## Distance, Rate, and Time Word Problems

1 ) Sara left downtown Portland, and three hours later, Sam left going 43 mph
faster to catch up. After another two hours, Sam caught up. Find Sara's
average speed.  _____

2 ) Nancy traveled to Durham by car. Going there took three hours, and the return trip
lasted eight hours. Nancy averaged a speed of forty-two mph while returning. Find
the average speed of the trip there.  _____

3 ) A train left for Burbank, and 3 hours later, a car traveling 68 mph tried
catching up to the train. After 9 hours, the car caught up. What was the
train's average speed?  _____

4 ) Mary left Atlanta with a speed of forty-five mph. Fred also left at the same
time in the opposite direction at a speed of sixty mph. Find how many hours
Fred must travel before they are three hundred and eighteen miles apart.  _____

5 ) Keith left the city traveling at 83 mph, while, at the same time, Sara
left the city going the opposite direction at a speed of 64 mph. Find the
time Keith traveled before the two were 153 miles apart.  _____

6 ) Sally left the city for vacation. Sandy left six hours later going eighty-two mph faster
to catch up. After five hours Sandy caught up. What was Sally's average speed?  _____

7 ) Alyssa left Durham traveling 50 mph. Jessica, to catch up, left some time later
driving at 59 mph. Jessica caught up after 4 hours. How long was
Alyssa driving before Jessica caught up?  _____

8 ) A cargo plane flew from the US across the Atlantic at two hundred and ninety-one
mph, and flew back to the US at three hundred and eleven mph. Given that the
first trip took two hours longer, how long was the return trip?  _____

9 ) A truck and van left from Portland in opposite directions. The truck traveled for 6
hours at 48 mph. The vehicles were 586
miles apart. Find the van's average speed.  _____

10 ) A plane set off to Burbank at a speed of two hundred and seven mph. On the
return flight of ten hours, the plane cruised at two hundred and sixty-seven mph.
How many hours long was the flight to Burbank?  _____