

Name : Inverse Proportion

**Chapter: Direct and Inverse Proportions** 

Grade: SSC Grade VIII

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1. A train from Calcutta travelling at a speed of 200kmph reaches Chennai in 2hr. If the train should reach Chennai in 10hr, what should be its speed?

(i) 39 kmph (ii) 41 kmph (iii) 42 kmph (iv) 38 kmph (v) 40 kmph

2. A train from Calcutta travelling at a speed of 20kmph reaches Chennai in 10hr. If the train travels at the speed of 20kmph, what is the time taken to reach Chennai?

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

If a train covers a certain distance at a speed of 8.69 m/sec in 29.17 sec, what should be the speed to cover the same distance in 12.76 sec?

(i) 17.87 m/sec (ii) 18.87 m/sec (iii) 20.87 m/sec (iv) 19.87 m/sec (v) 21.87 m/sec

A train covers a certain distance at a speed of 3.55 m/sec in 32.35 sec. If it travels at 2.34 m/sec, in what time it covers the same distance?

(i) 50.05 sec (ii) 51.05 sec (iii) 48.05 sec (iv) 49.05 sec (v) 47.05 sec

A certain number of men can do a work in 10 days.

5. If there were 20 men less, it would take 25 days more to complete the work. How many men are required to complete the work in 14 days?

(i) 20 (ii) 21 (iii) 17 (iv) 22 (v) 19

|        |         | A       | Assignment Key |        |  |
|--------|---------|---------|----------------|--------|--|
| 1) (v) | 2) (ii) | 3) (iv) | 4) (iv)        | 5) (i) |  |

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