

Lesson 14: Hundreds of Objects (Optional)

Standards Alignments

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

Building Towards 2.NBT.A.2

Teacher-facing Learning Goals

- Count and represent three-digit numbers using place value understanding.

Student-facing Learning Goals

- Let's use place value to count real-world objects.

Lesson Purpose

The purpose of this lesson is for students to apply their understanding of place value to count real-world objects.

This lesson is optional because it does not address any new mathematical content standards. This lesson does provide students with an opportunity to apply precursor skills of mathematical modeling.

In this lesson, students build on their previous understandings and experiences with representations of numbers between 100 and 999. Students use their understanding of the base-ten structure of numbers to count and represent quantities of real-world objects (MP7). When students investigate the advantages and disadvantages of different methods of counting a large number of objects and then choose a method to use they critique the reasoning of others and model with mathematics (MP3, MP4).

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR7 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

- Collections of objects: Activity 2
- Sticky notes: Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	10 min
Activity 2	25 min
Lesson Synthesis	10 min

Teacher Reflection Question

How do students transfer their understanding of base-ten representations to real-world situations? How can you support students with making these connections outside of math class?