

Name: _____

Date: _____ Period _____

Learning to Solve Two Step Equations with Fractions **Answers**

1a. $3x + 8 = 17$

$x = 3$

1b. $\frac{8}{9}x + \frac{1}{6} = \frac{5}{6}$

$x = \frac{3}{4}$

2a. $4y - 6 = 10$

$y = 4$

2b. $\frac{1}{4}y - \frac{2}{8} = \frac{5}{8}$

$y = \frac{7}{2}$

3a. $-9m + 5 = 32$

$m = -3$

3b. $-\frac{2}{5}m + \frac{3}{10} = \frac{7}{10}$

$m = -1$

4a. $-12k + 8 = -28$

$k = 3$

4b. $-\frac{3}{14}k + \frac{5}{7} = -\frac{4}{7}$

$k = 6$

5a. $5h - 6 = 39$

$h = 9$

5b. $\frac{3}{8}h - \frac{1}{4} = \frac{5}{8}$

$h = \frac{7}{3}$

6a. $9a - 3 = 24$

$$a = 3$$

6b. $\frac{15}{18}a - \frac{5}{12} = \frac{4}{9}$

$$a = \frac{31}{30}$$

7a. $3w - 12 = -15$

$$w = -1$$

7b. $\frac{2}{3}w - \frac{8}{15} = -\frac{7}{10}$

$$w = -\frac{1}{4}$$

8a. $-4k + 16 = -24$

$$k = 10$$

8b. $-\frac{10}{36}k + \frac{4}{9} = -\frac{5}{6}$

$$k = \frac{23}{5}$$

9a. $-8g + 22 = -10$

$$g = 4$$

9b. $\frac{g}{28} + \frac{4}{7} = -\frac{7}{8}$

$$g = \frac{-81}{2}$$

10a. $-9f - 51 = 3$

$$f = -6$$

10b. $-\frac{2}{5}f - \frac{9}{20} = \frac{5}{8}$

$$f = \frac{-43}{16}$$