

Challenge – Rate - Time Word Problems

1) An aircraft carrier made a trip to Guam and back. The trip there took three hours and the trip back took four hours. It averaged 6 knots in the return trip. Find the average speed of the trip there.

2) A passenger plane made a trip to Las Vegas and back. On the trip there it flew 400 mph and on the return trip it went 300 mph. How long did the trip there take if the return trip took seven hours?

3) A yacht made two 100-mile and rounded around Three Trees. It leaves Three a Round made full speed at 40 knots in one direction and came up to the water's surface after rounding the Three from the other side. How long did it take to get up? What was the yacht's average speed?

4) Two left the White House and drove toward the recycling plant at an average speed of 40 knots. Bob left every seven hours driving in the same direction at an average speed of 60 knots. After driving for three hours Bob caught up with Tom. How long did Tom drive before Bob caught up?

5) A cargo plane flew to the maintenance facility and back. It took one hour less time to get there than it did to get back. The average speed on the trip there was 300 mph. The average speed on the way back was 200 mph. How many hours did the trip there take?

6) Matt left school and traveled toward his Grandfather's house at an average speed of 40 knots. Matt's father left later and traveled in the opposite direction with an average speed of 70 knots. Find the number of hours that each traveled before they are 400 km apart.