

# Homework for Thursday 2/22

\* Show your work!

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Ratios and Rates

Remember to use labels

Express each ratio as a fraction in the simplest form. !!

1) 48 cups to 54 cups  $\frac{48 \text{ cups} \div 6}{54 \text{ cups} \div 6} = \frac{8 \text{ cups}}{9 \text{ cups}}$  2) 25 blue cars out of 40 cars \_\_\_\_\_

3) 12 quarts to 16 quarts \_\_\_\_\_

4) 12 gallons to 14 gallons \_\_\_\_\_

5) 21 dimes to 28 dimes \_\_\_\_\_

6) 5 pennies to 45 pennies \_\_\_\_\_

7) 7 beetles out of 56 insects \_\_\_\_\_

8) 30 miles out of 36 miles \_\_\_\_\_

Express each phrase as a rate and unit rate.  
(Round your answer to the nearest hundredth.)

9) 6 calculators cost \$180.00

$$\begin{array}{r} \text{Rate} \\ \$180 \\ \hline 6 \text{ calculators} \end{array} = \begin{array}{r} \text{Unit Rate} \\ \$30 \\ \hline 1 \text{ calculator} \end{array}$$

10) 7 pencils for 16 dollars

\_\_\_\_\_

11) 7 batteries cost 17 dollars

\_\_\_\_\_

12) 11 inches of snow in 4 hours

\_\_\_\_\_

13) 11 chocolate bars cost 12 dollars

\_\_\_\_\_

14) 120 miles on 4 gallons of gas

\_\_\_\_\_

15) 25 dollars for 8 books

\_\_\_\_\_

16) 5 dollars for 4 cans of tuna

\_\_\_\_\_