

One-Step Equations: Fractions

Solve each equation. Verify your answer.

1) $\frac{a}{\left(\frac{9}{7}\right)} = 2\frac{2}{3}$

2) $w - \frac{1}{6} = \frac{5}{6}$

3) $7 = z + \frac{8}{9}$

5) $\frac{3}{7} = \frac{9}{5}k$

7) $-2\frac{1}{2} = n - \frac{1}{8}$

9) $\frac{q}{\left(-\frac{2}{3}\right)} = \frac{3}{4}$

10) $-\frac{8}{5} = -\frac{2}{9}d$

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One-Step Equations: Fractions

Solve each equation. Verify your answer.

1) $\frac{a}{\left(\frac{9}{7}\right)} = 2\frac{2}{3}$

$a = \frac{24}{7} \text{ or } 3\frac{3}{7}$

2) $w - \frac{1}{6} = \frac{5}{6}$

$w = 1$

3) $7 = z + \frac{8}{9}$

$z = \frac{55}{9} \text{ or } 6\frac{1}{9}$

5) $\frac{3}{7} = \frac{9}{5}k$

$k = \frac{5}{21}$

7) $-2\frac{1}{2} = n - \frac{1}{8}$

$n = -\frac{19}{8} \text{ or } -2\frac{5}{8}$

10) $-\frac{8}{5} = -\frac{2}{9}d$

$d = \frac{36}{5} \text{ or } 7\frac{1}{5}$

9) $\frac{q}{\left(-\frac{2}{3}\right)} = \frac{3}{4}$

$q = -\frac{1}{2}$

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