

# Lesson 4: Add and Subtract Your Way

## Standards Alignments

Addressing 2.OA.B.2

### Teacher-facing Learning Goals

- Add and subtract within 20 in a way that makes sense to them.

### Student-facing Learning Goals

- Let's add and subtract within 20.

## Lesson Purpose

The purpose of this lesson is for students to add and subtract within 20 in a way that makes sense to them.

The work in this lesson builds from grade 1, where students add and subtract within 20 with different strategies. This is a chance to formatively assess how students find sums and differences in this range. Connecting cubes organized in towers of 10 and singles should be made available for students to use, however encourage students not to use them if they don't need them. By the end of grade 2, students must fluently add and subtract within 20.

### Math Community

Tell students that, at the end of the lesson, they will be asked to identify specific examples of norms they experienced as they did math.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 1)

#### English Learners

- MLR2 (Activity 1)

## Instructional Routines

Number Talk (Warm-up)

### Materials to Gather

- Connecting cubes: Activity 2
- Number cards 0–10: Activity 1

### Materials to Copy

- How Close? Stage 1 Recording Sheet (groups of 1): 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

By the end of grade 2, students must be fluent with addition and subtraction within 20, including knowing all sums of 2 one-digit numbers by memory. What did you learn about your students during today's activities that will help you prepare all students to meet this standard?

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

 5 min

Sums and Differences

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### Student-facing Task Statement

Find the value of each expression. Show your thinking using drawings, numbers, or words.

1.  $8 + 6$
2.  $13 - 5$
3.  $16 - 4$

### Student Responses

1. 14. Sample response:  $8 + 2 = 10$ ,  $10 + 4 = 14$
2. 8. Sample response:  $13 - 3 = 10$ ,  $10 - 2 = 8$
3. 12. Sample response: I just subtracted the ones  $6 - 4 = 2$