

Lesson 2: Compare the Length of Objects Indirectly

Standards Alignments

Addressing 1.MD.A.1, 1.NBT.C.4

Teacher-facing Learning Goals

- Compare the length of two objects indirectly by using a third object.

Student-facing Learning Goals

- Let's compare 2 objects using a third object.

Lesson Purpose

The purpose of this lesson is for students to compare the length of two objects indirectly by comparing each with the length of a third object.

In the previous lesson, students ordered three objects by length by lining them up at their endpoints. Students used complete sentences to describe the relative length of objects.

The purpose of this lesson is for students to compare the length of two objects indirectly by comparing them with the length of a third object. Indirect comparison allows students to compare the length of objects that are difficult to compare by lining them up. The ideas in this lesson lead to the understanding that iterated length units can be used to measure and compare the length of objects. Students may intuitively understand the concept of indirect comparison and this lesson provides an opportunity for them to develop language to communicate that understanding (MP6).

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Number Talk (Warm-up)

Materials to Gather

- Materials from a previous lesson: Activity 1
- Pencils: Activity 1
- Scissors: Activity 2
- String: 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

How did students explain how they used a tool (like the pencil or the string) to compare lengths indirectly? What did their explanations show they understand about comparing attributes like length?

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

🕒 5 min

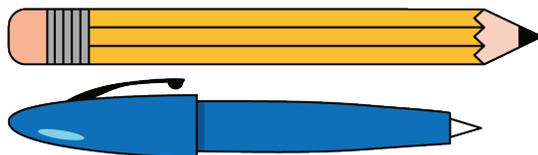
Compare the Pencil and Marker

Standards Alignments

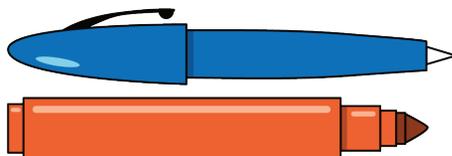
Addressing 1.MD.A.1

Student-facing Task Statement

The pencil is longer than the pen.



The marker is shorter than the pen.



Use the words **pencil** and **marker** to complete this sentence:

The _____ is shorter than the _____.

Student Responses

The marker is shorter than the pencil.