## Solve Fractional Coefficients

 $\frac{2}{3}x = 12$ 

**1.** Use parentheses to multiply both sides by the reciprocal of the coefficient.

$$\left(\frac{3}{2}\right)\frac{2}{3}x = 12\left(\frac{3}{2}\right)$$

2. Add a denominator of one to integers.

$$\left(\frac{3}{2}\right)\frac{2}{3}x = \frac{12}{1}\left(\frac{3}{2}\right)$$

**3.** Slash out common numerators and denominators.

$$(\mathbf{x} = \frac{12}{1}(\frac{3}{2}))$$

4. Bring down the variable and equal sign.

$$\sum_{x=1}^{3} x = \frac{12}{1} \left(\frac{3}{2}\right)$$
$$x =$$

**5.** Simplify the fractions and multiply  $(6 \times 3 = 18)$ .

$$(\mathbf{x} = \frac{\mathbf{x}}{1} (\mathbf{x} = \frac{\mathbf{x}}{1} (\mathbf{x} = \frac{\mathbf{x}}{1})$$
$$x = 18$$