

Two-Step Equations: Fractions

Sheet 1

Solve each equation.

1) $\frac{7}{6}d + \frac{4}{3} = -\frac{1}{3}$

2) $5\frac{1}{2} - u = \frac{9}{4}$

3) $-m - \frac{7}{8} = -10$

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

5) $2\frac{2}{5} = \frac{3}{8} + \frac{h}{\left(\frac{1}{3}\right)}$

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

7) $\frac{9}{4}\left(w - \frac{1}{9}\right) = \frac{7}{2}$

8) $\frac{y}{\left(\frac{5}{3}\right)} + 5 = 2\frac{5}{6}$

9) $-\frac{2}{3}p + \frac{8}{3} = -3p$

10) $-2\frac{1}{7}n - \frac{6}{7} = -1\frac{3}{7}$

Answer Key**Two-Step Equations: Fractions**

Sheet 1

Solve each equation.

1) $\frac{7}{6}d + \frac{4}{3} = -\frac{1}{3}$

$d = -\frac{10}{7}$ or $-1\frac{3}{7}$

2) $5\frac{1}{2} - u = \frac{9}{4}$

$u = \frac{13}{4}$ or $3\frac{1}{4}$

3) $-m - \frac{7}{8} = -10$

$m = \frac{73}{8}$ or $9\frac{1}{8}$

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

$q = -\frac{2}{35}$

5) $2\frac{2}{5} = \frac{3}{8} + \frac{h}{\left(\frac{1}{3}\right)}$

$h = \frac{27}{40}$

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

$c = -\frac{27}{8}$ or $-3\frac{3}{8}$

7) $\frac{9}{4}\left(w - \frac{1}{9}\right) = \frac{7}{2}$

$w = \frac{5}{3}$ or $1\frac{2}{3}$

8) $\frac{y}{\left(\frac{5}{3}\right)} + 5 = 2\frac{5}{6}$

$y = -\frac{65}{18}$ or $-3\frac{11}{18}$

9) $-\frac{2}{3}p + \frac{8}{3} = -3p$

$p = -\frac{8}{7}$ or $-1\frac{1}{7}$

10) $-2\frac{1}{7}n - \frac{6}{7} = -1\frac{3}{7}$

$n = \frac{4}{15}$