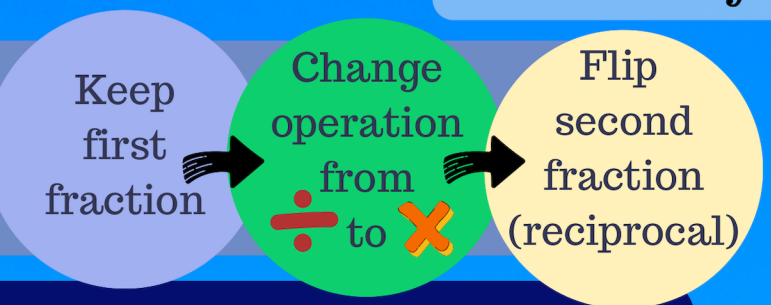


Dividing Fractions

Learn or recap how to divide: a fraction by a fraction, a whole number (integer) by a fraction and a fraction by a whole number.



Step 1: Convert whole numbers to fractions OR change mixed numbers to improper fractions.

Step 2: Find the **RECIPROCAL** of the divisor (the second fraction).

Step 3: Change the division symbol with a multiplication symbol - the **INVERSE** operation.

Step 4: **MULTIPLY** the fractions across.

Step 5: **SIMPLIFY**. If needed, convert to a mixed number or whole number.

Fraction divided by a fraction	Whole number divided by a fraction	Fraction divided by a whole number
$\frac{3}{4} \div \frac{2}{3}$	$2 \div \frac{1}{4}$	$\frac{1}{4} \div 3$
$\frac{3}{4} \div \frac{3}{2}$	$2 \div \frac{4}{1}$	$\frac{1}{4} \div \frac{3}{1}$
$\frac{3}{4} \times \frac{3}{2}$	$2 \times \frac{4}{1}$	$\frac{1}{4} \times \frac{1}{3}$
$\frac{3}{4} \times \frac{3}{2} = \frac{9}{8}$	$2 \times \frac{4}{1} = \frac{8}{1}$	$\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$
$\frac{9}{8} = 1 \frac{1}{8}$	$\frac{8}{1} = 8$	$\frac{1}{12}$ <i>Cannot Simplify</i>