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Chapter 15: Speed, Distance and Time

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. Change 72 km/h to m/s.
2. Change 15 m/s to km/h.
3. How long does a car take to cover 150 km at 50 km/h?
4. A car goes at 60 km/h for 2 hours and 40 km/h for 3 hours. Find the average speed.
5. A person goes at 40 km/h and returns by the same road at 60 km/h. Find the average speed.
6. A train 150 m long runs at 54 km/h. How long does it take to cross a pole?
7. The same train crosses a platform 350 m long. How long does it take?
8. Two cars start 300 km apart and move towards each other at 50 km/h and 70 km/h. When do they meet?
9. A boat goes 10 km/h in still water and the stream flows at 2 km/h. How long does it take to go 24 km downstream?
10. A walks at 5 km/h. B starts 1 hour later from the same place at 8 km/h in the same direction. How long after B starts does B catch up with A?

Answer Key

1. 20 m/s.
2. 54 km/h.
3. 3 hours.
4. 48 km/h.
5. 48 km/h.
6. 10 seconds.
7. $33\frac{1}{3}$ seconds.
8. After 2.5 hours.
9. 2 hours.
10. $1\frac{2}{3}$ hours, which is 1 hour 40 minutes.

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