

- (1) James and Javier go on separate trips with Javier driving twice as fast as James. James travels for 3 hours while Javier travels for 2 hours. They drive a total of 280 miles. How fast does Javier drive?
- (2) Jill travels to work in 1 hr and 30 min, while Jane travels to work in 1 hr and 20 min. Jane drives 5 mph faster to work than Jill. They both drive the same distance to work. How fast does Jill drive, and how far do they both drive to work?
- (3) John leaves home traveling to the next city at 50 mph. His sister Joann leaves home 30 minutes later, traveling the same route as John, but Joann travels 65 mph. How long will it take Joann to catch up with John?
- (4) Lashandra drove from Elum to Sligo at an average rate of 50 mph. On the return trip she drove at an average rate of 60 mph, and made the trip in 45 minutes less time. How far is it from Elum to Sligo?
- (5) Two cars start from a red light traveling down a highway in the same direction. One car averages 40 mph, while the other car averages 55 mph. How much time does it take before the two cars are 5 miles apart?
- (6) The Johnson's leave a ballgame traveling east at 40 mph, while the Brown's leave the same ballgame traveling west at 50 mph. How long will it take for them to be 120 miles apart?
- (7) Two small airplanes are 3,520 miles apart and start simultaneously traveling toward each other. They meet after 8 hours. What are the speeds of the planes, if one plane travels 40 mph faster than the other?
- (8) Two trains leave towns 84 miles apart at the same time and travel toward one another. If one travels at 25 mph and the other at 31 mph, in how many hours will they meet? How far must each train travel?
- (9) A man walks 6 miles then rides a bike 42 miles. His total trip took 5 hours. If he rode the bike 8 mph faster than he walked, how fast did he walk?
- (10) Two people paddle a canoe downstream in a river flowing at the rate of 3 mph, then they returned traveling upstream. The entire trip was 96 miles and the trip upstream took twice as long as the trip downstream. How fast did they row in still water? How many hours was the complete trip?
- (11) A commuter rides a train into the city and catches a taxi to the office. The total trip is 50 miles. The train averages 60 mph and the cab 20 mph. If his trip takes a total of 1 hr, then how much time is spent on the train each morning?
- (12) Two joggers who are 21 miles apart begin running toward one another at the same time. One jogger runs 2 mph faster than the other jogger. They finally meet one another after exactly 1.5 hours. How fast did the slower jogger run?