WORD PROBLEMS--RATES #2

Directions: Find the rate in each problem below. There are several ways to solve rate problems. The simplest strategy is to simply divide the data. The key is to divide the data in the correct order. If the question asks you to find the miles/hour, then you should find the quotient of the miles divided by the hours, not the hours divided by the miles.

1) It took Juan 6.5 minutes to eat 3.25 sandwiches. How many sandwiches did he eat per minute?

2) Emily ran 731.6 meters in 12.4 minutes. How many meters/minute did she run?

3) Ben paid $4.50 for 2.25 pounds of apples. How much did he pay per pound?

4) Lucia flew 819.2 miles in 102.4 minutes. How many miles per minute did she fly?

5) In 3.5 days, the temperature dropped 17.5 degrees. How many degrees per day did the temperature drop?

6) Ava read 52.5 books in 7.5 months. How many books per month did she read?

7) Connor filled his 103.2 gallon pool with water in 8.6 hours. How many gallons per hour did he use?

8) Addison drove 682.5 miles in 22.75 hours. What was her speed in miles per hour?

9) Jackson graded 6.5 tests in 0.5 hours. How many tests per hour did he grade?

10) Hailey’s plane climbed 1,004.7 feet in 59.1 seconds. How fast did her plane climb every second?

11) It took Jacob 20.4 hours to drive 530.4 laps. How many laps per hour did he run?

12) Sophia earned $48.75 in 3.25 hours. How many dollars did she earn per hour?

13) Aiden bought 16.5 ounces of pop for $1.32. What was the price per ounce?