Solving Equations Involving Fractions

Remember to solve equations our goal is to _____

To do this we use ______ to all numbers connected to that variable.

Example

Solve each equation.

$$\frac{1}{3}x = \frac{1}{5}$$

$$\frac{2}{3}x = \frac{5}{9}$$

$$1\frac{1}{5}x = \frac{3}{5}$$

$$4x = \frac{2}{3}$$

$$2\frac{1}{4} = 12x$$

$$3\frac{1}{8}x = 5\frac{5}{6}$$

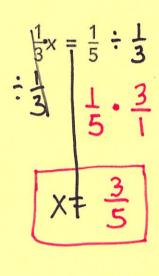
Solving Equations Involving Fractions

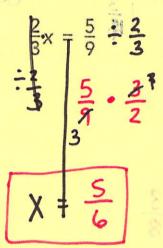
Remember to solve equations our goal is to get the variable by itself

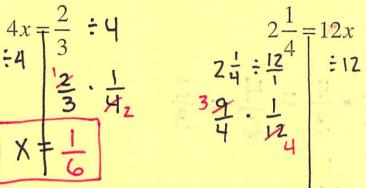
To do this we use ____inverse ____Operation__ to all numbers connected to that variable.

Example

Solve each equation.







$$3\frac{1}{8}x = 5\frac{5}{6} \div 3\frac{1}{8}$$

$$3\frac{1}{8} \times 3\frac{5}{6} \div 2\frac{5}{8}$$

$$7\frac{35}{36} \cdot \frac{8}{25}$$

$$15 = 1\frac{13}{15}$$