Lesson 17: Make and Break Apart 10 (Optional)

Standards Alignments

Addressing K.OA.A.3

Teacher-facing Learning Goals

- Relate equations to different compositions and decompositions of 10.

Student-facing Learning Goals

- Let's look for groups that make 10.

Lesson Purpose

The purpose of this lesson is for students to compose and decompose 10 in multiple ways.

In a previous unit, students composed and decomposed 10 in multiple ways using their fingers and 10-frames. This lesson is optional because it is an opportunity for practice that not all students may need. This lesson provides additional practice with compositions and decompositions of 10 before students find the number that makes 10 when added to a given number. Students create a tool with 10 beads, 5 in each color, that can be used in addition to a 10-frame and fingers to show different compositions and decompositions of 10. Students may choose to use this tool throughout the section.

If students need additional support with the concepts in this lesson, refer back to Unit 5, Section C in the curriculum materials.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Estimation Exploration (Warm-up)

Materials to Gather

- Materials from a previous activity: Activity 2
- Materials from previous centers: Activity 3
- Pipe cleaners: Activity 1

Lesson Timeline

Warm-up	10 min
Activity 1	10 min
Activity 2	10 min
Activity 3	25 min
Lesson Synthesis	5 min

Teacher Reflection Question

How is the bead tool that students made in this lesson similar to and different from other tools that they have used? How do you anticipate that students will use the bead tools in future lessons?

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

0 min

Unit 8, Section D Checkpoint

Standards Alignments

Addressing K.OA.A.3

Student-facing Task Statement

Lesson observations

Student Responses

- Use 10 as a benchmark to compose and decompose numbers in different ways.
- Relate equations to compositions and decompositions of numbers.