

**Math Writing Journal entry #1**

**Name:** \_\_\_\_\_

The equation below was solved in 2 methods. Compare each method and explain with specific detail the method that you would choose. **NOTE: Both methods are CORRECT.**

**Method #1:**

$$2f + -5(f - 2) = 2(f - 7) + 4$$

$$2f + -5f - -10 = 2f - 14 + 4$$

$$-3f + 10 = 2f - 10$$

$$\begin{array}{r} -3f \\ -3f \end{array} \quad \begin{array}{r} -3f \\ -3f \end{array}$$

$$-6f + 10 = -f - 10$$

$$\begin{array}{r} +f \\ +f \end{array} \quad \begin{array}{r} +f \\ +f \end{array}$$

$$-5f + 10 = -10$$

$$\begin{array}{r} -10 \\ -10 \end{array} \quad \begin{array}{r} -10 \\ -10 \end{array}$$

$$\frac{-5f}{-5} = \frac{-20}{-5}$$

$$f = 4$$

**Method #2:**

$$2f + -5(f - 2) = 2(f - 7) + 4$$

$$2f + -5f + 10 = 2f + -14 + 4$$

$$-3f + 10 = 2f + -10$$

$$\begin{array}{r} +3f \\ +3f \end{array} \quad \begin{array}{r} +3f \\ +3f \end{array}$$

$$10 = 5f + -10$$

$$\begin{array}{r} +10 \\ +10 \end{array} \quad \begin{array}{r} +10 \\ +10 \end{array}$$

$$\frac{20}{5} = \frac{5f}{5}$$

$$f = 4$$

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