

Two-Step Equations

Sheet 1

Solve each equation.

1) $6.6x + 2 = 8.6$

2) $10 = -\frac{3}{5}\left(w - \frac{1}{3}\right)$

3) $\frac{c - 11}{\left(\frac{1}{7}\right)} = -1$

4) $2.4 = 4.6 + 0.2z$

5) $\frac{4}{3} = \frac{2}{3}\left(t + \frac{7}{3}\right)$

6) $\frac{9}{2} - 12v = \frac{1}{4}$

7) $0.8y - 4.2 = 9.4$

8) $5g + 4 = -6$

9) $\frac{a + 8}{9} = 3$

10) $1\frac{3}{4} - \frac{5}{6}r = \frac{8}{3}$

Answer Key**Two-Step Equations**

Sheet 1

Solve each equation.

1) $6.6x + 2 = 8.6$

$x = 1$

2) $10 = -\frac{3}{5}\left(w - \frac{1}{3}\right)$

$w = -\frac{49}{3}$ or $-16\frac{1}{3}$

3) $\frac{c - 11}{\left(\frac{1}{7}\right)} = -1$

$c = \frac{76}{7}$ or $10\frac{6}{7}$

4) $2.4 = 4.6 + 0.2z$

$z = -11$

5) $\frac{4}{3} = \frac{2}{3}\left(t + \frac{7}{3}\right)$

$t = -\frac{1}{3}$

6) $\frac{9}{2} - 12v = \frac{1}{4}$

$v = \frac{17}{48}$

7) $0.8y - 4.2 = 9.4$

$y = 17$

8) $5g + 4 = -6$

$g = -2$

9) $\frac{a + 8}{9} = 3$

$a = 19$

10) $1\frac{3}{4} - \frac{5}{6}r = \frac{8}{3}$

$r = -\frac{11}{10}$ or $-1\frac{1}{10}$