

Lesson 5: Multipliquemos una fracción unitaria por una fracción no unitaria

Standards Alignments

Addressing 5.NF.B.4.b

Teacher-facing Learning Goals

- Find the product of a unit fraction and a non-unit fraction.

Student-facing Learning Goals

- Multipliquemos una fracción unitaria y una fracción no unitaria.

Lesson Purpose

The purpose of this lesson is for students to use diagrams and expressions to calculate the product of a unit fraction and a non-unit fraction.

While the previous lesson used a context to help visualize fractions and their product, in this lesson the fractions are more complex and there is no context so students can focus on how the diagrams and expressions relate to the value of the product. In this lesson students also begin to work with side lengths that are fractions greater than 1. Students also practice estimating areas of rectangles where the side lengths are not shown.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Estimation Exploration (Warm-up)

Lesson Timeline

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

Teacher Reflection Question

How did the work of the previous lessons lay the foundation for students to be successful in Activity 1 of this lesson?

Lesson Synthesis

10 min

Cool-down

5 min

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

 5 min

Escribe una ecuación

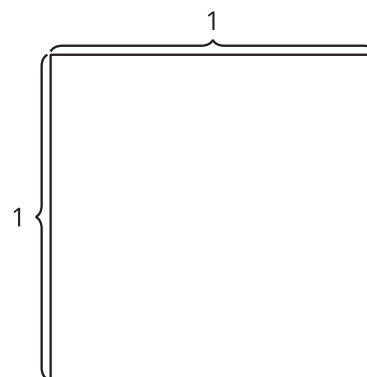
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Student-facing Task Statement

 Encuentra el valor de $\frac{1}{3} \times \frac{4}{5}$. Explica o muestra tu razonamiento.

Si te ayuda, usa el diagrama.



Student Responses

$\frac{1}{3} \times \frac{4}{5} = \frac{4}{15}$. Sample response: There are 4 shaded pieces and each is $\frac{1}{15}$ of the whole.

