



Topic D

Comparison of Volume

K.MD.1, K.MD.2

Focus Standard:	K.MD.1	Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.
	K.MD.2	Directly compare two objects with a measurable attribute in common, to see which object has “more of”/“less of” the attribute, and describe the difference. <i>For example, directly compare the heights of two children and describe one child as taller/shorter.</i>
Instructional Days:	3	
Coherence	-Links from:	GPK–M4 Comparison of Length, Weight, Capacity, and Numbers to 5
	-Links to:	G1–M3 Ordering and Comparing Length Measurements as Numbers

In Topic D, students compare volume in the same progression as that of weight in Topic C. In Lesson 13, they see that one container holds more rice than another by pouring the rice from the first container into a smaller empty one. “It is overflowing! The bowl holds more rice than the cup.”

In Lesson 14, students explore how volume is conserved by pouring rice from a bowl to a bottle, and then back into the original bowl. They discover that while the quantity of rice may look very different when poured into containers of different sizes and shapes, the amount remains the same.

In Lesson 15, students count the number of small scoops of rice within a larger amount. “The bowl holds 10 little scoops of rice. I wonder how many little scoops of rice this mug holds?” Before the Mid-Module Assessment, students consider the different measurable attributes of single items such as a water bottle, dropper, and juice box. They consider what tools they might use to compare these attributes.

A Teaching Sequence Toward Mastery of Comparison of Volume

Objective 1: Compare volume using *more than*, *less than*, and *the same as* by pouring.
(Lesson 13)

Objective 2: Explore conservation of volume by pouring.
(Lesson 14)

Objective 3: Compare using *the same as* with units.
(Lesson 15)