

Name : \_\_\_\_\_

## Two-Step Equations: Fractions

Sheet 3

Solve each equation. Verify your answer.

1)  $\frac{s+9}{3} = \frac{8}{9}$

2)  $12p - \frac{7}{4} = 11p + \frac{9}{5}$

3)  $-q + \frac{6}{5} = -\frac{8}{3}$

5)  $4t - 2\frac{3}{5} = -\frac{1}{5}$

7)  $\frac{y}{\left(\frac{3}{4}\right)} - \frac{8}{5} = -\frac{2}{5}$

9)  $7 = 3\frac{1}{7} + 4g$

10)  $-\frac{4}{3}k - \frac{3}{8} = \frac{2}{3}k$

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d)

**Two-Step Equations: Fractions**

Solve each equation. Verify your answer.

1)  $\frac{s+9}{3} = \frac{8}{9}$

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

2)  $12p - \frac{7}{4} = 11p + \frac{9}{5}$

$p = \frac{71}{20} \text{ or } 3\frac{11}{20}$

3)  $-q + \frac{6}{5} = -\frac{8}{3}$

$q = \frac{58}{15} \text{ or } 3\frac{1}{3}$

5)  $4t - 2\frac{3}{5} = -\frac{1}{5}$

$t = 0$

7)  $\frac{y}{\left(\frac{3}{4}\right)} - \frac{8}{5} = -\frac{2}{5}$

$y = \frac{9}{10}$

9)  $7 = 3\frac{1}{7} + 4g$

$g = \frac{27}{28}$

10)  $-\frac{4}{3}k - \frac{3}{8} = \frac{2}{3}k$

$k = -\frac{3}{16}$

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