

Lesson 17: Compare and Order Numbers

Standards Alignments

Addressing 1.NBT.B.2, 1.NBT.B.3

Teacher-facing Learning Goals

- Compare and order numbers based on the value of the tens and ones digits.

Student-facing Learning Goals

- Let's compare and order numbers.

Lesson Purpose

The purpose of this lesson is for students to compare and order numbers based on the value of the tens and ones digits.

In this lesson, students compare and order numbers up to 99. Ordering numbers requires students to apply what they have learned about comparing two numbers, and allows them to see that a number can be greater than one number, while less than another. As students reason about how to place numbers and explain how they order numbers, they deepen their understanding of the structure of whole numbers and the base-ten system (MP7). In the first activity, students begin comparing and ordering familiar representations such as base-ten diagrams, words (___ tens and ___ ones), and expressions that show the value of tens and ones. These representations allow students to use the value of the digit in the tens and ones places to help them put the quantities in order. In the second activity, students compare numbers less than 99 to the benchmark numbers 5, 10, 50, and 99.

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Action and Expression (Activity 1)

English Learners

- MLR2 (Activity 1)

Instructional Routines

Which One Doesn't Belong? (Warm-up)

Materials to Gather

- Connecting cubes in towers of 10 and singles: Activity 1

Materials to Copy

- Ordering Cards: Tens and Ones (groups of 2): 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

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

Which Numbers Belong

Standards Alignments

Addressing 1.NBT.B.3

Student-facing Task Statement

- Circle **3** numbers that are greater than 75 and less than 95.

8 92 74 99 81 78

- Write a number that makes each comparison statement true.

a. > 75

b. < 95

c. $75 <$

Student Responses

- 92, 81, 78
- Sample response: $78 > 75$
 - Sample response: $81 < 95$
 - Sample response: $75 < 78$