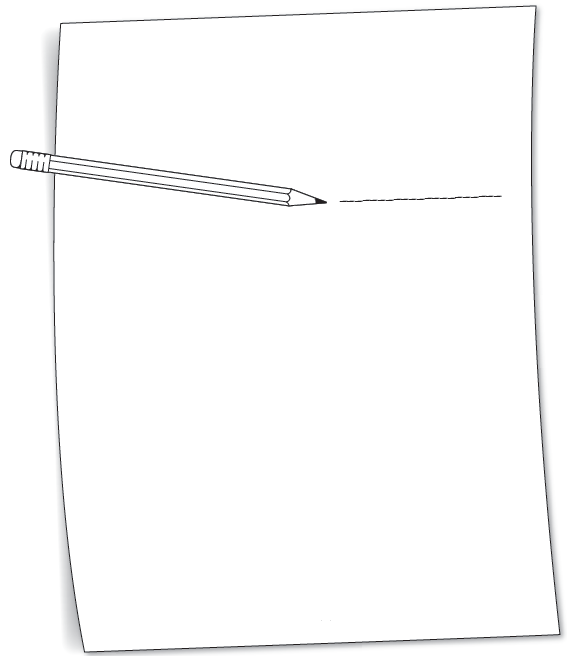
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**Family Letter**



**Vocabulary**

**coordinate plane** a plane in which a horizontal number line and vertical number line intersect at their zero points

**equivalent ratios** ratios that express the same relationship between two quantities

**ordered pair** a pair of numbers used to locate a point on the coordinate plane

**rate** a ratio that compares two quantities with different kinds of units

**ratio** a comparison of two quantities by division

**ratio table** a table with columns that are filled with pairs of numbers that have the same ratio

**scaling** multiplying or dividing two related quantities by the same number

**unit rate** a rate that has been simplified so that it has a denominator of 1 unit

***x*-coordinate** the first number of an ordered pair

***y*-coordinate** the second number in an ordered pair

**Dear Parent or Guardian:**

Today we began Chapter 1 Ratios and Rates. In this chapter, your student will learn how to express ratios and rates, use a ratio table, and use equivalent ratios to solve problems. Included in this letter are key vocabulary words and activities you can do with your student. If you have any questions or comments, feel free to contact me at school.

Sincerely,

**Course 1 · Chapter 1** Ratios and Rates

NAME

Compare the ratio of students to teachers at your school to the other schools. Discuss how these ratios might affect learning.

•

Find the ratio of the number of students to the number of teachers in each of the schools.

•

Make a list of middle schools in your district or nearby areas.

•

**Online Activity**

Discuss reasons when purchasing the

more expensive item is more appropriate for your situation.

•

Find unit rates for the items. Determine the better buy.

•

At the store, compare the prices for different sizes of items.

•

Make a grocery list with your family.

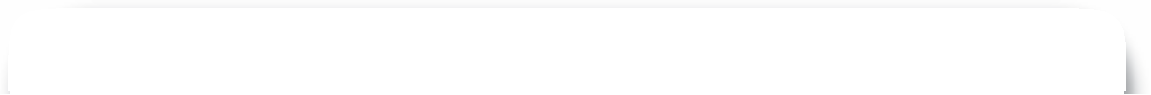
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**Real-World Activity**

**At-Home Activities**

PERIOD

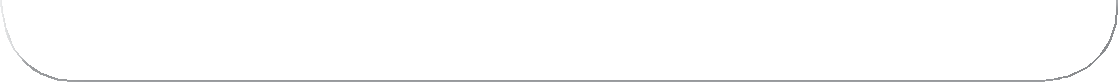
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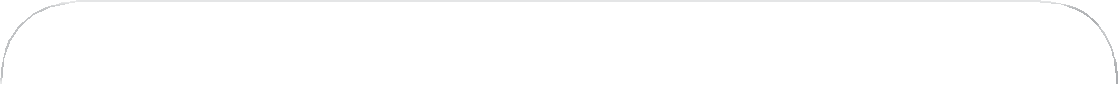










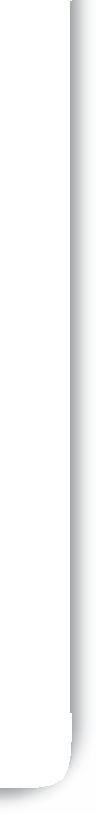




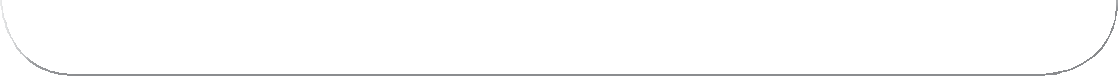




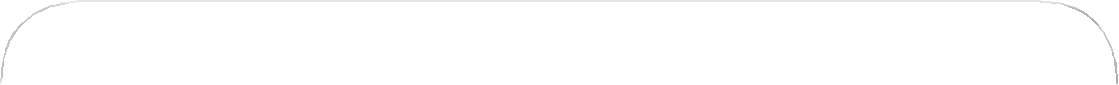
































































































**Course 1** • Chapter 1 Ratios and Rates