

# Lesson 19: Methods for Addition Within 20

## Standards Alignments

Addressing 1.OA.B.3, 1.OA.C.6

### Teacher-facing Learning Goals

- Analyze methods for adding within 20.
- Use addition methods flexibly to find sums based on the numbers in a given problem.

### Student-facing Learning Goals

- Let's add within 20.

## Lesson Purpose

The purpose of this lesson is for students to analyze addition methods for adding within 20, then use those methods flexibly to find sums based on the numbers in a given expression.

In previous lessons, students decomposed an addend in order to make a ten and thought about sums as equivalent  $10 + n$  expressions. They applied the commutative and associative properties to find the sum more easily. Students looked for and used patterns in addition expressions (such as  $4 + 8 = 5 + 7$ ). In this lesson, students continue adding within 20.

Students may use any method they choose, but are encouraged to think about methods which may work better for certain sums. In the first activity, students analyze three different methods for finding a sum, all of which include decomposing an addend to make a known sum. In the second activity, students find sums within 20 and share their thinking with a partner.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 2)

#### English Learners

- MLR8 (Activity 2)

## Instructional Routines

MLR8 Discussion Supports (Activity 1), Number Talk (Warm-up)

## Materials to Gather

- Connecting cubes or two-color counters: Activity 1, Activity 2
- Double 10-frames: Activity 1, Activity 2

- Materials from a previous lesson: Activity 2

### Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	20 min
Lesson Synthesis	10 min

### Teacher Reflection Question

What methods are students using to find sums? Which methods were you expecting and which surprised you?

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

 0 min

Unit 3, Section C Checkpoint

### Standards Alignments

Addressing 1.OA.C.6

### Student-facing Task Statement

Lesson observations

### Student Responses

- Count on to find the sum.
- Make 10 to find the sum.
- Use known sums to adjust addends to find the sum.
- Apply the “add in any order property” to find the sum.
- Know certain sums.