

## Lesson 4: Measure and Plot

### Standards Alignments

Addressing 2.MD.A.1, 2.MD.D, 2.MD.D.9, 2.NBT.B.5, 2.OA.B.2

### Teacher-facing Learning Goals

- Fluently add and subtract within 20.
- Measure lengths in centimeters.
- Represent measurement data in a line plot.

### Student-facing Learning Goals

- Let's create line plots and add and subtract measurements of length.

### Lesson Purpose

The purpose of this lesson is for students to add and subtract within 20. Students measure lengths of objects and represent measurement data in line plots and answer questions about the data.

In this lesson, students continue to practice fluency with addition and subtraction within 20 with an emphasis on knowing from memory single-digit addition facts. Students revisit line plots, which they worked with in a previous unit. They measure the length of objects and use measurement data to create line plots.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 1)

#### English Learners

- MLR2 (Activity 2)

### Instructional Routines

Notice and Wonder (Warm-up)

### Materials to Gather

- Pencils: Activity 1
- Rulers (centimeters): Activity 1

### Lesson Timeline

Warm-up

10 min

### Teacher Reflection Question

Reflect on the development of students' fluency with addition and subtraction within 20. What

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

activities or discussions particularly helped students during the year? What will you do differently next year to foster your students' fluency with addition and subtraction?

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

 5 min

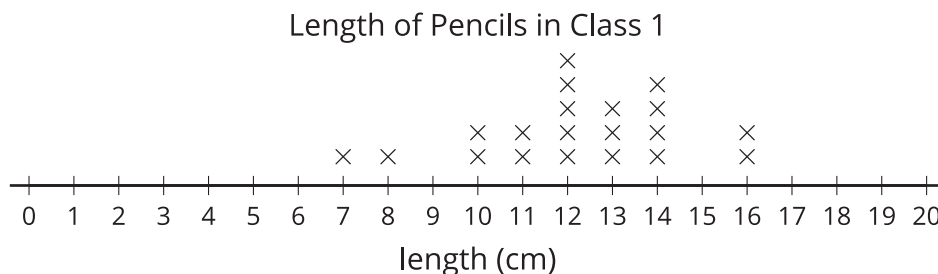
### Supply Request

#### Standards Alignments

Addressing 2.MD.D, 2.OA.B.2

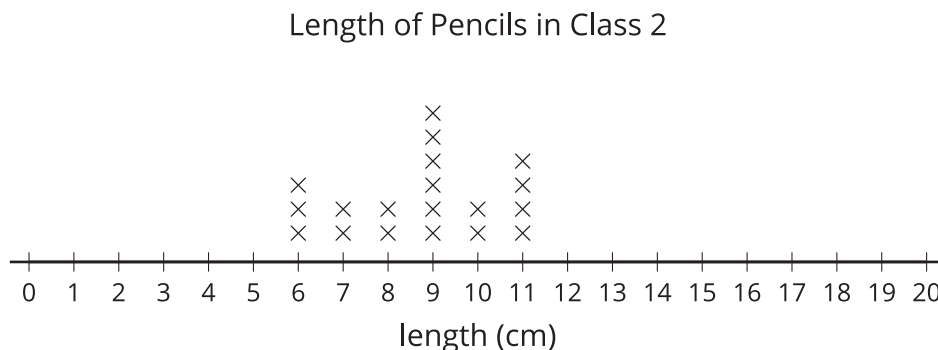
#### Student-facing Task Statement

1. What is the difference between the shortest and longest pencil in Class 1?



Write an equation to represent the difference.

2. What is the difference between the shortest and longest pencil in Class 2?



Write an equation to represent the difference.

## Student Responses

1. 9 cm ( $16 - 7 = 9$ )
2. 5 cm ( $11 - 6 = 5$ )