DIVIDING FRACTIONS

Keep	Change	Flip	Fraction divided by a fraction	Whole number divided by a fraction	Fraction divided by a mixed number
First fraction stays the same	Operation changes from ÷ to x	Flip 2nd fraction for reciprocal			
Step 1: Write whole number as fraction; write mixed number as improper fraction.			$\frac{2}{3} \div \frac{1}{3}$	$9 \div \frac{1}{3}$ $\downarrow$ $\frac{9}{1} \div \frac{1}{3}$	$\frac{2}{3} \div 2\frac{1}{3}$ $\downarrow$ $\frac{2}{3} \div \frac{7}{3}$
Step 2: Find the reciprocal of the divisor (the number you are dividing by).			$\frac{2}{3} \div \frac{3}{1}$	$\frac{9}{1} \div \frac{3}{1}$	$\frac{2}{3} \div \frac{3}{7}$
Step 3: The reciprocal allows you to change the operation from division to multiplication.			$\frac{2}{3} \times \frac{3}{1}$	$\frac{9}{1} \times \frac{3}{1}$	$\frac{2}{3} \times \frac{3}{7}$
Step 4: Multiply the fractions.			$\frac{2}{3} \times \frac{3}{1} = \frac{6}{3}$	$\frac{9}{1} \times \frac{3}{1} = \frac{27}{1}$	$\frac{2}{3} \times \frac{3}{7} = \frac{6}{21}$
Step 5: Write the answer in simplest terms.			$\frac{6}{3} = 2$	$\frac{27}{1} = 27$	$\frac{6}{21} = \frac{2}{7}$