

## Two-Step Equations: Fractions

Solve each equation.

1)  $\frac{m}{\left(\frac{3}{7}\right)} - 14 = 11$

2)  $\frac{5}{8}q + \frac{7}{4} = 9q$

3)  $-3\frac{3}{7} = \frac{6}{7} + 5\frac{4}{3}$

5)  $\frac{9}{5}r - 6 = \frac{3}{4}$

7)  $-\frac{7}{5}k - \frac{11}{10} = \frac{13}{4}$

9)  $-\frac{7}{3} = -4\frac{5}{7} - x$

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

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**Two-Step Equations: Fractions**

Solve each equation.

1)  $\frac{m}{\left(\frac{3}{7}\right)} - 14 = 11$

$m = \frac{75}{7} \text{ or } 10\frac{5}{7}$

2)  $\frac{5}{8}q + \frac{7}{4} = 9q$

$q = \frac{14}{67}$

3)  $-3\frac{3}{7} = \frac{6}{7} + 5t$

$t = -\frac{6}{7}$

5)  $\frac{9}{5}r - 6 = \frac{3}{4}$

$r = \frac{15}{4} \text{ or } 3\frac{3}{4}$

7)  $-\frac{7}{5}k - \frac{11}{10} =$

$k = -\frac{11}{54}$

9)  $-\frac{7}{3} = -4\frac{5}{7} - x$

$x = -\frac{50}{21} \text{ or } -2\frac{8}{21}$

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

$z = -\frac{7}{5} \text{ or } -1\frac{2}{5}$

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