

# \* Homework for Thursday Night 2 1/2

## RATIOS, RATES, UNIT RATES AND RATIO TABLES STUDY GUIDE

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

Reduce !!

Pay attention to how the ratio is asked for!

I. Write each scenario as a ratio using labels. Remember to write each ratio in simplest form.

a) Tyson's math class has 12 boys and 8 girls. Write the ratio of girls to boys.

$$\frac{8 \text{ girls} \div 4}{12 \text{ boys} \div 4} = \frac{2 \text{ girls}}{3 \text{ boys}}$$

b) At a bake sale, 15 cookies and 40 brownies were sold. Write the ratio of cookies sold to brownies sold.

c) The jewelry store is having a sale on 25 emerald rings and 15 ruby rings. Write the ratio of ruby rings to emerald rings.

d) In a bouquet of flowers, there are 6 roses, 5 carnations, 3 lilies, and 7 daisies. Write the ratio of roses to total flowers in the bouquet.

e) Of the 24 sandwiches on the table, 9 of them were burgers. Write the ratio of burgers to total sandwiches.

Reduce! Reduce!

### Ratios and Rates

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 \_\_\_\_\_

