

## Solving Linear Equations

### Today's Standard

HSA.REI.B.3 - Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

### Real-World Applications for this Standard

Budgeting: Solving for unknown expenses.; Physics: Calculating speed, distance, or time.; Construction: Determining material quantities.; Economics: Predicting profit or loss.; Cooking: Adjusting recipe quantities.

### Today I Learned

Today, we learned how to solve equations and inequalities with one variable. This means finding the value of a letter that makes the math sentence true.

### Common Stumbling Blocks

Sometimes, kids think the answer must be a whole number, but it can be any number. Also, they might forget to change the direction of the inequality sign when multiplying or dividing by a negative number.

### Quiz Me

- What do you do to find the value of a letter?
- Can the answer be a fraction?
- What happens when you multiply by a negative number?
- What is an inequality?
- Why do we change the inequality sign?

### Help Me

Solving equations and inequalities is like solving puzzles. For example, if you know how much money you have and how much you spent, you can figure out how much you need to save. This helps in real life, like when planning a budget.