

Name : _____

Score : _____

Teacher : _____

Date : _____

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 18 gallons to 54 gallons $\frac{18 \div 18}{54 \div 18} = \frac{1}{3}$

2) 12 cups to 24 cups $\frac{12 \div 12}{24 \div 12} = \frac{1}{2}$

3) 16 pennies to 28 pennies $\frac{16}{28}$

4) 6 dimes to 9 dimes $\frac{6 \div 3}{9 \div 3} = \frac{2}{3}$

5) 4 blue cars out of 14 cars $\frac{4}{14}$

6) 5 beetles out of 10 insects $\frac{5}{10}$

7) 49 quarts to 84 quarts $\frac{49}{84}$

8) 56 miles out of 70 miles $\frac{56}{70}$

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

Each rate can have 2 different UNIT Rates

Bars/\$1.00 OR \$/1 BAR

Rate

Unit Rate

9) 14 chocolate bars cost 17 dollars

EX: $\frac{14 \text{ choc. bars}}{\$17.00}$

$\frac{14 \text{ bars} \div 17}{\$17 \div 17} = \frac{0.82 \text{ bars}}{\$1.00}$

10) ~~8 dollars for 3 cans of tuna~~

OR $\frac{14 \text{ choc. bars}}{\$17.00}$

$\frac{14 \text{ bars} \div 14}{\$17 \div 14} = \frac{1 \text{ bar}}{\$1.21}$ *this unit rate makes more sense

11) 22 dollars for 5 books

12) 11 batteries cost 18 dollars

13) 6 calculators cost \$135.00

14) 95 miles on 5 gallons of gas

15) 9 inches of snow in 7 hours

16) 9 pencils for 12 dollars

