

Lesson 8: Estimate and Measure Liquid Volume

Standards Alignments

Addressing 3.MD.A.2, 3.NF.A, 3.OA.C.7

Teacher-facing Learning Goals

- Measure and estimate liquid volumes of objects using standard units of liters (L).

Student-facing Learning Goals

- Let's measure and estimate liquid volume.

Lesson Purpose

The purpose of this lesson is for students to use liters to measure and estimate liquid volumes.

In previous lessons, students learned that liquid volume is a measurable attribute and that liters can be used to measure liquid volume. Students use this experience to match containers with estimated liquid volumes they can hold. They compare the marks on a ruler to the marks on a container and learn to use a container with liter marks to measure liquid volume.

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Engagement (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Number Talk (Warm-up)

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

What ideas do students have about liquid volume from their everyday lives? How did it influence their ideas in this lesson?

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

🕒 5 min

Measure in Liters

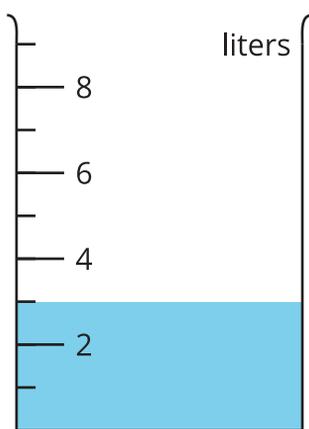
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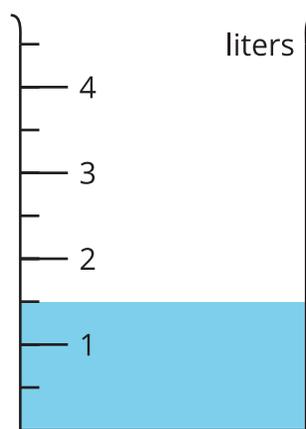
Student-facing Task Statement

What is the volume of the liquid shown in each image?

1



2



Student Responses

1. 3 liters
2. $1\frac{1}{2}$ liters