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Chapter 14: Time and Work

Daily practice problems: 10 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. A can finish a job in 10 days and B in 15 days. In how many days can they finish it together?
2. A and B together finish a job in 12 days and A alone takes 20 days. How many days will B take alone?
3. 12 men can build a wall in 10 days. In how many days can 8 men build it?
4. A can do a job in 12 days. A works for 4 days and B finishes the rest in 8 days. How many days will B take for the whole job?
5. One pipe fills a tank in 6 hours and another fills it in 12 hours. How long will they take together?
6. A pipe fills a tank in 6 hours and an outlet empties it in 12 hours. How long does it take to fill the tank if both are open?
7. A can do a job in 6 days and B in 12 days. They are paid Rs 900 for the job together. Find A's share.
8. A, B and C can finish a job in 10, 15 and 30 days respectively. In how many days will all three finish it together?
9. 15 people can complete a task in 8 days. How many people are needed to complete it in 5 days?
10. A completes $\frac{1}{4}$ of a job in 5 days. How long will A take for the whole job?

Answer Key

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|-------------|---------------|
| 1. 6 days. | 6. 12 hours. |
| 2. 30 days. | 7. Rs 600. |
| 3. 15 days. | 8. 5 days. |
| 4. 12 days. | 9. 24 people. |
| 5. 4 hours. | 10. 20 days. |

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