



NAME _____

DATE _____

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Related Activities to Try at Home

Dear Families,

The activities below are related to the mathematics in the multiplication and division of fractions and decimals unit, *Races, Arrays, and Grids*. You can use the activities to enrich your child's mathematical learning experience.

Multiplying and Dividing with Fractions In this unit, students multiply and divide with fractions. Look for familiar and interesting situations that you can use as a basis for exploring these types of problems with your child. For example, when you are cooking with your child, ask questions like these:

- This recipe calls for $\frac{3}{4}$ cup of flour. We are going to triple the recipe. How much flour do we need? $(3 \times \frac{3}{4} = \text{_____})$
- We have 3 cups of milk. This recipe for muffins calls for $\frac{1}{4}$ cup of milk, how many batches of muffins can we make? $(3 \div \frac{1}{4} = \text{_____})$
- This recipe calls for 2 cups of flour. We are going to make only $\frac{3}{4}$ of a recipe. How much flour do we need? $(\frac{3}{4} \times 2 = \text{_____})$
- This recipe calls for $\frac{3}{4}$ cup of milk. We are going to make only half of a recipe. How much milk do we need? $(\frac{1}{2} \times \frac{3}{4} = \text{_____})$

Encourage students to draw representations to solve these problems.



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Related Activities to Try at Home

Multiplying and Dividing Decimals In this unit, students also multiply and divide with decimals. Look for familiar and interesting situations that you can use as a basis for exploring these types of problems with your child. Here are some examples:

- The box of crackers costs \$2.35. We are going to buy 3 boxes. How much will 3 boxes of crackers cost?
($3 \times \$2.35 = \underline{\hspace{2cm}}$)
- Our bill at the restaurant is \$69.18. We are going to split the bill evenly among our 3 families. How much does each family have to pay? ($\$69.18 \div 3 = \underline{\hspace{2cm}}$)

Converting Measurements In this unit, students convert measurements for distances, mass/weight, and capacity within the metric system and within the U.S. standard system. Have your child help you convert measurements that you use in your daily lives, such as converting meters to centimeters, ounces to pounds, inches to feet, quarts to gallons, and liters to milliliters.

How Did You Solve That? Ask your child to tell you about how he or she is solving problems. Also ask your child to record his or her work so that you can understand it. If some of the strategies your child is using are unfamiliar to you, ask your child to explain them carefully. Learning to clearly communicate one's thinking to others is an important emphasis in this unit.