

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 42 dimes to 49 dimes _____

2) 6 miles out of 48 miles _____

3) 6 cups to 21 cups _____

4) 2 beetles out of 10 insects _____

5) 10 quarts to 50 quarts _____

6) 14 pennies to 16 pennies _____

7) 28 blue cars out of 48 cars _____

8) 60 gallons to 66 gallons _____

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

Rate

Unit Rate

9) 15 dollars for 6 books _____

10) 14 chocolate bars cost 17 dollars _____

11) 7 calculators cost \$155.00 _____

12) 6 pencils for 11 dollars _____

13) 110 miles on 9 gallons of gas _____

14) 5 dollars for 4 cans of tuna _____

15) 12 inches of snow in 7 hours _____

16) 8 batteries cost 27 dollars _____



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Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 42 dimes to 49 dimes $\frac{6}{7}$

2) 6 miles out of 48 miles $\frac{1}{8}$

3) 6 cups to 21 cups $\frac{2}{7}$

4) 2 beetles out of 10 insects $\frac{1}{5}$

5) 10 quarts to 50 quarts $\frac{1}{5}$

6) 14 pennies to 16 pennies $\frac{7}{8}$

7) 28 blue cars out of 48 cars $\frac{7}{12}$

8) 60 gallons to 66 gallons $\frac{10}{11}$

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

	Rate	Unit Rate
9) 15 dollars for 6 books	$\frac{15 \text{ dollars}}{6 \text{ books}}$	$\frac{2.50 \text{ dollars per book}}$
10) 14 chocolate bars cost 17 dollars	$\frac{17 \text{ dollars}}{14 \text{ chocolate bars}}$	$\frac{1.21 \text{ dollars per chocolate bar}}$
11) 7 calculators cost \$155.00	$\frac{155 \text{ dollars}}{7 \text{ calculators}}$	$\frac{22.14 \text{ dollars per calculator}}$
12) 6 pencils for 11 dollars	$\frac{11 \text{ dollars}}{6 \text{ pencils}}$	$\frac{1.83 \text{ dollars per pencil}}$
13) 110 miles on 9 gallons of gas	$\frac{110 \text{ miles}}{9 \text{ gallons}}$	$\frac{12.22 \text{ miles per gallon}}$
14) 5 dollars for 4 cans of tuna	$\frac{5 \text{ dollars}}{4 \text{ cans}}$	$\frac{1.25 \text{ dollars per can}}$
15) 12 inches of snow in 7 hours	$\frac{12'' \text{ of snow}}{7 \text{ hours}}$	$\frac{1.71'' \text{ of snow per hour}}$
16) 8 batteries cost 27 dollars	$\frac{27 \text{ dollars}}{8 \text{ batteries}}$	$\frac{3.38 \text{ dollars per battery}}$

