

## Family Letter

### Dear Parent or Guardian:

Ratios, rates, percents, and proportions help us to make decisions. We can use them to make models of objects and to determine distances on a map. We can also use them to make budget decisions, to determine the better buy at a grocery store, and to calculate sales tax.

**In Chapter 10: Ratio, Proportion, and Percent**, your child will learn how to express ratios and rates as fractions, to solve proportions, and to solve problems by drawing a diagram. Your child will also learn how to express percents as fractions and decimals and to find the percent of a number. Your child will complete a variety of daily classroom assignments and activities and possibly produce a chapter project.

By signing this letter and returning it with your child, you agree to encourage your child by getting involved. Enclosed is an activity you can do with your child that also relates the math we will be learning in Chapter 10 to the real world. You may also wish to log on to the **Online Study Tools** for self-check quizzes, Parent and Student Study Guide pages, and other study help at [www.msmath1.net](http://www.msmath1.net). If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian \_\_\_\_\_ DATE \_\_\_\_\_

## Family Activity

### Cars, Trucks, and Percents

Work with a family member to answer the following questions. Ask ten family members or friends what kind of cars they drive: sports utility, truck, sedan, van, convertible, or other. Record the results in the space below.

1. a. What percent of these people drive sports utility vehicles?

b. Express the percent as a decimal.

2. a. What percent of these people drive trucks?

b. Express the percent as a decimal.

3. a. What percent of these people drive sedans?

b. Express the percent as a decimal.

4. a. What percent of these people drive vans?

b. Express the percent as a decimal.