



2. 20 workers can finish a work in 18 days How many days will 30 workers take to finish the same work.
3. A car takes 5 hours to cover a distance at a speed of 60 km/h How much time will it take to cover the same distance at 100 km/h.
4. If 6 pipes can fill a tank in 8 hours, how many pipes are needed to fill the tank in 4 hours.
5. If 12 men can complete a task in 30 days, how many days will 18 men take.

D. Mark each sentence with a True (✓) or False (X):

1. In inverse proportion, the product of two quantities is constant. _____
2. If $x \propto \frac{1}{y}$, then $x \times y = \text{constant}$. _____
3. In inverse proportion, when one quantity doubles, the other also doubles. _____
4. Inverse proportion means one quantity increases while the other decreases. _____
5. Inverse proportion can be represented by a straight line graph passing through the origin. _____

E. Challenge yourself with these questions:

1. If 5 machines can produce 100 articles in 8 hours, how long will 10 machines take to produce the same number of articles.
2. 15 men can build a wall in 20 days How many men are required to build it in 12 days.
3. If 9 painters can paint a house in 6 days, how long will 18 painters take.
4. A boat takes 4 hours to cover a distance upstream If the speed of the stream increases, will the time taken increase or decrease and why.
5. If 8 taps can fill a tank in 3 hours, how long will 6 taps take to fill the same tank.