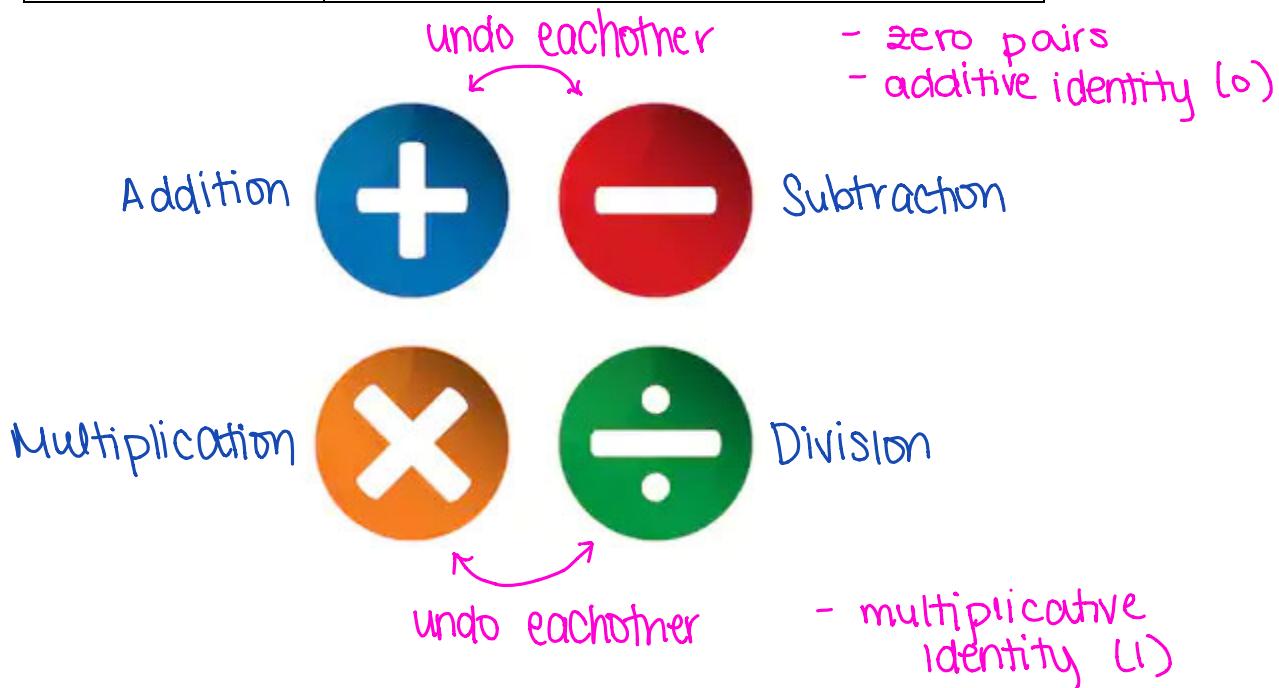


Name: _____

Date: _____

Learning Goal 6.1	I can solve equations.
-------------------	------------------------



P E M D A S

B E D M A S

Example Solve the following equations.

$$\begin{array}{l} a + 5 = 9 \\ \cancel{a} + 5 = 9 \\ \quad \quad \quad 4 \end{array} \quad \left. \begin{array}{l} b - 8 = 10 \\ \square - 8 = 10 \\ \quad \quad \quad 18 \end{array} \right\} \text{Grade 2 answer}$$

$$\begin{array}{r} 12 = \cancel{2} + c \\ -2 \quad -2 \end{array}$$

$$10 = \cancel{0} + c$$

$$10 = c$$

$$\boxed{c = 10}$$

$$\begin{array}{r} 15 = 8 - d \\ +d \quad +d \\ d + 15 = 8 + \cancel{d} \\ -15 \quad -15 \\ \boxed{d = -7} \end{array}$$

B
E
D
N
A
S

$$\begin{array}{l} a + 5 = 9 \\ \cancel{a} + 5 = 9 \\ \quad \quad \quad 4 \\ (a + 0 = 4) \\ a = 4 \end{array}$$

$$\begin{array}{l} b - 8 = 10 \\ \cancel{b} - 8 = 10 \\ \quad \quad \quad 18 \\ (b + 0 = 18) \\ b = 18 \end{array}$$

Example Solve the following equations.

$$\begin{array}{l} 5 \times f = 20 \\ \cancel{5} \quad \cancel{5} \\ 1f = 4 \\ f = 4 \end{array}$$

$$\begin{array}{r} -2g = 14 \\ -2 \quad -2 \\ g = -7 \end{array}$$

$$\begin{array}{l} 4 \times \frac{h}{4} = 2 \times 4 \\ \cancel{4} \times \cancel{\frac{h}{4}} = 8 \\ h = 8 \end{array}$$

$$\begin{array}{l} -\frac{j}{5} = 1 \\ -5 \times \cancel{-\frac{j}{5}} = 1 \times -5 \\ j = -5 \end{array}$$

Example Solve the following equations.

B
E
D
M
A
S

$$\begin{array}{l} 5k + 6 = 21 \\ \cancel{5}k + \cancel{6} = 15 \\ 5k = 15 \\ \frac{5k}{5} = \frac{15}{5} \\ k = 3 \end{array}$$

$$\begin{array}{r} +8 - 2m = 14 \\ -8 \quad -8 \\ \cancel{-2}m = \cancel{6} \\ -2 \quad -2 \\ m = -3 \end{array}$$

$$\begin{array}{l} 4 \times \frac{(h+1)}{4} = 2 \times 4 \\ \cancel{4} \times \cancel{\frac{(h+1)}{4}} = 8 \\ (h+1) = 8 \\ \quad \quad \quad -1 \quad -1 \\ h = 7 \end{array}$$

$$\begin{array}{l} \frac{h}{4} + 1 = 2 \\ \cancel{\frac{h}{4}} + \cancel{1} = 1 \quad -1 \quad -1 \\ 4 \times \frac{h}{4} = 1 \times 4 \\ h = 4 \end{array}$$

