

## HW 4-2

One-Step Equations with  
Ration Numbers

## Unit 4

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!

$$1) \quad 4.5 = x + 3.5$$

$$\begin{array}{r} -3.5 \quad -3.5 \\ \hline 1 = x \end{array}$$

$$5) \quad 1.2x = 6$$

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

$$2) \quad t - 5.6 = 7.1$$

$$6) \quad 14.4 = -2.4b$$

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

$$7) \quad -3.6h = -10.8$$

$$\begin{array}{r} -3.6 \quad -3.6 \\ \hline h = 3 \end{array}$$

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

$$\begin{array}{r} m = \frac{33}{14} \end{array}$$

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

$$\begin{array}{r} +\frac{1}{8} \quad +\frac{1}{8} \\ \hline m = 4\frac{1}{8} \end{array}$$

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

$$11) \quad 5x = -24.5$$



12)  $22.8 = 6n$

16)  $-4\frac{7}{8} + k = 5\frac{1}{8}$   
 $+4\frac{7}{8} \quad +4\frac{7}{8}$   
 $k = 10$

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

13)  $\frac{7}{8}k = \frac{5}{6} \cdot \frac{8}{7}$   
 $k = \frac{20}{21}$

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

21)  $2.5v = 5$   
 $v = 2$

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

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

22)  $2.6 + b = 4$

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

19)  $\frac{2}{3} + c = \frac{1}{2} - \frac{2}{3}$   
 $c = -\frac{1}{6}$

23)  $4.5t = 9$

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

$m = \frac{17}{9}$