Solving Equations and Inequalities

Today's Standard

6.EE.B5 - Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.

Real-World Applications for this Standard

Balancing a budget to ensure expenses do not exceed income; Determining the correct dosage of medication based on weight; Figuring out how many items can be bought with a given amount of money; Adjusting a recipe to serve a different number of people; Calculating the distance one can travel with a certain amount of fuel

Today I Learned

Today, we learned how to solve equations and inequalities by finding which values make them true. We use substitution to check if a number works in the equation or inequality.

Common Stumbling Blocks

Sometimes, kids think the same number must go on both sides of an equation, but that's not true. Another mistake is treating inequalities like equations, but they have special rules.

Quiz Me

- What is an equation?

- What is an inequality?

- What does substitution mean?

- What is a variable?

- How do we know if a number makes an equation true?

Help Me

Solving equations and inequalities is like a puzzle. We use numbers to see if they make the statement true. For example, if you have 10 apples and share them equally with friends, you use equations to figure out how many each friend gets.