

Homework for TUESDAY 2-27-2018

RATIOS, RATES, UNIT RATES AND RATIO TABLES STUDY GUIDE

(front + back)

Name: _____ Period: _____ Date: _____

- 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.
 - 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.

Ratios and Rates

Express each ratio as a fraction in the simplest form.

- | | | | |
|--------------------------------|-------|--------------------------------|-------|
| 1) 48 cups to 54 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 | _____ |
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II. Write each phrase as a Rate (first) and then determine Unit Rate (second).

**** Remember Unit Rate always has a denominator of 1 ****

- a) \$42 for 7 books
- b) \$6 for 8 packs of gum
- c) \$216 for 18 hours of work
- d) 120 miles in 8 weeks
- e) 79.8 miles on 3 gallons of gas

III. Use Rates & Unit Rates to determine which is the better deal. Circle your answer !!

**** Remember to round to the nearest hundredth if you have a decimal ****

- a) \$12 for 3 paperback books; \$28 for 7 paperback books
- b) 25 gumballs for \$3.50; 30 gumballs for \$4.50
- c) 96 words typed in 3 minutes; 160 words typed in 5 minutes
- d) \$3 for 6 bagels; \$9 for 24 bagels
- e) 288 miles on 12 gallons of fuel; 240 miles on 10 gallons of fuel
- f) \$22 for 2 new-release CDs; \$40 for 4 new-release CDs
- g) \$24 saved after 3 weeks; \$52 saved after 7 weeks
- h) 60 pages read in 3 days; 90 pages in 6 days