



Factoring Quadratic Expressions

Today's Standard

HSA.SSE.B3a - Factor a quadratic expression to reveal the zeros of the function it defines.

Real-World Applications for this Standard

Calculating projectile motion in physics; Optimizing profit in business; Designing parabolic structures in architecture; Analyzing quadratic relationships in economics

Today I Learned

Today, we learned about factoring quadratic expressions. This means breaking down a math problem to find the points where it equals zero.

Common Stumbling Blocks

Sometimes, kids think all math problems like this are easy to solve, but that's not true. They also think the answers are always whole numbers, but they can be different kinds of numbers too.

Quiz Me

- What is factoring?
- What are the zeros of a function?
- How do you factor a quadratic expression?
- Can all quadratic expressions be factored easily?
- Are the zeros always whole numbers?

Help Me

Factoring is like breaking down a big problem into smaller parts. For example, if you want to find out when a ball will hit the ground, you can use factoring to figure it out.