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| **MODULE:** 11 | **LESSON:** 1 | WRITING EQUATIONS TO REPRESENT SITUATIONS |

**An equation is a mathematical statement that two quantities are equal.**

 ***b* – 447 = 1,203 ;*b* = 1,650**

**Step 1:** Plug the value for ***b*** into the equation.

**1,650 – 447 = 1,203**

**Step 2:** Do the math. If both sides of the equation are equal, then the value for the variable is a solution.

**1,650 – 447 = 1,203**

**1,203 = 1,203**

Therefore, 1,650 is a solution.