# Math Antics® Worksheets

## Solving Basic Equations with Addition or Subtraction - Set 1

**Instructions:** Use addition or subtraction to solve each equation.

**1**
$$x + 5 = 16$$
$$-5 \quad -5$$
$$\boxed{x = 11}$$

**2**
$$x - 8 = 12$$
$$+8 \quad +8$$
$$\boxed{x = 20}$$

**3**
$$x - 10 = 4$$
$$+10 \quad +10$$
$$\boxed{x = 14}$$

**4**
$$3 + x = 18$$
$$-3 \qquad -3$$
$$\boxed{x = 15}$$

**5**
$$29 = x - 11$$
$$+11 \qquad +11$$
$$40 = x$$
$$\boxed{x = 40}$$

**6**
$$13 = x + 13$$
$$-13 \qquad -13$$
$$0 = x$$
$$\boxed{x = 0}$$

**7**
$$12 - x = 5$$
$$+x \quad +x$$
$$12 = 5 + x$$
$$-5 \quad -5$$
$$7 = x \quad \text{or} \quad \boxed{x = 7}$$

**8**
$$12 + x = 15$$
$$-12 \qquad -12$$
$$\boxed{x = 3}$$

**9**
$$x - 9 = 23$$
$$+9 \qquad +9$$
$$\boxed{x = 32}$$

**10**
$$25 - x = 11$$
$$+x \qquad +x$$
$$25 = 11 + x$$
$$-11 \quad -11$$
$$14 = x \quad \text{or} \quad \boxed{x = 14}$$

**11**
$$x + 18 = 31$$
$$-18 \quad -18$$
$$\boxed{x = 13}$$

**12**
$$x - 6 = 17$$
$$+6 \quad +6$$
$$\boxed{x = 23}$$

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## Solving Basic Equations with Addition or Subtraction - Set 2

**Instructions:** Use addition or subtraction to solve each equation.

**1** $7 + x = 19$
$-7 \qquad -7$
$\boxed{x = 12}$

**2** $14 - x = 5$
$\phantom{14} +x \quad +x$
$14 = 5 + x$
$\phantom{14} -5 \quad -5$
$9 = x$ or $\boxed{x = 9}$

**3** $3 = x - 41$
$+41 \qquad +41$
$44 = x$
$\boxed{x = 44}$

**4** $14 + x = 26$
$-14 \qquad -14$
$\boxed{x = 12}$

**5** $45 - x = 32$
$\phantom{45} +x \quad +x$
$45 = 32 + x$
$\phantom{45} -32 \quad -32$
$13 = x$ or $\boxed{x = 13}$

**6** $25 = x + 24$
$-24 \qquad -24$
$1 = x$
$\boxed{x = 1}$

**7** $39 - x = 12$
$\phantom{39} +x \quad +x$
$39 = 12 + x$
$\phantom{39} -12 \quad -12$
$27 = x$ or $\boxed{x = 27}$

**8** $80 - x = 54$
$\phantom{80} +x \quad +x$
$80 = 54 + x$
$\phantom{80} -54 \quad -54$
$26 = x$ or $\boxed{x = 26}$

**9** $x - 15 = 6$
$+15 \quad +15$
$\boxed{x = 21}$

**10** $x - 3 = 75$
$+3 \quad +3$
$\boxed{x = 78}$

**11** $11 + x = 30$
$-11 \qquad -11$
$\boxed{x = 19}$

**12** $x + 33 = 98$
$-33 \quad -33$
$\boxed{x = 65}$

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## Solving Basic Equations (with decimals)

**Instructions:** Use addition or subtraction to solve each equation. You can use a calculator to do the decimal arithmetic if you'd like to.

**1**   $x + 2.5 = 4.0$
$\phantom{x}-2.5 \quad -2.5$
$\boxed{x = 1.5}$

**2**   $x - 0.6 = 1.1$
$\phantom{x}+0.6 \quad +0.6$
$\boxed{x = 1.7}$

**3**   $3.1 = x - 1.5$
$+1.5 \qquad +1.5$
$4.6 = x$
$\boxed{x = 4.6}$

**4**   $6.4 = x + 2.6$
$-2.6 \qquad -2.6$
$3.8 = x$
$\boxed{x = 3.8}$

**5**   $1.7 - x = 1.2$
$\phantom{x}+x \qquad +x$
$1.7 = 1.2 + x$
$-1.2 \quad -1.2$
$0.5 = x \quad \text{or} \boxed{x = 0.5}$

**6**   $0.9 + x = 1.0$
$-0.9 \qquad -0.9$
$\boxed{x = 0.1}$

**7**   $x - 3.6 = 1.4$
$\phantom{x}+3.6 \quad +3.6$
$\boxed{x = 5.0}$

**8**   $1.05 + x = 2.2$
$-1.05 \qquad -1.05$
$\boxed{x = 1.15}$

**9**   $x - 0.1 = 0.9$
$\phantom{x}+0.1 \quad +0.1$
$\boxed{x = 1.0}$

**10**   $3.14 - x = 0.55$
$\phantom{xx}+x \qquad +x$
$3.14 = 0.55 + x$
$-0.55 \quad -0.55$
$2.59 = x \quad \text{or} \boxed{x = 2.59}$

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# Math Antics Worksheets

## Solving Basic Equations (with negative numbers)

**Instructions:** Use addition or subtraction to solve each equation.

**1**
$$x + 2 = -4$$
$$-2 \quad -2$$
$$\boxed{x = -6}$$

**2**
$$x - 8 = -3$$
$$+8 \quad +8$$
$$\boxed{x = 5}$$

**3**
$$-7 = x - 7$$
$$+7 \qquad +7$$
$$0 = x$$
$$\boxed{x = 0}$$

**4**
$$-15 = x + 13$$
$$-13 \qquad -13$$
$$-28 = x$$
$$\boxed{x = -28}$$

**5**
$$x - 10 = -1$$
$$+10 \quad +10$$
$$\boxed{x = 9}$$

**6**
$$-1 - x = -8$$
$$+x \qquad +x$$
$$-1 = -8 + x$$
$$+8 \quad +8$$
$$7 = x \quad \text{or} \quad \boxed{x = 7}$$

**7**
$$-25 + x = -8$$
$$+25 \qquad +25$$
$$\boxed{x = 17}$$

**8**
$$-14 + x = 10$$
$$+14 \qquad +14$$
$$\boxed{x = 24}$$

**9**
$$-30 - x = -25$$
$$+x \qquad +x$$
$$-30 = -25 + x$$
$$+25 \quad +25$$
$$-5 = x \quad \text{or} \quad \boxed{x = -5}$$

**10**
$$x - 20 = -6$$
$$+20 \quad +20$$
$$\boxed{x = 14}$$