



Inverse Function Analysis

Today's Standard

HSF.BF.B4 - Find inverse functions.

Real-World Applications for this Standard

Cryptography and secure communication; Solving real-world equations; Reversing engineering processes; Data encryption and decryption; Physics: calculating time from velocity

Today I Learned

Today, we learned about inverse functions. An inverse function is like a reverse button for math problems. If you know how to get from A to B, the inverse tells you how to get back from B to A.

Common Stumbling Blocks

Some kids think every function has an inverse, but that's not true. Only special functions do. Another mix-up is thinking an inverse is the same as a reciprocal, but they are different.

Quiz Me

- What is an inverse function?
- How do you check if a function has an inverse?
- What is the horizontal line test?
- Is an inverse the same as a reciprocal?
- Can you name a real-world use for inverse functions?

Help Me

An inverse function helps us go backward in math problems, like figuring out how to get back home if you know the way to school. It's used in many cool things like keeping our online information safe.