WORD PROBLEMS--RATES #1

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) Amy ate 27.5 cookies in 5.5 minutes. How many cookies did she eat per minute?  

2) Mary ran 780.8 meters in 12.8 minutes. How many meters/minute did she run?  

3) Steve paid $6.75 for 2.25 pounds of apples. How much did he pay per pound?  

4) Anna flew 785.4 miles in 112.2 minutes. How many miles per minute did she fly?  

5) In 3.5 days, the temperature dropped 10.5 degrees. How many degrees per day did the temperature drop?  

6) Ava read 93.5 books in 8.5 months. How many books per month did she read?  

7) Connor filled his 99.2 gallon pool with water in 12.4 hours. How many gallons per hour did he use?  

8) Addison drove 798.25 miles in 25.75 hours. What was her speed in miles per hour?  

9) Jackson graded 42.5 tests in 8.5 hours. How many tests per hour did he grade?  

10) Hailey’s plane climbed 834.6 feet in 64.2 seconds. How fast did her plane climb every second?  

11) It took Jacob 21.4 hours to drive 470.8 laps. How many laps per hour did he run?  

12) Sophia earned $29.25 in 3.25 hours. How many dollars did she earn per hour?  

13) Aiden bought 16.5 ounces of pop for $1.98. What was the price per ounce?