SESSION 1
EXPLORE

SESSION 2
DEVELOP

SESSION 3
DEVELOP

SESSION 4
REFINE

SESSION 5
REFINE

LESSON 3 ♥

MATERIALS

Math Toolkit 🧰
• Attribute buttons

Mixed classroom objects
(about 100 per child/group)

Preparation: Place about 100 classroom objects in a container, such as buttons, counters, and connecting cubes. Give each child a handful of objects from the container.
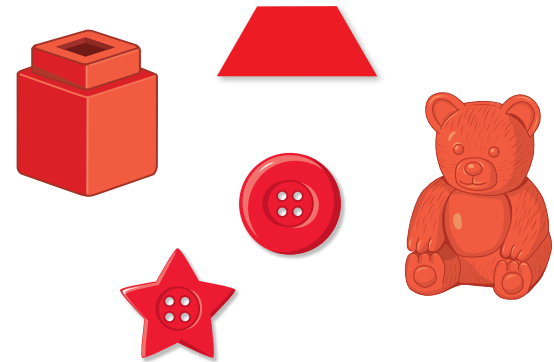
Activity-Based Assessment

For an observational, hands-on option, use the **Activity-Based Assessment.** Work with an individual child or small groups of 3 to 5 children. During the activity, children will sort objects, identify sorting rules, and count sorted objects.

Tested Skills Sort objects into categories. Count the number of objects in a category.

• Give each child a handful of objects and ask them to sort their objects into at least two groups. Make sure all children have room to make as many groups as they want.

• After all children have finished, point to one child's group and ask them to explain their sorting rule. Have them count the objects in the group. Repeat with all children. Have each child describe and count at least two of their groups to give all children a variety of opportunities to show proficiency. **DOK 2 | SMP 6, 7**

All the objects are red. There are 5 red objects."

• Have children sort their objects in a new way. After children have finished, point to one child's group. Ask a different child to describe what all the objects in the group have in common. Ask how many objects are in the group. Have children compare two groups and determine which one has more or less. Repeat at least two more times with each child, asking each child about another child's group, to give all children a variety of opportunities to show proficiency.
DOK 2 | SMP 6, 7

Record student performance on the Assessment Recording Sheet.

LESSON 3
Assessment Recording Sheet

Student	OUTCOMES			STRATEGIES	
	Correctly identifies common attributes	Sorts based on a common attribute	Can correctly count groups of objects (up to ____)	Sorts by color, size, shape, function, or any other attribute	Moves objects to keep track of their count

Assessment Recording Sheet

Student	OUTCOMES			STRATEGIES	
	Correctly identifies common attributes	Sorts based on a common attribute	Can correctly count groups of objects (up to _____)	Sorts by color, size, shape, function, or any other attribute	Moves objects to keep track of their count