

Lesson 1: Encontramos el producto más grande

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

- Busquemos patrones cuando multiplicamos números de varios dígitos.

Lesson Purpose

The purpose of this lesson is for students to recognize and explain place value patterns as they find products using the standard algorithm they learned in Unit 4.

In previous units, students learned the standard algorithm for multiplying whole numbers. In this lesson, students compare and contrast different products that can be made with the same set of 3 or 4 digits. They look for patterns in the arrangement of the digits and explain those patterns in terms of place value. For example, students might notice that the product of 2 two-digit numbers results in a greater product than that of a three-digit number and 1 one-digit number. 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

- Action and Expression (Activity 1)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Notice and Wonder (Warm-up)

Lesson Timeline

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

Teacher Reflection Question

What did you learn about students' understanding of the standard algorithm for multiplication during the lesson today? How can you use what you learned to support students in tomorrow's lesson?

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

 5 min

Multiplica 2 dígitos por 2 dígitos

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Student-facing Task Statement

Encuentra el valor de cada producto. Explica o muestra cómo razonaste.

- 35×47
- 37×45

Student Responses

Sample responses:

- 1,645

$$\begin{array}{r}
 \\
 \\
 \\
 \\
 \times \\
 \hline
 \\
 + 1, \\
 \hline
 1,
 \end{array}$$

- 1,665

$$\begin{array}{r}
 \\
 \\
 \\
 \\
 \times \\
 \hline
 \\
 + 1, \\
 \hline
 1,
 \end{array}$$