

Lesson 10: Multiplicación y división

Standards Alignments

Addressing 3.OA.A.3, 3.OA.B.6

Teacher-facing Learning Goals

- Interpret representations of the relationship between multiplication and division.
- Represent the relationship between multiplication and division.

Student-facing Learning Goals

- Representemos grupos iguales y escribamos situaciones de grupos iguales.

Lesson Purpose

The purpose of this lesson is for students to use a variety of representations to illustrate the relationship between multiplication and division to develop fluency with division within 100.

In previous units, students learned the meaning of multiplication and division and understood division as an unknown-factor problem. They have worked to develop fluency with multiplication within 100. In this lesson, they continue that work by reinforcing their understanding of the relationship between multiplication and division.

In the first activity, students are given a card with an equation or a diagram and asked to find another student whose card represents the same situation or quantities. Then, they create an additional diagram and a situation that matches their division equation. Students then view and compare the diagrams and the situations that their classmates created in a gallery walk.

If students need additional support with the concepts in this lesson, refer back to Unit 4, Section B in the curriculum materials.

Access for:

Students with Disabilities

- Engagement (Activity 1)

English Learners

- MLR7 (Activity 2)

Instructional Routines

Card Sort (Activity 1), Which One Doesn't Belong? (Warm-up)

Materials to Gather

- Glue or tape: Activity 1
- Materials from a previous activity: Activity 2
- Tools for creating a visual display: Activity 1

Lesson Timeline

Warm-up	10 min
Activity 1	25 min
Activity 2	10 min
Lesson Synthesis	10 min
Cool-down	5 min

Materials to Copy

- Find the Match (groups of 24): Activity 1

Teacher Reflection Question

What did you say, do, or ask during the lesson synthesis that helped students be clear on the learning of the day? How did previewing the cool-down of the lesson help you synthesize student learning?

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

 5 min

Relaciona la multiplicación y la división

Standards Alignments

Addressing 3.OA.B.6

Student-facing Task Statement

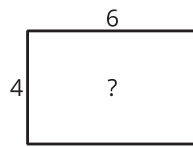
Da un ejemplo de cómo se relacionan la multiplicación y la división. Explica o muestra cómo razonaste.

Student Responses

Sample responses:

- We can think of $24 \div 4 = ?$ as $4 \times ? = 24$.
- If I'm dividing, it's like multiplying, but instead of not knowing the total number of objects, I'm missing the number of equal groups or the number in each group.
- This diagram shows multiplication: the side lengths are known but
 This diagram shows division: the area is known, but a side

the area isn't.



length is missing.

