

Lesson 8: Round Decimals

Standards Alignments

Building On 5.NBT.A.4
Addressing 5.NBT.A.3.b, 5.NBT.A.4

Teacher-facing Learning Goals

- Round decimals to the nearest whole, tenth, and hundredth.

Student-facing Learning Goals

- Let's round decimals to the nearest whole, tenth, and hundredth.

Lesson Purpose

The purpose of this lesson is for students to round to the nearest whole, tenth, and hundredth.

In this lesson students build on prior understandings of rounding whole numbers to round decimals to different place values. In the first activity students label tick marks on number lines and reason about the possible value of a point on the number line. They consider which two decimals the point lies between, which of those decimals is closer, and how much closer. In the second activity, students round numbers to different places, first using the number lines provided and then using place value reasoning, supported by number lines if students choose to use them. A third activity provides extra rounding practice.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Estimation Exploration (Warm-up)

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	15 min
Activity 3	15 min

Teacher Reflection Question

What did you see or hear in your students' responses today that showed evidence of their understandings of place value?

Lesson Synthesis

10 min

Cool-down

5 min

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

🕒 5 min

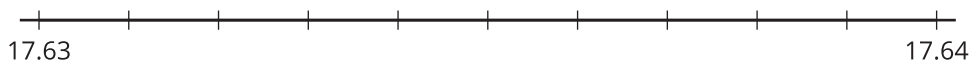
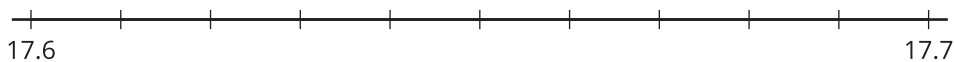
Round to the Nearest Tenth and Thousandth

Standards Alignments

Addressing 5.NBT.A.3.b

Student-facing Task Statement

1. Round 17.637 to the nearest tenth. Use the number lines if they are helpful.
2. Round 17.637 to the nearest hundredth. Use the number lines if they are helpful.

**Student Responses**

1. 17.6
2. 17.64