# Fraction Word Problems
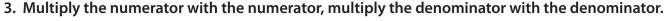## Multiplying With Whole Numbers

When you multiply a fraction with a whole number, first you must write the multiplication equation.

**Example:** Tammy drank $\frac{2}{3}$ gallon of lemonade. Susie drank 3 times more. How much did Susie drink?

1. Write multiplication equation. $\frac{2}{3}$ x 3

2. Write the whole number as a fraction by putting 1 as the denominator.

$$3 = \frac{3}{1} \quad \leftarrow numerator \\ \leftarrow denominator$$

3. Multiply the numerator with the numerator, multiply the denominator with the denominator.
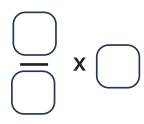
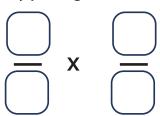$$\frac{2}{3} \times \frac{3}{1} = \frac{2 \times 3}{3 \times 1} = \frac{6}{3}$$

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**Solve the word problems by multiplying fractions.**

Rose ate $\frac{1}{8}$ of the soup in the pot. Kristi ate 4 times more than Rose did. How much soup did Kristi have?
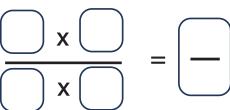
1. Write multiplication equation.

$$\frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}} \times \boxed{\phantom{0}}$$

2. Write the whole number as a fraction by putting 1 as the denominator.

$$\frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}} \times \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}$$

3. Multiply the numerator with the numerator, multiply the denominator with the denominator.

$$\frac{\boxed{\phantom{0}} \times \boxed{\phantom{0}}}{\boxed{\phantom{0}} \times \boxed{\phantom{0}}} = \frac{\boxed{\phantom{0}}}{}$$

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Jenn has 20 skirts. She donated $\frac{4}{5}$ of them. How much did she give away?