

KEY

One-Step Equations

Solve each equation.

1) $26 = 8 + v$

$$\begin{array}{r} -8 \\ -8 \end{array}$$

$$18 = v$$

$$\boxed{v = 18}$$

2) $3 + p = 8$

$$\begin{array}{r} -3 \\ -3 \end{array}$$

$$\boxed{p = 5}$$

3) $15 + b = 23$

$$\begin{array}{r} -15 \\ -15 \end{array}$$

$$\boxed{b = 8}$$

4) $-15 + n = -9$

$$\begin{array}{r} +15 \\ +15 \end{array}$$

$$\boxed{n = 6}$$

5) $m + 4 = -12$

$$\begin{array}{r} -4 \\ -4 \end{array}$$

$$\boxed{m = -16}$$

6) $x - 7 = 13$

$$\begin{array}{r} +7 \\ +7 \end{array}$$

$$\boxed{x = 20}$$

7) $m - 9 = -13$

$$\begin{array}{r} +9 \\ +9 \end{array}$$

$$\boxed{m = -4}$$

8) $p - 6 = -5$

$$\begin{array}{r} +6 \\ +6 \end{array}$$

$$\boxed{p = 1}$$

9) $v - 15 = -27$

$$\begin{array}{r} +15 \\ +15 \end{array}$$

$$\boxed{v = -12}$$

10) $n + 16 = 9$

$$\begin{array}{r} -16 \\ -16 \end{array}$$

$$\boxed{n = -7}$$

11) $\frac{-104}{8} = \frac{8x}{8}$

$$\frac{-104}{8} = x$$

$$-13 = x$$

$$\boxed{x = -13}$$

12) $\frac{14b}{14} = \frac{-56}{14}$

$$\frac{14b}{14} = -4$$

$$\boxed{b = -4}$$

13) $\frac{(-6)}{18x} = \frac{b}{18} \cdot \frac{18}{1}$

$$-108 = b$$

$$\boxed{b = -108}$$

14) $\frac{10n}{10} = \frac{40}{10}$

$$n = 4$$

$$\boxed{n = 4}$$

$$15) \frac{v}{8} = 2 \cdot 8$$

$$v = 16$$

$$17) \frac{-15x}{-15} = \frac{0}{-15}$$

$$x = 0$$

$$19) \frac{21}{-7} = \frac{-7n}{-7}$$

$$-3 = n$$

$$n = -3$$

$$21) \frac{-126}{14} = \frac{14k}{14}$$

$$-9 = k$$

$$k = -9$$

$$23) \frac{-16 + x}{+16} = \frac{-15}{+16}$$

$$x = 1$$

$$25) \frac{-17}{+15} = \frac{x - 15}{+15}$$

$$-2 = x$$

$$x = -2$$

$$27) \frac{v}{8} = 8 \cdot 7$$

$$v = 56$$

$$29) \frac{-7 + m}{+7} = \frac{8}{+7}$$

$$m = 15$$

$$16) \frac{16}{11} = \frac{k}{11} \times \frac{11}{1}$$

$$176 = k$$

$$k = 176$$

$$18) \frac{-17x}{-17} = \frac{-204}{-17}$$

$$x = 12$$

$$20) \frac{4m}{14} = -13 \cdot 4$$

$$m = -52$$

$$22) \frac{-143}{-11} = \frac{-11x}{-11}$$

$$13 = x$$

$$x = 13$$

$$24) \frac{(-5)}{12} = \frac{a}{18} \cdot \frac{18}{1}$$

$$-90 = a$$

$$a = -90$$

$$26) \frac{n - 8}{+8} = \frac{-10}{+8}$$

$$n = -2$$

$$28) \frac{a + 11}{-11} = \frac{20}{-11}$$

$$a = 9$$

$$30) \frac{18 + m}{-18} = \frac{8}{-18}$$

$$m = -10$$