One Solution
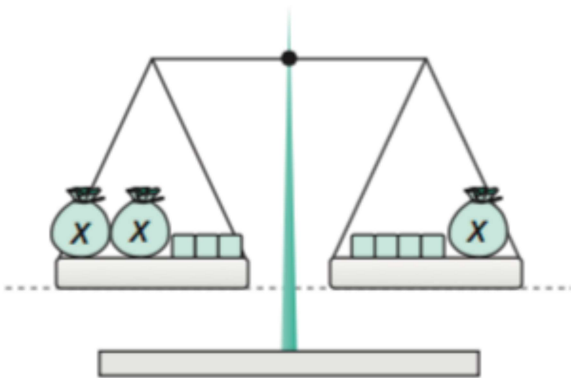
- The final answer will result in the form "x = a" (the variable will equal SOMETHING)
- Only one real number can make the equation true.

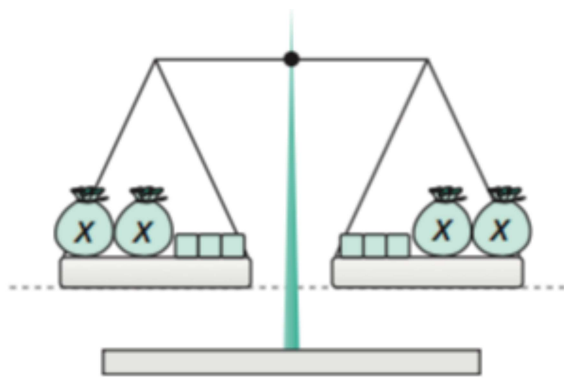$$2(x-3)+9=5+x-1$$

Infinitely Many Solutions

- The final answer will result in the form "a = a" (the same number will be on both sides of the equal sign).
- Any real number can make the equation true.

$$2(x+10)-17=5+2x-2$$

No Solution

- The final answer will result in the form "a = b" (where a is a different number than b).
- There is no possible answer for this equation.

$$5x+3-3x=2(x+3)-5$$