

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 35 blue cars out of 55 cars _____

2) 60 quarts to 72 quarts _____

3) 3 dimes to 6 dimes _____

4) 8 gallons to 22 gallons _____

5) 21 beetles out of 35 insects _____

6) 22 miles out of 24 miles _____

7) 42 cups to 56 cups _____

8) 14 pennies to 20 pennies _____

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

Rate

Unit Rate

9) 6 dollars for 2 cans of tuna

10) 8 pencils for 14 dollars

11) 13 inches of snow in 5 hours

12) 5 calculators cost \$200.00

13) 8 chocolate bars cost 12 dollars

14) 18 dollars for 9 books

15) 125 miles on 9 gallons of gas

16) 9 batteries cost 18 dollars



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Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 35 blue cars out of 55 cars $\frac{7}{11}$

2) 60 quarts to 72 quarts $\frac{5}{6}$

3) 3 dimes to 6 dimes $\frac{1}{2}$

4) 8 gallons to 22 gallons $\frac{4}{11}$

5) 21 beetles out of 35 insects $\frac{3}{5}$

6) 22 miles out of 24 miles $\frac{11}{12}$

7) 42 cups to 56 cups $\frac{3}{4}$

8) 14 pennies to 20 pennies $\frac{7}{10}$

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

	Rate	Unit Rate
9) 6 dollars for 2 cans of tuna	$\frac{6 \text{ dollars}}{2 \text{ cans}}$	$\frac{3.00 \text{ dollars per can}}$
10) 8 pencils for 14 dollars	$\frac{14 \text{ dollars}}{8 \text{ pencils}}$	$\frac{1.75 \text{ dollars per pencil}}$
11) 13 inches of snow in 5 hours	$\frac{13" \text{ of snow}}{5 \text{ hours}}$	$\frac{2.60" \text{ of snow per hour}}$
12) 5 calculators cost \$200.00	$\frac{200 \text{ dollars}}{5 \text{ calculators}}$	$\frac{40.00 \text{ dollars per calculator}}$
13) 8 chocolate bars cost 12 dollars	$\frac{12 \text{ dollars}}{8 \text{ chocolate bars}}$	$\frac{1.50 \text{ dollars per chocolate bar}}$
14) 18 dollars for 9 books	$\frac{18 \text{ dollars}}{9 \text{ books}}$	$\frac{2.00 \text{ dollars per book}}$
15) 125 miles on 9 gallons of gas	$\frac{125 \text{ miles}}{9 \text{ gallons}}$	$\frac{13.89 \text{ miles per gallon}}$
16) 9 batteries cost 18 dollars	$\frac{18 \text{ dollars}}{9 \text{ batteries}}$	$\frac{2.00 \text{ dollars per battery}}$

