

**Multi-Step Equations: Fractions**

Solve each equation.

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

2)  $\frac{9c + 7}{6} = \frac{1}{4}(2 + c)$

3)  $\frac{8}{3}(4 + z) = \frac{5z}{2}$

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5)  $42 = 14\left(4 + \frac{4}{5}\right)$

$\frac{1}{3} - d$

7)  $\frac{4}{9}(u + 3) = \frac{u + 13}{8}$

8)  $9\left(b - \frac{2}{9}\right) = \frac{3}{5}b + 2\frac{1}{5}$

**Multi-Step Equations: Fractions**

Solve each equation.

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

2)  $\frac{9c + 7}{6} = \frac{1}{4}(2 + c)$

$u = \frac{26}{5} \text{ or } 5\frac{1}{5}$

$c = \frac{8}{5}$

3)  $\frac{8}{3}(4 + z) = \frac{5z}{2}$

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$z = -58$

5)  $42 = 14\left(4 + \frac{4}{5}s\right)$

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$\frac{1}{3} - d$

$s = -\frac{5}{4} \text{ or } -1\frac{1}{4}$

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7)  $\frac{4}{9}(u + 3) = \frac{u + 13}{8}$

8)  $9\left(b - \frac{2}{9}\right) = \frac{3}{5}b + 2\frac{1}{5}$

$u = \frac{21}{23}$

$b = \frac{1}{2}$