

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 66 dimes to 72 dimes _____

2) 15 beetles out of 45 insects _____

3) 6 cups to 36 cups _____

4) 9 pennies to 30 pennies _____

5) 49 blue cars out of 63 cars _____

6) 36 quarts to 42 quarts _____

7) 18 gallons to 27 gallons _____

8) 8 miles out of 40 miles _____

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

Rate

Unit Rate

9) 23 dollars for 8 books

10) 11 chocolate bars cost 20 dollars

11) 5 calculators cost \$190.00

12) 7 batteries cost 26 dollars

13) 8 dollars for 3 cans of tuna

14) 7 pencils for 11 dollars

15) 10 inches of snow in 7 hours

16) 115 miles on 7 gallons of gas



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Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 66 dimes to 72 dimes $\frac{11}{12}$

2) 15 beetles out of 45 insects $\frac{1}{3}$

3) 6 cups to 36 cups $\frac{1}{6}$

4) 9 pennies to 30 pennies $\frac{3}{10}$

5) 49 blue cars out of 63 cars $\frac{7}{9}$

6) 36 quarts to 42 quarts $\frac{6}{7}$

7) 18 gallons to 27 gallons $\frac{2}{3}$

8) 8 miles out of 40 miles $\frac{1}{5}$

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

Rate

Unit Rate

9) 23 dollars for 8 books $\frac{23 \text{ dollars}}{8 \text{ books}}$ 2.88 dollars per book

10) 11 chocolate bars cost 20 dollars $\frac{20 \text{ dollars}}{11 \text{ chocolate bars}}$ 1.82 dollars per chocolate bar

11) 5 calculators cost \$190.00 $\frac{190 \text{ dollars}}{5 \text{ calculators}}$ 38.00 dollars per calculator

12) 7 batteries cost 26 dollars $\frac{26 \text{ dollars}}{7 \text{ batteries}}$ 3.71 dollars per battery

13) 8 dollars for 3 cans of tuna $\frac{8 \text{ dollars}}{3 \text{ cans}}$ 2.67 dollars per can

14) 7 pencils for 11 dollars $\frac{11 \text{ dollars}}{7 \text{ pencils}}$ 1.57 dollars per pencil

15) 10 inches of snow in 7 hours $\frac{10" \text{ of snow}}{7 \text{ hours}}$ 1.43" of snow per hour

16) 115 miles on 7 gallons of gas $\frac{115 \text{ miles}}{7 \text{ gallons}}$ 16.43 miles per gallon

