

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 6 miles out of 12 miles _____

2) 4 blue cars out of 22 cars _____

3) 21 quarts to 24 quarts _____

4) 21 pennies to 70 pennies _____

5) 10 beetles out of 18 insects _____

6) 24 cups to 36 cups _____

7) 60 gallons to 66 gallons _____

8) 28 dimes to 36 dimes _____

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

Rate

Unit Rate

9) 12 batteries cost 30 dollars

10) 7 dollars for 2 cans of tuna

11) 15 chocolate bars cost 17 dollars

12) 7 calculators cost \$130.00

13) 90 miles on 7 gallons of gas

14) 14 dollars for 4 books

15) 7 pencils for 15 dollars

16) 12 inches of snow in 8 hours



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Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 6 miles out of 12 miles $\frac{1}{2}$

2) 4 blue cars out of 22 cars $\frac{2}{11}$

3) 21 quarts to 24 quarts $\frac{7}{8}$

4) 21 pennies to 70 pennies $\frac{3}{10}$

5) 10 beetles out of 18 insects $\frac{5}{9}$

6) 24 cups to 36 cups $\frac{2}{3}$

7) 60 gallons to 66 gallons $\frac{10}{11}$

8) 28 dimes to 36 dimes $\frac{7}{9}$

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

Rate

Unit Rate

9) 12 batteries cost 30 dollars $\frac{30 \text{ dollars}}{12 \text{ batteries}}$ 2.50 dollars per battery

10) 7 dollars for 2 cans of tuna $\frac{7 \text{ dollars}}{2 \text{ cans}}$ 3.50 dollars per can

11) 15 chocolate bars cost 17 dollars $\frac{17 \text{ dollars}}{15 \text{ chocolate bars}}$ 1.13 dollars per chocolate bar

12) 7 calculators cost \$130.00 $\frac{130 \text{ dollars}}{7 \text{ calculators}}$ 18.57 dollars per calculator

13) 90 miles on 7 gallons of gas $\frac{90 \text{ miles}}{7 \text{ gallons}}$ 12.86 miles per gallon

14) 14 dollars for 4 books $\frac{14 \text{ dollars}}{4 \text{ books}}$ 3.50 dollars per book

15) 7 pencils for 15 dollars $\frac{15 \text{ dollars}}{7 \text{ pencils}}$ 2.14 dollars per pencil

16) 12 inches of snow in 8 hours $\frac{12" \text{ of snow}}{8 \text{ hours}}$ 1.50" of snow per hour

