

Work Word Problems

- 1) Stefan left school and traveled toward his friend's house. Eugene left two hours later traveling at 40 km/h in an effort to catch up to Stefan. After traveling for three hours Eugene finally caught up. What was Stefan's average speed?
- 2) Jenny traveled to the lake and back. On the trip there she traveled 80 km/h and on the return trip she went 60 km/h. How long did the trip there take if the return trip took four hours?
- 3) Shayna left the airport and drove toward the capital at an average speed of 52 km/h. Some time later Mei left driving in the same direction but at an average speed of 65 km/h. After driving for four hours Mei caught up with Shayna. Find the number of hours Shayna drove before Mei caught up.
- 4) Lisa traveled to her cabin on the lake and back. The trip there took five hours and the trip back took six hours. She averaged 45 km/h on the return trip. Find the average speed of the trip there.
- 5) A jet left Paris at the same time as a passenger plane. The planes flew in opposite directions. The passenger plane flew at a speed of 450 mph. After 11 hours they were 9460 mi. apart. How fast did the jet fly?
- 6) A diesel train left Washington and traveled toward Johannesburg at an average speed of 52 mph. A cattle train left two hours later and traveled in the same direction but with an average speed of 60 mph. Find the number of hours the diesel train traveled before the cattle train caught up.

- 7) A diesel train made a trip to the repair yards and back. The trip there took 15 hours and the trip back took 18 hours. What was the diesel train's average speed on the trip there if it averaged 35 km/h on the return trip?
- 8) Shayna left home and traveled toward the ferry office at an average speed of 40 mph. Some time later Mary left traveling in the same direction but at an average speed of 50 mph. After traveling for four hours Mary caught up with Shayna. Find the number of hours Shayna traveled before Mary caught up.
- 9) Alberto made a trip to his friend's house and back. The trip there took three hours and the trip back took four hours. He averaged 9.8 mph faster on the trip there than on the return trip. Find Alberto's average speed on the outbound trip.
- 10) A jet left Tokyo and flew north at an average speed of 330 mph. An Air Force plane left 1.2 hours later and flew in the same direction but with an average speed of 396 mph. How long did the jet fly before the Air Force plane caught up?
- 11) A freight train left Washington traveling east 7.8 hours before a diesel train. The diesel train traveled in the opposite direction going 17.1 mph slower than the freight train for ten hours after which time the trains were 941 mi. apart. How fast did the freight train travel?
- 12) An aircraft carrier left the Dania Pier and traveled toward Guam. 0.2 hours later a container ship left traveling 0.2 mph faster in an effort to catch up to it. After 13.8 hours the container ship finally caught up. What was the aircraft carrier's average speed?

Work Word Problems

1) Stefan left school and traveled toward his friend's house. Eugene left two hours later traveling at 40 km/h in an effort to catch up to Stefan. After traveling for three hours Eugene finally caught up. What was Stefan's average speed?

24 km/h

2) Jenny traveled to the lake and back. On the trip there she traveled 80 km/h and on the return trip she went 60 km/h. How long did the trip there take if the return trip took four hours?

3 hours

3) Shayna left the airport and drove toward the capital at an average speed of 52 km/h. Some time later Mei left driving in the same direction but at an average speed of 65 km/h. After driving for four hours Mei caught up with Shayna. Find the number of hours Shayna drove before Mei caught up.

5 hours

4) Lisa traveled to her cabin on the lake and back. The trip there took five hours and the trip back took six hours. She averaged 45 km/h on the return trip. Find the average speed of the trip there.

54 km/h

5) A jet left Paris at the same time as a passenger plane. The planes flew in opposite directions. The passenger plane flew at a speed of 450 mph. After 11 hours they were 9460 mi. apart. How fast did the jet fly?

410 mph

6) A diesel train left Washington and traveled toward Johannesburg at an average speed of 52 mph. A cattle train left two hours later and traveled in the same direction but with an average speed of 60 mph. Find the number of hours the diesel train traveled before the cattle train caught up.

15 hours

7) A diesel train made a trip to the repair yards and back. The trip there took 15 hours and the trip back took 18 hours. What was the diesel train's average speed on the trip there if it averaged 35 km/h on the return trip?

42 km/h

8) Shayna left home and traveled toward the ferry office at an average speed of 40 mph. Some time later Mary left traveling in the same direction but at an average speed of 50 mph. After traveling for four hours Mary caught up with Shayna. Find the number of hours Shayna traveled before Mary caught up.

5 hours

9) Alberto made a trip to his friend's house and back. The trip there took three hours and the trip back took four hours. He averaged 9.8 mph faster on the trip there than on the return trip. Find Alberto's average speed on the outbound trip.

39.2 mph

10) A jet left Tokyo and flew north at an average speed of 330 mph. An Air Force plane left 1.2 hours later and flew in the same direction but with an average speed of 396 mph. How long did the jet fly before the Air Force plane caught up?

7.2 hours

11) A freight train left Washington traveling east 7.8 hours before a diesel train. The diesel train traveled in the opposite direction going 17.1 mph slower than the freight train for ten hours after which time the trains were 941 mi. apart. How fast did the freight train travel?

40 mph

12) An aircraft carrier left the Dania Pier and traveled toward Guam. 0.2 hours later a container ship left traveling 0.2 mph faster in an effort to catch up to it. After 13.8 hours the container ship finally caught up. What was the aircraft carrier's average speed?

13.8 mph