Lesson 14: Estimation Exploration

Standards Alignments

Building On   3.MD.B.4
Addressing   3.MD.B.4

Teacher-facing Learning Goals

- Apply understanding of measuring objects to the nearest half and fourth of an inch to create an Estimation Exploration activity.

Student-facing Learning Goals

- Let's create an Estimation Exploration activity.

Lesson Purpose

The purpose of this lesson is for students to apply their understanding of measurement of fractional lengths to create an Estimation Exploration activity.

This lesson provides an opportunity to observe the ways in which students think about fractional measurements. After the warm-up, students create their own Estimation Exploration activity and then facilitate it with other students in the class. Students can find images to use for their Estimation Exploration from books or other provided sources, or use actual objects from around the classroom.

If students need additional support with the concepts in this lesson, refer back to Unit 6, Section A 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

- Chart paper: Activity 2
- Markers: Activity 2
- Picture books: Activity 1
- Rulers: 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

What do you love most about math? How are you sharing that joy with your students and encouraging them to think about what they love about math?

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

Estimation Exploration Reflection

Standards Alignments

Building On   3.MD.B.4

Student-facing Task Statement

Describe a time when you were able to explain your ideas to other people in your class.

Student Responses

Sample response: I explained how I thought about the estimation exploration we wrote to my group so that we could think about how other students might respond.