![Math Antics® Exercises]

Solving Basic Equations – Part 2

1 Solve for x

$$\frac{\cancel{3}x}{\cancel{3}} = \frac{6}{3}$$

$$\boxed{x = 2}$$

2 Solve for x

$$\frac{\cancel{6}x}{\cancel{6}} = \frac{24}{6}$$

$$\boxed{x = 4}$$

3 Solve for x

$$\frac{60}{12} = \frac{\cancel{12}x}{\cancel{12}}$$

$$5 = x$$

or $\boxed{x = 5}$

4 Solve for x

$$\frac{\cancel{0.5}x}{\cancel{0.5}} = \frac{1}{0.5}$$

$$\boxed{x = 2}$$

5 Solve for x

$$(4)\frac{x}{\cancel{4}} = 3\,(4)$$

$$\boxed{x = 12}$$

6 Solve for x

$$(8)\frac{x}{\cancel{8}} = 12\,(8)$$

$$\boxed{x = 96}$$

7 Solve for x

$$(7)\,15 = \frac{x}{\cancel{7}}\,(7)$$

$$105 = x$$

or $\boxed{x = 105}$

8 Solve for x

$$(0.2)\frac{x}{\cancel{0.2}} = 10\,(0.2)$$

$$\boxed{x = 2}$$

9 Solve for x

$$(x)\frac{15}{\cancel{x}} = 3\,(x)$$

$$\frac{15}{3} = \frac{\cancel{3}x}{\cancel{3}}$$

$$5 = x \quad \text{or} \quad \boxed{x = 5}$$

10 Solve for x

$$(x)\frac{10}{\cancel{x}} = 4\,(x)$$

$$\frac{10}{4} = \frac{\cancel{4}x}{\cancel{4}}$$

$$2.5 = x \quad \text{or} \quad \boxed{x = 2.5}$$