

Lesson 3: Interpret Equations

Standards Alignments

Addressing 5.NF.B.3

Teacher-facing Learning Goals

- Represent the relationship between division and fractions with equations.

Student-facing Learning Goals

- Let's use equations to show the relationship between division and fractions.

Lesson Purpose

The purpose of this lesson is for students to write equations to represent division situations and relate each part of the equation to the situation.

In previous lessons, students developed the understanding that $1 \div b = \frac{1}{b}$. In this lesson, students deepen their understanding of the relationship between division and fractions. They write equations and explain how each part of the equation corresponds to a situation.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR2 (Activity 2)

Instructional Routines

MLR3 Clarify, Critique, Correct (Activity 1), What Do You Know About ____? (Warm-up)

Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	15 min
Lesson Synthesis	10 min
Cool-down	5 min

Teacher Reflection Question

In tomorrow's lessons, students will be writing situations to match division expressions. In what ways is division used by your students' families and communities? Be prepared to share a few division situations that will be familiar to students during tomorrow's lesson.

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

🕒 5 min

Share Water

Standards Alignments

Addressing 5.NF.B.3

Student-facing Task Statement

3 liters of water are shared equally by 5 people. How much water does each person get? Write a division equation to represent the situation. Draw a diagram if it is helpful.

Student Responses

Each person gets $\frac{3}{5}$ liters of water, $3 \div 5 = \frac{3}{5}$.

