

Solving Two-Step Equations

Solve:

- (a) $2x + 3 = 15$ (b) $3x - 7 = 11$
(c) $7 + 5x = 27$ (d) $4x + 1.5 = 4.5$
(e) $3x + 10 = 1$ (f) $5 = 2x - 9$
(g) $7x + 7 = 0$ (h) $4x - 1 = 6$
(i) $5 + 2x = 8$ (j) $6x - 0.5 = 2.5$

- (a) $x = 6$ (b) $x = 6$
(c) $x = 4$ (d) $x = \frac{3}{4}$
(e) $x = -3$ (f) $x = 7$
(g) $x = -1$ (h) $x = \frac{7}{4}$
(i) $x = \frac{3}{2}$ (j) $x = \frac{1}{2}$

Solve:

- (a) $\frac{x}{2} + 1 = 5$ (b) $\frac{x}{3} - 2 = 13$
(c) $6 + \frac{x}{2} = 18$ (d) $\frac{x}{5} + 2.4 = 3.6$
(e) $\frac{x}{3} + 9 = 3$ (f) $\frac{x}{4} - 1 = 0$
(g) $6 = \frac{x}{7} - 8$ (h) $\frac{x}{2} - 5 = 1.5$
(i) $2.5 + \frac{x}{5} = 3$ (j) $2 + \frac{x}{3} = -1$

- (a) $x = 8$ (b) $x = 45$
(c) $x = 24$ (d) $x = 6$
(e) $x = -18$ (f) $x = 4$
(g) $x = 98$ (h) $x = 13$
(i) $x = 2.5$ (j) $x = -9$

Solve:

- (a) $\frac{x+3}{2} = 5$ (b) $\frac{x-2}{7} = 1$
(c) $4 = \frac{x+1}{3}$ (d) $\frac{x-5}{2} = -2$
(e) $\frac{x+2}{5} = 1.5$ (f) $\frac{x+0.5}{4} = 3$
(g) $7 = \frac{x-10}{3}$ (h) $\frac{x+9}{4} = 2$
(i) $\frac{x-3}{9} = 0.5$ (j) $-2.5 = \frac{x-2}{3}$

- (a) $x = 7$ (b) $x = 9$
(c) $x = 11$ (d) $x = 1$
(e) $x = 5.5$ (f) $x = 11.5$
(g) $x = 31$ (h) $x = -1$
(i) $x = 7.5$ (j) $x = -5.5$

Solve:

- (a) $\frac{x+4}{8} = 0.2$ (b) $2.5x - 1 = 14$
(c) $\frac{x}{2} - 6 = -0.6$ (d) $3 = 2x + 3$
(e) $5 + \frac{x}{2} = -1$ (f) $-20 = \frac{x+7}{3}$
(g) $3x - 4 = 1$ (h) $\frac{x}{3} - 2 = \frac{1}{4}$
(i) $8 + \frac{x}{2} = 0$ (j) $5 = 9 - 2x$

- (a) $x = -2.4$ (b) $x = 6$
(c) $x = 10.8$ (d) $x = 0$
(e) $x = -12$ (f) $x = -67$
(g) $x = \frac{5}{3}$ (h) $x = 6\frac{3}{4}$
(i) $x = -16$ (j) $x = 2$