

Name \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Algebra

Mr. Towne

Quiz 2.2

Solve the following:

1)  $\frac{4}{9} = \frac{y}{5}$

2)  $\frac{4}{9} = \frac{5}{y}$

Change the following fraction to a decimal

3)  $\frac{5}{12}$

Write each ratio named below as a fraction. Use a number and a unit in both the numerator and the denominator.

4) There are 3 girls for every 2 boys in my dance class.

5) Mr. Towne can eat 17 donuts per hour.

6) 43 percent of all statistics are made up

Set up a proportion for each of the following problems *and* then solve the equation. Show your work *neatly*.

7) Al jogged 13 miles in three days. At the same rate, how many miles can he jog in one week?

8) Al bought 50 vitamins for \$5.99. How much money would 365 vitamins cost?

9) Al went on 4 dates in one week. At the same rate, how long would it take for him to go on 31 dates?

10) Cal found a large can filled with white poker chips. He then bought 200 red poker chips and added them to the can. Later, after the chips had been mixed up, he pulled out 50 chips and found 15 of them to be red. What is the best estimate of the number of white chips in the can?