

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 28 blue cars out of 70 cars _____

2) 24 cups to 54 cups _____

3) 10 beetles out of 20 insects _____

4) 15 miles out of 21 miles _____

5) 5 quarts to 10 quarts _____

6) 8 gallons to 20 gallons _____

7) 10 dimes to 45 dimes _____

8) 8 pennies to 44 pennies _____

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

Rate

Unit Rate

9) 140 miles on 4 gallons of gas

10) 7 pencils for 11 dollars

11) 14 dollars for 9 books

12) 10 chocolate bars cost 18 dollars

13) 5 calculators cost \$155.00

14) 3 inches of snow in 9 hours

15) 6 dollars for 2 cans of tuna

16) 6 batteries cost 16 dollars



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Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 28 blue cars out of 70 cars $\frac{2}{5}$

2) 24 cups to 54 cups $\frac{4}{9}$

3) 10 beetles out of 20 insects $\frac{1}{2}$

4) 15 miles out of 21 miles $\frac{5}{7}$

5) 5 quarts to 10 quarts $\frac{1}{2}$

6) 8 gallons to 20 gallons $\frac{2}{5}$

7) 10 dimes to 45 dimes $\frac{2}{9}$

8) 8 pennies to 44 pennies $\frac{2}{11}$

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

	Rate	Unit Rate
9) 140 miles on 4 gallons of gas	$\frac{140 \text{ miles}}{4 \text{ gallons}}$	$\frac{35.00 \text{ miles per gallon}}$
10) 7 pencils for 11 dollars	$\frac{11 \text{ dollars}}{7 \text{ pencils}}$	$\frac{1.57 \text{ dollars per pencil}}$
11) 14 dollars for 9 books	$\frac{14 \text{ dollars}}{9 \text{ books}}$	$\frac{1.56 \text{ dollars per book}}$
12) 10 chocolate bars cost 18 dollars	$\frac{18 \text{ dollars}}{10 \text{ chocolate bars}}$	$\frac{1.80 \text{ dollars per chocolate bar}}$
13) 5 calculators cost \$155.00	$\frac{155 \text{ dollars}}{5 \text{ calculators}}$	$\frac{31.00 \text{ dollars per calculator}}$
14) 3 inches of snow in 9 hours	$\frac{3" \text{ of snow}}{9 \text{ hours}}$	$\frac{0.33" \text{ of snow per hour}}$
15) 6 dollars for 2 cans of tuna	$\frac{6 \text{ dollars}}{2 \text{ cans}}$	$\frac{3.00 \text{ dollars per can}}$
16) 6 batteries cost 16 dollars	$\frac{16 \text{ dollars}}{6 \text{ batteries}}$	$\frac{2.67 \text{ dollars per battery}}$

