Lesson 13: Números enteros y fracciones

Standards Alignments

Addressing   3.NF.A.3.c

Teacher-facing Learning Goals

- Express whole numbers as fractions.
- Recognize fractions that are equivalent to whole numbers.

Student-facing Learning Goals

- Encontremos fracciones y números enteros que sean equivalentes.

Lesson Purpose

The purpose of this lesson is for students to recognize fractions that are equivalent to whole numbers and write whole numbers as fractions.

In previous lessons, students noticed fractions at the same location as whole numbers on the number line. In this lesson, students develop more fully the idea that whole numbers can be written as fractions and learn to recognize fractions that are equivalent to whole numbers. Students encounter and make sense of fractions with 1 for the denominator.

Students use their knowledge of parts and wholes and the patterns they observed on number lines to express the numbers 1, 2, and 3 as fractions, then extend the patterns they observed to express larger whole numbers as fractions.

This lesson has a Student Section Summary.

Access for:

♿ Students with Disabilities

- Engagement (Activity 1)

🌐 English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Lesson Timeline

Warm-up	10 min

Teacher Reflection Question

What question do you wish you had asked today? When and why should you have asked it?

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

Cool-down (to be completed at the end of the lesson) 🕐 5 min

De fracción a número entero y de número entero a fracción

Standards Alignments

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Student-facing Task Statement

1. ¿$\frac{18}{4}$ es un número entero? Explica o muestra tu razonamiento.

2. Escribe 2 como una fracción. Explica o muestra tu razonamiento.

Student Responses

1. No. The fractions that are whole numbers have numbers in the numerator that count by 4, like $\frac{4}{4}$, $\frac{8}{4}$, $\frac{12}{4}$, and 18 isn't in the count.

2. Sample response: $\frac{6}{3}$. I know 3 thirds make 1, so 6 thirds make 2.