

**Two-Step Equations: Fractions**

Solve each equation.

1)  $\frac{8}{3} + \frac{h}{\left(\frac{1}{4}\right)} = -10$

2)  $7\frac{2}{3} = -\frac{1}{3}x + \frac{5}{3}$

3)  $\frac{5}{6}b - \frac{10}{3} = \frac{7}{2} - 11r$

5)  $\frac{1}{2}m + \frac{14}{9} = -\left(-\frac{9}{5} + s\right)$

7)  $3\frac{1}{2} - 9t = \frac{9}{2} - \frac{13}{6}$

9)  $-12 = \frac{6}{7}\left(\frac{8}{3} + u\right)$

10)  $-\frac{3}{4} + 4a = \frac{1}{2}$

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**Two-Step Equations: Fractions**

Solve each equation.

1)  $\frac{8}{3} + \frac{h}{\left(\frac{1}{4}\right)} = -10$

$$h = -\frac{19}{6} \text{ or } -3\frac{1}{6}$$

2)  $7\frac{2}{3} = -\frac{1}{3}x + \frac{5}{3}$

$$x = -18$$

3)  $\frac{5}{6}b - \frac{10}{3} = \frac{7}{2}$

$$b = \frac{41}{5} \text{ or } 8$$

5)  $\frac{1}{2}m + \frac{14}{9} = -\left(-\frac{9}{5} + s\right)$

$$m = -\frac{7}{9}$$

7)  $3\frac{1}{2} - 9t = \frac{9}{2}$

$$t = -\frac{1}{9}$$

9)  $-12 = \frac{6}{7}\left(\frac{8}{3} + u\right)$

$$u = -\frac{50}{3} \text{ or } -16\frac{2}{3}$$

10)  $-\frac{3}{4} + 4a = \frac{1}{2}$

$$a = \frac{5}{16}$$

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