

Lesson 5: Represent Measurement Data on Line Plots

Standards Alignments

Addressing 3.MD.B.4, 3.OA.C.7

Teacher-facing Learning Goals

- Create a line plot where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters—to represent measurement data.
- Generate measurement data by measuring lengths using a ruler marked with halves and fourths of an inch.

Student-facing Learning Goals

- Let's collect measurement data and show them on a line plot.

Lesson Purpose

The purpose of this lesson is for students to generate measurement data and represent them on a line plot.

In a previous lesson, students analyzed line plots that included measurements in halves and fourths of an inch. In this lesson, students collect measurement data, represent them on a line plot, and analyze line plots that represent different data sets (MP2).

This lesson may take more than one day if students need more time to collect data around the school and to create their line plots. If time permits and preferable, consider carrying out the activities across two days.

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

MLR7 Compare and Connect (Activity 2), Number Talk (Warm-up)

Materials to Gather

- Glue or tape: Activity 2
- Materials from a previous lesson: Activity 1
- Scissors: Activity 2
- Tools for creating a visual display: Activity 2

Lesson Timeline

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

Materials to Copy

- Let's Make a Line Plot (groups of 2): Activity 2

Teacher Reflection Question

If you were to teach this lesson over again, what activity would you redo? How would your proposed changes support student learning?

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

 5 min

Complete the Line Plot

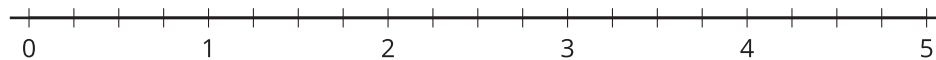
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Student-facing Task Statement

The list shows lengths of leaves in inches. Use the measurements to complete the line plot.

$2\frac{3}{4}$ 3 2 $3\frac{1}{4}$ $4\frac{1}{2}$ $3\frac{1}{4}$ $2\frac{3}{4}$ $2\frac{1}{2}$



length of leaves (inches)

Student Responses

