Name _____ Date _____

Dividing Fractions by Whole Numbers

You can divide a fraction by a whole number by multiplying by its reciprocal instead. Let's try it! Solve $\frac{3}{4} \div 2$.

First, find the reciprocal of the whole number. Start by writing the whole number as a fraction by placing it over 1. Then switch the numerator and denominator to find the reciprocal.

$$2 = \frac{2}{1} \qquad \frac{2}{1} \rightarrow \frac{1}{2}$$

Next, change the division problem into a multiplication problem. Multiply by the reciprocal that you found above. Make sure your answer is in simplest form.

$$\frac{3}{4} \div 2 = \frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$$

Try it yourself! Divide. Show your work and write your final answer in simplest form.

$\frac{1}{2} \div 3 =$		$\frac{1}{3} \div 8 =$	
$\frac{2}{5} \div 7 =$		$\frac{5}{6} \div 2 =$	
$\frac{5}{8} \div 5 =$		$\frac{2}{7} \div 3 =$	
$\frac{3}{10} \div 6 =$		$\frac{4}{5} \div 6 =$	
$\frac{4}{9} \div 2 =$		$\frac{3}{12} \div 4 =$	