



## Multiplying Multi-Digit Numbers

### Today's Standard

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

Cues	Notes
What is the standard algorithm?	The standard algorithm is a step-by-step method for multiplying multi-digit numbers.
Why is it important to align digits correctly?	Aligning digits correctly ensures accurate results by keeping place values in order.
What are common mistakes in multi-digit multiplication?	Common mistakes include adding instead of multiplying and misaligning digits.
How can real-world examples help in understanding this standard?	Real-world examples like calculating total costs or areas make the concept more relatable.
What skills are needed before learning this standard?	Students need to know basic multiplication facts and understand place value before learning this standard.

### Summary

Mastering the standard algorithm for multi-digit multiplication is crucial for solving complex problems accurately. Proper alignment of digits and understanding the difference between addition and multiplication are key to success.