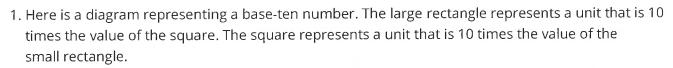
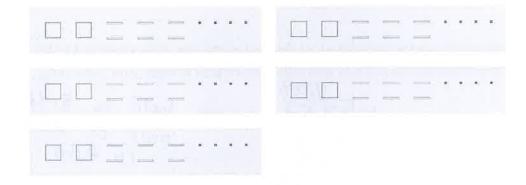
NAME

Unit 5, Lesson 12: Dividing Decimals by Whole Numbers

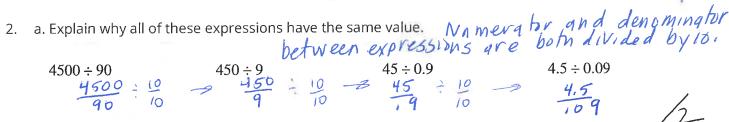




Here is a diagram showing the number being divided into 5 equal groups.



- a. If a large rectangle represents 1,000, what division problem did the second diagram show? What is its answer? $\frac{1}{320 \div 5} = 264$
- b. If a large rectangle represents 100, what division problem did the second diagram show? What is 132+5= 26.4 its answer?
- c. If a large rectangle represents 10, what division problem did the second diagram show? What is 13.2 = 5 = 2.64 its answer?



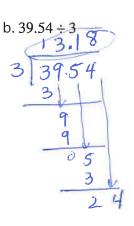
$$4500 \div 90 \\ \underline{4500} \div \frac{10}{9} = \frac{450 \div 9}{9} \div \frac{10}{10} = \frac{45 \div 0.9}{10} = \frac{4.5 \div 0.09}{10}$$

- 50 b. What is the common value?
- 3. Use long division to find each quotient.

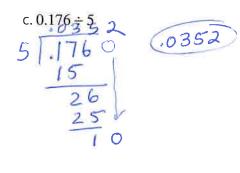
PERIOD

a. $7.89 \div 2$

NAME



DATE



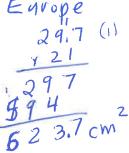
4. Four students set up a lemonade stand. At the end of the day, their profit is \$17.52. How much money do they each have when the profit is split equally? Show or explain your reasoning.



a. A standard sheet of paper in the United States is 11 inches long and 8.5 inches wide. Each inch is 2.54 centimeters. How long and wide is a standard sheet of paper in centimeters?

Challenge is 21.0 cm wide and 29.7 cm long. Which has the greater area, the standard sheet of paper in the United States or the standard sheet of paper in Europe? Explain your reasoning.

(from Unit 5, Lesson 8)



Europe