

Lesson 12: Compare Measurements

Standards Alignments

Addressing 1.NBT.A.1, 1.OA.A.1, 1.OA.C.6

Teacher-facing Learning Goals

- Solve Compare story problems with unknowns in all positions.

Student-facing Learning Goals

- Let's solve story problems in which we compare lengths.

Lesson Purpose

The purpose of this lesson is for students to solve Compare story problems about measurement.

In the previous lesson, students solved Compare, Difference Unknown story problems about length measurements. Students used connecting cubes, drawings, numbers, words, or equations to solve and represent these problems. They discussed how some problems can be solved using either addition or subtraction.

In this lesson, students solve two new problem types, Compare, Bigger Unknown and Compare, Smaller Unknown, through the context of measurement and consider how a representation can be used to solve different story problems. Due to language demands of these types of problems, students will focus on Bigger Unknown versions with “more” and Smaller Unknown versions with “fewer.” Students are reintroduced to a diagram that may be helpful for Compare problems and prepares them for working with tape diagrams in grade 2.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

MLR6 Three Reads (Activity 1), Notice and Wonder (Warm-up)

Materials to Gather

- Connecting cubes in towers of 10 and singles: Activity 1, Activity 2
- Dry erase markers: Activity 3

Materials to Copy

- Write the Number Stage 3 Gameboard (groups of 2): Activity 3

- Sheet protectors: Activity 3

Required Preparation

- Create a poster for the Lesson Synthesis with the problems from Activity 1 and Activity 2 and this unlabeled diagram shown two times:



Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	10 min
Activity 3	15 min
Lesson Synthesis	10 min

Teacher Reflection Question

How did the Three Reads routine support your students in making sense of a story problem? What can you do to encourage students to use this method for themselves to make sense of a problem?

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

 0 min

Unit 6, Section C Checkpoint

Standards Alignments

Addressing 1.OA.A.1

Student-facing Task Statement

Lesson observations

Student Responses

- Retell the story.
- Represent the story with objects or drawings.
- Explain how their representation matches the story.