

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

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

**Two-Step Equations: Fractions**

Solve each equation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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