

## LESSON

## 5-5

**Applying Operations with Rational Numbers****Reteach**

When a word problem involves fractions or decimals, use these four steps to help you decide which operation to use.

Tanya has  $13\frac{1}{2}$  feet of ribbon. To giftwrap boxes, she needs to cut it into  $\frac{7}{8}$ -foot lengths. How many lengths can Tanya cut?

<b>Step 1</b>	Read the problem carefully. What is asked for?	The number of lengths is asked for.
<b>Step 2</b>	Think of a simpler problem that includes only whole numbers.	Tanya has 12 feet of ribbon. She wants to cut it into 2-foot lengths. How many lengths can she cut?
<b>Step 3</b>	How would you solve the simpler problem?	Divide 12 by 2. Tanya can cut 6 lengths.
<b>Step 4</b>	Use the same reasoning with the original problem.	Divide $13\frac{1}{2}$ by $\frac{7}{8}$ . Tanya can cut 15 lengths.

**Tell whether you should multiply or divide. Then solve the problem.**

1. Jan has \$37.50. Tickets to a concert cost \$5.25 each.  
How many tickets can Jan buy?

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2. Jon has \$45.00. He plans to spend  $\frac{4}{5}$  of his money on sports equipment. How much will he spend?

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3. Ricki has 76.8 feet of cable. She plans to cut it into 7 pieces.  
How long will each piece be?

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4. Roger has  $2\frac{1}{2}$  cups of butter. A recipe for a loaf of bread requires  $\frac{3}{4}$  cup of butter. How many loaves can Roger bake?

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