

# Lesson 14: Multiples of 10,000 and 100,000

## Standards Alignments

Addressing 4.NBT.A.2, 4.NBT.A.3  
Building Towards 4.NBT.A.3

## Teacher-facing Learning Goals

- Identify the closest multiples of 1,000, 10,000, and 100,000 to a given whole number.

## Student-facing Learning Goals

- Let's explore multiples of 1,000, 10,000, and 100,000 and how other numbers relate to them.

## Lesson Purpose

The purpose of this lesson is for students to reason about the position of numbers relative to their multiples of 1,000, 10,000, and 100,000.

Prior to this point, students have learned to compare and order large numbers. They have also read, written, and decomposed numbers in terms of place value. In this lesson, students look at the relationship between multi-digit numbers and multiples of 1,000, 10,000, and 100,000. Number lines are the central representation of this lesson. They allow students to reason visually before they transition to reasoning numerically when they round numbers in future lessons.

## Access for:

### Students with Disabilities

- Engagement (Activity 1)

### English Learners

- MLR8 (Activity 2)

## Instructional Routines

Choral Count (Warm-up)

## Materials to Gather

- Stickers: Activity 1
- Sticky notes: Activity 1

## Materials to Copy

- On Which Line Do They Belong? (0-700,000 number line) (groups of 30): Activity 1

## Lesson Timeline

Warm-up 10 min

## Teacher Reflection Question

Who participated in math class today? What

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

assumptions are you making about those who did not participate? How can you leverage each of your student's ideas to support them in being seen and heard in tomorrow's math class?

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

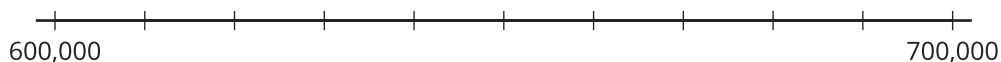
 5 min

Near 627,800

### Standards Alignments

Addressing 4.NBT.A.3

### Student-facing Task Statement



1.
  - a. Which two multiples of 10,000 are closest to 627,800?
  - b. Of the two multiples of 10,000, which one is closer to 627,800?
2.
  - a. Which two multiples of 100,000 are closest to 627,800?
  - b. Of the two multiples of 100,000 which one is closer to 627,800?

### Student Responses

1.
  - a. 620,000 and 630,000.
  - b. 630,000 is the nearest to 627,800.
2.
  - a. 600,000 and 700,000.
  - b. 600,000 is the nearest to 627,800.