

Single Step Addition/Subtraction Algebra Guided Lesson Explanation

In both problems we are trying to find the value of the variable, in this case the letters within each problem. To do this we will:

Step 1. Identify the location of the variable and determine what operation and value is on that side of the equal symbol.

Step 2. Perform the exact operation and value on both sides of the equation.

Step 3. Calculate the end value.

1. $p + 17 = 51$

Step 1: $p + 17 = 51$

Step 2: $p + 17 = 51$

$$\begin{array}{r} - 17 \quad -17 \\ \hline \end{array}$$

Step 3: $p = 34$

2. $z - 23 = 14$

Step 1: $z - 23 = 14$

Step 2: $z - 23 = 14$

$$\begin{array}{r} + 23 \quad + 23 \\ \hline \end{array}$$

Step 3: $z = 37$

