

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

---

### 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? \_\_\_\_\_

