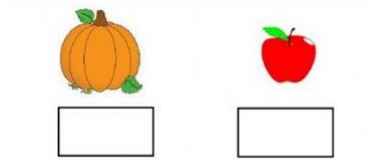


Measuring Liquid Volume & Mass Learning Progression

Start

Determine whether an object is heavy or light (using visuals or manipulatives).
"Which item would be heavy?"



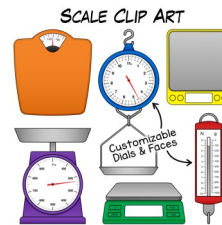
Compare two measuring cups to see which one holds more or less.



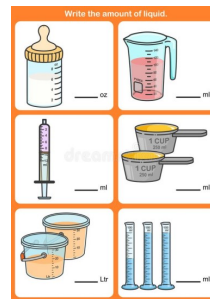
Compare two beakers to see which one holds more or less.



Use different scales to measure the mass of objects.
Ex: Measure in grams and ounces.



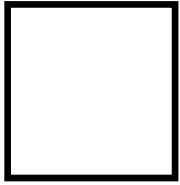
Use different scales to measure the volume of liquids.
Ex: Measure in liters and milliliters.



*Key skill: Interact with measurement tools.

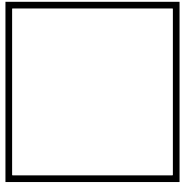
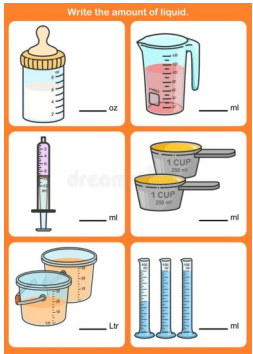
Select the appropriate tool to measure volume or mass.

“To measure water would you use a scale or a measuring cup?”



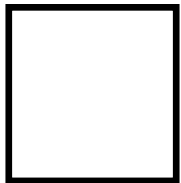
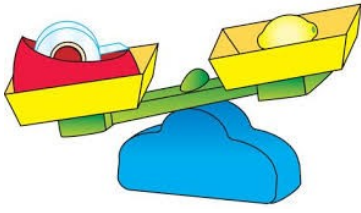
Use models and drawings to **measure** and **estimate** liquid volumes and masses of objects in standard units*.

“How many cups of water are in the glass?”



Solve one-step word problems involving measures of liquid volume and masses of objects using standard units*.

“How much heavier is the book than the pencil?”



3.MD.2: Measure and estimate liquid volumes and masses of objects using standard units of grams, kilograms, and liters. Add, subtract, multiply, or divide whole numbers to solve one-step word problems involving masses or volumes that are given in the same units.

*Standard units are common units of measurement (inches, pounds, grams, etc.). Non-standard units are counters, blocks, hands, etc.