



Solving Systems of Linear Equations

Today's Standard

8.EE.C8b - Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6.

Real-World Applications for this Standard

Budgeting and financial planning; Predicting supply and demand in economics; Solving problems related to distances and speeds in travel; Balancing chemical equations in chemistry; Designing computer algorithms

Today I Learned

Today we learned how to solve systems of two linear equations. This means finding where two lines meet on a graph or using math to find the exact point.

Common Stumbling Blocks

Some kids think that if the lines look the same, they always meet, but that's not true if they are parallel. Also, drawing the lines isn't always perfect, so we use math to be sure.

Quiz Me

- What do we call two lines that meet at one point?
- Can two lines that never meet have a solution?
- How can we find where two lines meet using math?
- What happens if two lines are exactly the same?
- Why might drawing lines not always give a perfect answer?

Help Me

Solving systems of equations helps us with real-world problems like planning budgets, predicting sales, and even traveling. We find where two lines meet to get the answer we need.