

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. $\frac{2}{3} \times 3$

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

$$3 = \frac{3}{1} \begin{array}{l} \leftarrow \text{numerator} \\ \leftarrow \text{denominator} \end{array}$$

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

$$\frac{2}{3} \times \frac{3}{1} = \frac{2 \times 3}{3 \times 1} = \frac{6}{3}$$



Solve the word problems by multiplying fractions.

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

1. Write multiplication equation.

$$\frac{\boxed{}}{\boxed{}} \times \boxed{}$$

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

$$\frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

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

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

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

