

Name _____ Date _____ PD _____

Ratios & Rates DAY ONE WS

Express each ratio as a fraction in simplest form.

1) 18 miles out of 20 miles

5) 21 points out of 30 points

2) 16 red bikes out of 20 bikes

6) 6 nickels to 249 nickels

3) 18 blue cars out of 24 cars

7) 8 cups to 48 cups

4) 7 pints to 21 pints

8) 5 feet out of 40 feet

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

1) 4 calculators cost \$155.00

Rate

Unit Rate

2) 95 miles on 8 gallons of gas

3) 20 dollars for 7 books

4) 13 chocolate bars cost 21 dollars

5) 6 dollars for 2 cans of tuna

Solve the ratio and rate word problems. Be sure to show work and include proper units.

1) An ice cream factory makes 350 quarts of ice cream in 2 hours. How many quarts could be made in 12 hours?

- 2) You can buy 5 cans of green beans at the Village Market for \$3.10. You can buy 10 of the same cans of beans at Sam's Club for \$6.10. Which place is the better buy?

- 3) A jet travels 590 miles in 5 hours. At this rate, how far could the jet fly in 15 hours? What is the rate of speed of the jet?

- 4) A ferris wheel can accommodate 50 people in 15 minutes. How many people could ride the ferris wheel in 4 hours? What was that rate per hour?

- 5) The bakers at Healthy Bakery can make 190 bagels in 5 hours. How many bagels can they bake in 21 hours? What was that rate per hour?

- 6) Gas mileage is the number of miles you can drive on a gallon of gasoline. A test of a new car results in 410miles on 20 gallons on gas. How far could you drive on 65 gallons of gas? What is the car's gas mileage?

- 7) You can buy 3 apples at the Quick Market for \$1.17. You can buy 5 of the same apples at Stop and Save for \$1.25. Which place is the better buy?