Distance, Rate, and Time Word Problems

1) A cargo plane flew from the US across the Atlantic at 256 mph, and flew back to the US at 276 mph. Given that the first trip took two hours longer, how long was the return trip?

_____

2) Tim traveled to Durham by car. Going there took 8 hours, and the return trip lasted 9 hours. Tim averaged a speed of 47 mph while returning. Find the average speed of the trip there.

_____

3) Benny left downtown Atlanta, and three hours later, Mike left going 59 mph faster to catch up. After another two hours, Mike caught up. Find Benny's average speed.

_____

4) A plane set off to Houston at a speed of 229 mph. On the return flight of 8 hours, the plane cruised at 286 mph. How many hours long was the flight to Houston?

_____

5) Jason left Portland traveling 78 mph. Sandy, to catch up, left some time later driving at 87 mph. Sandy caught up after 3 hours. How long was Jason driving before Sandy caught up?

_____

6) A truck and van left from Houston in opposite directions. The truck traveled for 9 hours at 89 mph. The vehicles were 1098 miles apart. Find the van's average speed.

_____

7) Sara left the city traveling at 66 mph, while, at the same time, Dan left the city going the opposite direction at a speed of 84 mph. Find the time Sara traveled before the two were 200 miles apart.

_____

8) Sam left NYC with a speed of 65 mph. Keith also left at the same time in the opposite direction at a speed of 73 mph. Find how many hours Keith must travel before they are 300 miles apart.

_____

9) Sally left the city for vacation. Nancy left 7 hours later going 72 mph faster to catch up. After 6 hours Nancy caught up. What was Sally's average speed?

_____

10) A train left for NYC, and 7 hours later, a car traveling 59 mph tried catching up to the train. After 9 hours, the car caught up. What was the train's average speed?

_____

Distance, Rate, and Time Word Problems

1) A cargo plane flew from the US across the Atlantic at 256 mph, and flew back to the US at 276 mph. Given that the first trip took two hours longer, how long was the return trip?

25.60 hours

2) Tim traveled to Durham by car. Going there took 8 hours, and the return trip lasted 9 hours. Tim averaged a speed of 47 mph while returning. Find the average speed of the trip there.

52.88 mph

3) Benny left downtown Atlanta, and three hours later, Mike left going 59 mph faster to catch up. After another two hours, Mike caught up. Find Benny's average speed.

39.33 mph

4) A plane set off to Houston at a speed of 229 mph. On the return flight of 8 hours, the plane cruised at 286 mph. How many hours long was the flight to Houston?

9.99 hours

5) Jason left Portland traveling 78 mph. Sandy, to catch up, left some time later driving at 87 mph. Sandy caught up after 3 hours. How long was Jason driving before Sandy caught up?

3.35 hours

6) A truck and van left from Houston in opposite directions. The truck traveled for 9 hours at 89 mph. The vehicles were 1098 miles apart. Find the van's average speed.

33.00 mph

7) Sara left the city traveling at 66 mph, while, at the same time, Dan left the city going the opposite direction at a speed of 84 mph. Find the time Sara traveled before the two were 200 miles apart.

1.33 hours

8) Sam left NYC with a speed of 65 mph. Keith also left at the same time in the opposite direction at a speed of 73 mph. Find how many hours Keith must travel before they are 300 miles apart.

2.17 hours

9) Sally left the city for vacation. Nancy left 7 hours later going 72 mph faster to catch up. After 6 hours Nancy caught up. What was Sally's average speed?

61.71 mph

10) A train left for NYC, and 7 hours later, a car traveling 59 mph tried catching up to the train. After 9 hours, the car caught up. What was the train's average speed?

33.19 mph