



## Solving Simple Equations Step-by-Step

### Today's Standard

HSA.REI.A1 - Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.

Cues	Notes
What is the first step in solving an equation?	Begin by isolating the variable on one side of the equation.
Why is it important to verify each step?	Verification ensures the solution is correct and logical.
What are common mistakes in solving equations?	Common mistakes include skipping steps and incorrect order of operations.
How can we check our solution?	Substitute the solution back into the original equation to check its accuracy.
What are the properties of equality?	Properties of equality include reflexive, symmetric, and transitive properties.

### Summary

Solving equations step-by-step involves isolating the variable, verifying each step, and understanding the properties of equality. Common mistakes can be avoided by following the correct order of operations and checking solutions.