

Solving Two-Step Equations w/ rational numbers

$$\textcircled{1} \quad \frac{n}{5} + 2.4 = 10$$

$$\frac{\cancel{n} + \cancel{2.4}}{\cancel{5}} = 10$$

$$\textcircled{5} \quad \frac{n}{5} = 7.6 \textcircled{5}$$

$$\textcircled{n = 38}$$

$$\textcircled{2} \quad 0.8m + 4.3 = -8$$

$$\frac{-4.3 \quad -4.3}{-4.3 \quad -4.3}$$

$$\frac{0.8m}{0.8} = \frac{-12.3}{0.8}$$

$$\frac{0.8m}{0.8} = -15.375$$

$$\textcircled{m = -15.375}$$

$$\textcircled{3} \quad \frac{h}{7} - 8 = 4.6$$

$$\frac{\cancel{h} - \cancel{8}}{\cancel{7}} = 4.6$$

$$\textcircled{7} \quad \frac{h}{7} = 3.4 \textcircled{7}$$

$$\textcircled{h = 23.8}$$

$$\textcircled{4} \quad \frac{m}{-5} - 4.7 = 3.6$$

$$\frac{\cancel{m} - \cancel{4.7}}{\cancel{-5}} = 3.6$$

$$\textcircled{-5} \quad \frac{m}{-5} = 8.3 \textcircled{-5}$$

$$\textcircled{m = -41.5}$$

$$\textcircled{5} \quad \frac{k}{1.6} - 9 = -17.3$$

$$\frac{\cancel{k} - \cancel{9}}{\cancel{1.6}} = -17.3$$

$$\textcircled{1.6} \quad \frac{k}{1.6} = -8.3 \textcircled{1.6}$$

$$\textcircled{k = -13.28}$$

$$\textcircled{6} \quad 4.2x - 7 = 5.1$$

$$\frac{\cancel{4.2x} - \cancel{7}}{\cancel{4.2}} = 5.1$$

$$\frac{4.2x}{4.2} = 12.1$$

$$x = 2.88$$