

Family Letter

Dear Parent or Guardian:

Using fractions, ratios, and decimals is part of our daily lives. Knowing how to represent and interpret these types of numbers helps us analyze statistics, measure lengths, and compare prices. In order to emphasize the importance of math skills, we try to relate classroom concepts to everyday events.

In **Chapter 5, Fractions and Decimals**, your child will learn to solve problems by making an organized list, and to find the greatest common factor and least common multiple of numbers to simplify and compare fractions. Your child will also learn to express mixed numbers as improper fractions and to write decimals as fractions and vice versa. In the study of this chapter, 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 5 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. If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian _____ Date _____

Family Activity

Writing Decimals as Fractions

Work with a family member. Batting averages are written as decimals to the thousandth place. For example, a sample batting average could be .266. Research three different baseball players and their batting averages in your local newspaper, library, or on the Internet.

- Write your players' names and their batting averages.

Players' Name	Batting Average
_____	_____
_____	_____
_____	_____

- Which player has the greatest batting average?

- Write each batting average as a fraction with a denominator of 1,000. Then if the fraction is not already written in simplest terms, write an equivalent fraction in simplest terms. For example, the batting average .266 would be written as $\frac{266}{1,000}$. Then an equivalent fraction in simplest terms is $\frac{133}{500}$.

Player's Name	Batting Average
_____	_____
_____	_____
_____	_____

- Suppose a baseball player has 16 hits from 53 times at bat. What is his batting average as a decimal to the nearest thousandth? Is it better or worse than the averages of the players you chose? Explain.

1-3. See students' work. 4. .302; See students' work.