calcutta travelling at a speed of 40kmph reaches Chennai in 5hrs. If the train travels at the speed of 20kmph, what is the time taken to reach Chennai?

(i) 11 hrs (ii) 12 hrs (iii) 9 hrs (iv) 8 hrs (v) 10 hrs

3. If a train covers a certain distance at a speed of 15.29 m/sec in 30.55 sec, what should be the speed to cover the same distance in 22.87 sec?

(i) 21.42 m/sec (ii) 19.42 m/sec (iii) 22.42 m/sec (iv) 18.42 m/sec (v) 20.42 m/sec

4. A train covers a certain distance at a speed of 10.59 m/sec in 29.19 sec. If it travels at 8.66 m/sec, in what time it covers the same distance ?

(i) 37.70 sec (ii) 34.70 sec (iii) 33.70 sec (iv) 36.70 sec (v) 35.70 sec

A certain number of men can do a work in 18 days .

5. If there were 9 men less , it would take 6 days more to complete the work.

How many men are required to complete the work in 12 days ?

(i) 51 (ii) 55 (iii) 54 (iv) 53 (v) 57

Assignment Key

- 1) (v)
- 2) (v)
- 3) (v)
- 4) (v)
- 5) (iii)