Multiplying Multi-Digit Numbers

Today's Standard

5.NBT.B5 - Fluently multiply multi-digit whole numbers using the standard algorithm.

Real-World Applications for this Standard

Calculating the total cost of multiple items in a shopping list; Determining the area of a large rectangular field; Figuring out the total number of pages read over several weeks; Estimating the number of tiles needed to cover a floor; Calculating the total distance traveled over several trips

Today I Learned

Today I learned how to multiply big numbers using a special method called the standard algorithm. It's like a step-by-step way to get the right answer every time!

Common Stumbling Blocks

Sometimes kids think they need to add numbers instead of multiplying them, which is a mistake. Another common problem is not lining up the numbers correctly, which can make the answer wrong.

Quiz Me

- What is the standard algorithm?

- Why do we need to line up the numbers?

- Can you show me how to multiply 23 by 45?

- What happens if we add numbers instead of multiplying them?

- Why is it important to know how to multiply big numbers?

Help Me

Multiplying big numbers is useful in real life. For example, if you want to know how much money you'll need to buy several toys or how many tiles you'll need to cover a floor, you'll use multiplication. It's a handy skill to have!