Lesson 10: Write Number Riddles

Standards Alignments

Addressing 1.NBT.B, 1.NBT.C, 1.NBT.C.4

Teacher-facing Learning Goals

- Apply place value reasoning to write and solve number riddles.

Student-facing Learning Goals

- Let's write and solve number riddles.

Lesson Purpose

The purpose of this lesson is for students to apply place value reasoning to write and solve number riddles.

This lesson continues the work with number riddles from the previous lesson. Students write their own riddles and then try to find each other's secret number.

The cool-down should be completed before the lesson synthesis, as students will share their reflections with the whole class.

If students need additional support with the concepts in this lesson, refer back to Unit 4, Section B in the curriculum materials.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

True or False (Warm-up)

Materials to Gather

- Bags or envelopes: Activity 1
- Connecting cubes in towers of 10 and singles: Activity 1, Activity 2
- Index cards: Activity 1
- Materials from a previous activity: Activity 2

Lesson Timeline

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

Teacher Reflection Question

Reflect on the ways you have seen yourself grow in your teaching of mathematics over the course of the school year. In what area have you made the most significant growth? What led to this growth?

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

5 min

What's the Math?

Standards Alignments

Addressing 1.NBT.B, 1.NBT.C

Student-facing Task Statement

What do you need to know about numbers to write number riddles?

Student Responses

Sample response:

- You have to know the number of tens and ones in a number.
- You have to know how to represent numbers with equations.