

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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## Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 10 blue cars out of 20 cars \_\_\_\_\_

2) 36 dimes to 42 dimes \_\_\_\_\_

3) 20 gallons to 45 gallons \_\_\_\_\_

4) 4 cups to 24 cups \_\_\_\_\_

5) 6 pennies to 18 pennies \_\_\_\_\_

6) 7 beetles out of 84 insects \_\_\_\_\_

7) 30 quarts to 42 quarts \_\_\_\_\_

8) 28 miles out of 32 miles \_\_\_\_\_

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

Rate

Unit Rate

9) 7 dollars for 3 cans of tuna

\_\_\_\_\_

\_\_\_\_\_

10) 5 inches of snow in 8 hours

\_\_\_\_\_

\_\_\_\_\_

11) 14 dollars for 5 books

\_\_\_\_\_

\_\_\_\_\_

12) 95 miles on 5 gallons of gas

\_\_\_\_\_

\_\_\_\_\_

13) 7 pencils for 11 dollars

\_\_\_\_\_

\_\_\_\_\_

14) 12 batteries cost 29 dollars

\_\_\_\_\_

\_\_\_\_\_

15) 14 chocolate bars cost 18 dollars

\_\_\_\_\_

\_\_\_\_\_

16) 6 calculators cost \$155.00

\_\_\_\_\_

\_\_\_\_\_



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**Ratios and Rates**

Express each ratio as a fraction in the simplest form.

1) 10 blue cars out of 20 cars  $\frac{1}{2}$

2) 36 dimes to 42 dimes  $\frac{6}{7}$

3) 20 gallons to 45 gallons  $\frac{4}{9}$

4) 4 cups to 24 cups  $\frac{1}{6}$

5) 6 pennies to 18 pennies  $\frac{1}{3}$

6) 7 beetles out of 84 insects  $\frac{1}{12}$

7) 30 quarts to 42 quarts  $\frac{5}{7}$

8) 28 miles out of 32 miles  $\frac{7}{8}$

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

	Rate	Unit Rate
9) 7 dollars for 3 cans of tuna	$\frac{7 \text{ dollars}}{3 \text{ cans}}$	$\frac{2.33 \text{ dollars per can}}$
10) 5 inches of snow in 8 hours	$\frac{5" \text{ of snow}}{8 \text{ hours}}$	$\frac{0.62" \text{ of snow per hour}}$
11) 14 dollars for 5 books	$\frac{14 \text{ dollars}}{5 \text{ books}}$	$\frac{2.80 \text{ dollars per book}}$
12) 95 miles on 5 gallons of gas	$\frac{95 \text{ miles}}{5 \text{ gallons}}$	$\frac{19.00 \text{ miles per gallon}}$
13) 7 pencils for 11 dollars	$\frac{11 \text{ dollars}}{7 \text{ pencils}}$	$\frac{1.57 \text{ dollars per pencil}}$
14) 12 batteries cost 29 dollars	$\frac{29 \text{ dollars}}{12 \text{ batteries}}$	$\frac{2.42 \text{ dollars per battery}}$
15) 14 chocolate bars cost 18 dollars	$\frac{18 \text{ dollars}}{14 \text{ chocolate bars}}$	$\frac{1.29 \text{ dollars per chocolate bar}}$
16) 6 calculators cost \$155.00	$\frac{155 \text{ dollars}}{6 \text{ calculators}}$	$\frac{25.83 \text{ dollars per calculator}}$

