

Reteaching Page

5.3 Dividing Fractions

When you want to divide with fractions, you must know where the divisor is and **flip** it! You are creating what is called a **reciprocal**. (Two numbers are reciprocals if their product is one) When you create the reciprocal, you can multiply instead of divide.

Practice writing the **reciprocal** for each of the following.

$\frac{3}{4}$ _____

$\frac{5}{7}$ _____

$\frac{2}{9}$ _____

When you have a mixed number, you make it an improper fraction before creating the reciprocal.

Practice creating improper fractions. Then flip it to create the reciprocal.

$3 \frac{1}{2} =$ _____

$5 \frac{3}{8} =$ _____

$6 \frac{1}{7} =$ _____

Let's look more closely at division.

Alexa has $4 \frac{3}{4}$ yards of ribbon. She will use this to make 19 bows. How much ribbon will be used to make each bow?

Divide the ribbon ($4 \frac{3}{4}$) into 19 piles to make 19 bows.

$4 \frac{3}{4} \div 19 =$ Rewrite the words as a mathematical expression.

$\frac{19}{4} \div \frac{19}{1} =$ Change the mixed numbers into fractions

$\frac{19}{4} * \frac{1}{19} =$ Change the problem to multiplication by changing the divisor into its reciprocal (**flipping** it.)

$\frac{1}{4} * \frac{1}{1} =$ Simplify (if possible) ; multiply ; and simplify (if needed)

Let's practice!

$42 \div \frac{6}{7} =$

$\frac{42}{1} \div \frac{6}{7} =$ Change the mixed numbers into fractions

$\frac{42}{1} * \frac{7}{6} =$ Change the problem to multiplication by changing the divisor into its reciprocal (**flipping** it.)

$\frac{7}{1} * \frac{7}{1} =$ Simplify (if possible) ; multiply ; and simplify (if needed)

$75 \div \frac{1}{2} =$

$\frac{3}{4} \div \frac{3}{8} =$

$2 \frac{1}{2} \div 2 \frac{1}{2} =$

$4 \frac{3}{5} \div \frac{1}{5} =$

_____ * _____ = _____

_____ * _____ = _____

_____ * _____ = _____

_____ * _____ = _____