Lesson 3: Snap the Cubes

Standards Alignments

Addressing K.OA.A.3

Teacher-facing Learning Goals

- Compose and decompose numbers up to 9.

Student-facing Learning Goals

- Let's find different ways to break apart numbers.

Lesson Purpose

The purpose of this lesson is for students to find multiple decompositions of a number and look for patterns in decompositions.

In previous lessons, students have composed and decomposed numbers and noticed that numbers can be composed and decomposed in more than one way. In this lesson, students decompose numbers in more than one way. In the first activity, students do this by snapping a tower of connecting cubes into 2 parts in different ways. In the second activity, students are given a written number rather than objects. Decomposing a number into parts in different ways deepens their understanding of numbers and their relationships (MP7).

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

- Connecting cubes: Activity 1, Activity 2
- Crayons: Activity 1
- Materials from previous centers: Activity 3
- Pattern blocks: Activity 2

Materials to Copy

- What's Behind My Back Stage 1 Recording Sheet (groups of 1): Activity 1

- Two-color counters: Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	10 min
Activity 2	10 min
Activity 3	20 min
Lesson Synthesis	5 min
Cool-down	5 min

Teacher Reflection Question

In a future section, students will find more than one solution to a Put Together/Take Apart, Both Addends Unknown story problems. What do you notice in their work from today's lesson that you might leverage in that future lesson?

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

5 min

Break Apart 6

Standards Alignments

Addressing K.OA.A.3

Student-facing Task Statement

Show 2 ways to break apart 6 into 2 parts.
Show your thinking using objects, drawings, numbers, or words.

Student Responses

Sample responses:
3 and 3, 5 and 1