

## HW 4-2

One-Step Equations with  
Ration Numbers

## Unit 4

I  
Int 1

**Instructions:** For each of the following equations, you must do these 3 steps to get full credit.

- 1) Circle the variable and set up your lines.
- 2) Use Inverse Operations on BOTH SIDES.
- 3) Solve with the variable in your answer.

Remember, you can check your answers to make sure that you got the right answer!

1)  $4.5 = x + 3.5$

$$x = 1$$

5)  $1.2x = 6$

$$x = 5$$

9)  $3\frac{1}{3} = -\frac{1}{2}n$

$$n = -\frac{20}{3}$$

2)  $t - 5.6 = 7.1$

6)  $14.4 = -2.4b$

3)  $g + \frac{3}{4} = \frac{2}{3}$

$$g = -\frac{1}{12}$$

7)  $-3.6h = -10.8$

$$h = 3$$

10)  $-\frac{7}{9}m = -\frac{11}{6}$

4)  $m - \frac{1}{8} = 4$

8)  $\frac{2}{5}t = \frac{12}{25}$

11)  $5x = -24.5$

$$x = -4.9$$

$$12) \quad 22.8 = 6n$$

$$16) \quad -4\frac{7}{8} + k = 5\frac{1}{8}$$

$$20) \quad 1\frac{3}{4}x = 2$$

$$13) \quad \frac{7}{8}k = \frac{5}{6}$$

$$17) \quad g - \frac{2}{7} = 6$$

$$21) \quad 2.5v = 5$$

$$k = \frac{20}{21}$$

$$g = 6\frac{2}{7}$$

$$v = 2$$

$$14) \quad 6\frac{1}{4} = \frac{3}{5}c$$

$$18) \quad 2\frac{1}{3} = b + 5\frac{1}{8}$$

$$22) \quad 2.6 + b = 4$$

$$15) \quad \frac{4}{7}b = -8\frac{2}{3}$$

$$19) \quad \frac{2}{3} + c = \frac{1}{2}$$

$$23) \quad 4.5t = 9$$

$$b = -\frac{91}{6}$$

$$c = -\frac{1}{6}$$

$$t = 2$$

$$24) \quad 1\frac{1}{2}m = 2\frac{5}{6}$$