Solving Linear Equations

Today's Standard

8.EE.C7a - Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form x = a, a = a, or a = b results (where a and b are different numbers).

Real-World Applications for this Standard

Balancing a checkbook; Solving for unknown quantities in recipes; Determining the break-even point in business; Predicting future values in savings accounts

Today I Learned

Today, we learned about solving linear equations in math. These are equations with one variable that can have one answer, no answer, or many answers.

Common Stumbling Blocks

Sometimes, kids think that all equations have just one answer, but that's not true. They might also think that simplifying always gives one answer, which isn't right either.

Quiz Me

- What is a linear equation?

- Can a linear equation have no answer?

- What does it mean if an equation has many answers?

- What is one solution?

- How do you simplify an equation?

Help Me

Linear equations are like math puzzles that help us find missing numbers. We use them in real life, like when we figure out how much money we need to save or how to divide things equally.