

# Lesson 5: Compose and Decompose Numbers Within 1,000

## Standards Alignments

Addressing 2.NBT.A, 2.NBT.A.1

### Teacher-facing Learning Goals

- Compose and decompose numbers within 1,000.
- Represent numbers within 1,000 in different ways.

### Student-facing Learning Goals

- Let's represent numbers in many different ways.

## Lesson Purpose

The purpose of this lesson is for students to compose and decompose three-digit numbers in different ways.

In previous units, students represented three-digit numbers by composing and decomposing units using base-ten blocks, base-ten diagrams, and equations.

In this lesson, students compose and decompose three-digit numbers using base-ten blocks and other representations that make sense to them. Throughout the lesson, students are encouraged to show and deepen their understanding of place value by composing and decomposing units.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 1)

## Instructional Routines

MLR7 Compare and Connect (Activity 2), What Do You Know About \_\_\_\_? (Warm-up)

## Materials to Gather

- Base-ten blocks: Activity 1
- Tools for creating a visual display: Activity 2

## Lesson Timeline

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

## Teacher Reflection Question

In this section, students are working to develop fluency when adding and subtracting within 100. How does the work of the lesson help deepen students understanding of place value? How will the work of this lesson help students become more fluent when adding and subtracting within 100?

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

🕒 5 min

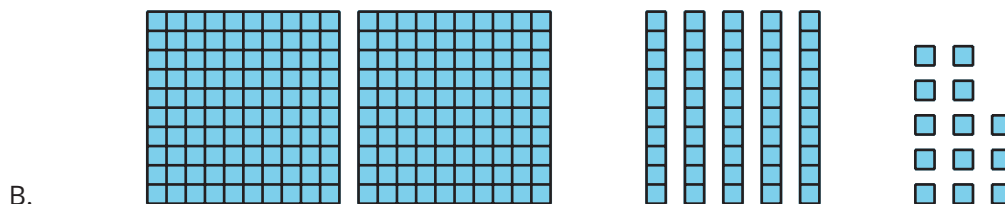
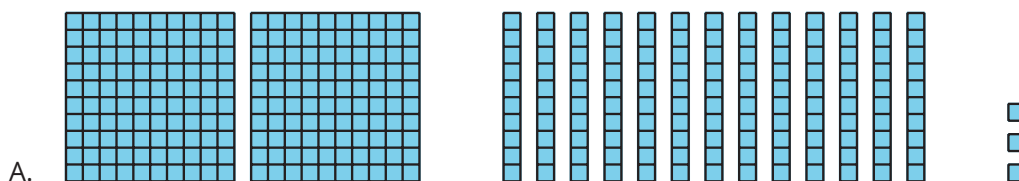
### Two Hundred Sixty-Three

#### Standards Alignments

Addressing 2.NBT.A

#### Student-facing Task Statement

- Circle the representations that show 263.



- C. 2 hundreds + 4 tens + 23 ones

- Represent 263 in a different way.

#### Student Responses

- B, C
- Sample responses:

- 1 hundred + 16 tens + 3 ones
- $200 + 60 + 3$
- Students draw a base-ten diagram that shows 2 hundreds, 6 tens and 3 ones.