Lesson 3: Are the Expressions Equal?

Standards Alignments

Addressing 1.OA.B.3, 1.OA.C.6, 1.OA.D.7

Teacher-facing Learning Goals

- Interpret equations with expressions on both sides of the equal sign.
- Understand and use the commutative property.

Student-facing Learning Goals

- Let's think about how expressions can be equal.

Lesson Purpose

The purpose of this lesson is for students to identify expressions that are equal.

In previous lessons students identified sums they know and sums they don't yet know. They applied the commutative property to add within 10. The purpose of this lesson is for students to interpret equations with expressions on both sides of the equal sign. In Activity 1, students sort addition expressions within 10 by the value of the sum and discuss how expressions with the same numbers in a different order can be written as an equation. In Activity 2, students determine whether equations with addition expressions on both sides of the equal sign are true or false.

Students complete the cool down before the lesson synthesis.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

How Many Do You See? (Warm-up)

Materials to Gather

- Connecting cubes or two-color counters: Activity 2
- Materials from a previous lesson: Activity 1

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

It is common for students to think that the equal sign means that the answer comes next. What evidence have students given that they have a true understanding of the meaning of the equal sign? How might you adjust instruction to clarify this understanding?

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

5 min

Equal Expressions

Standards Alignments

Addressing 1.OA.C.6, 1.OA.D.7

Student-facing Task Statement

Circle the **2** equations that are true.

$3 + 7 = 7 + 2$

$2 + 8 = 8 + 2$

$6 + 3 = 2 + 7$

Student Responses

$2 + 8 = 8 + 2$

$6 + 3 = 2 + 7$