

## Lesson 2: More Multiplication

### Standards Alignments

Addressing 5.NBT.B.5

### Teacher-facing Learning Goals

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

### Student-facing Learning Goals

- Let's practice using the multiplication algorithm.

### Lesson Purpose

The purpose of this lesson is for students to practice using the standard algorithm to multiply multi-digit numbers.

In previous units, students learned how to use the standard algorithm to multiply multi-digit whole numbers. In this lesson, they practice using the standard algorithm when one or more of the factors includes several zeros. The zeros are at the end of the number so students may identify each zero as representing a factor of 10 and work with smaller numbers to find the product. For example, they may interpret  $350 \times 74$  as  $10 \times 35 \times 74$ . They may also use the standard algorithm for multiplication and pay close attention to the place value of each digit in the product. If students need additional support with the concepts in this lesson, refer back to Unit 4, Section A in the curriculum materials.

### Access for:



#### Students with Disabilities

- Representation (Activity 2)



#### English Learners

- MLR1 (Activity 1)

### Instructional Routines

Estimation Exploration (Warm-up)

### Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	15 min
Lesson Synthesis	10 min

### Teacher Reflection Question

As students have discussions in their small groups today, take note of whose voices are heard and ideas are valued. How has that changed over the course of the school year? What structures would you attribute to this shift?



Cool-down

5 min

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**Cool-down** (to be completed at the end of the lesson)

🕒 5 min

What is Important?

**Standards Alignments**

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**Student-facing Task Statement**

What is important to remember when using the standard algorithm to multiply large numbers?

**Student Responses**

Sample responses:

- It is important to estimate first so you know your answer is reasonable.
- It is important to keep track of the places as you multiply digits.
- It is important to know your basic math facts because you can use them to solve problems with bigger numbers.