

# NWEA Assessment Item Illustrating K.G.A.2

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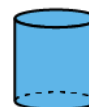
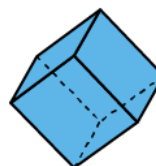
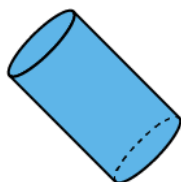
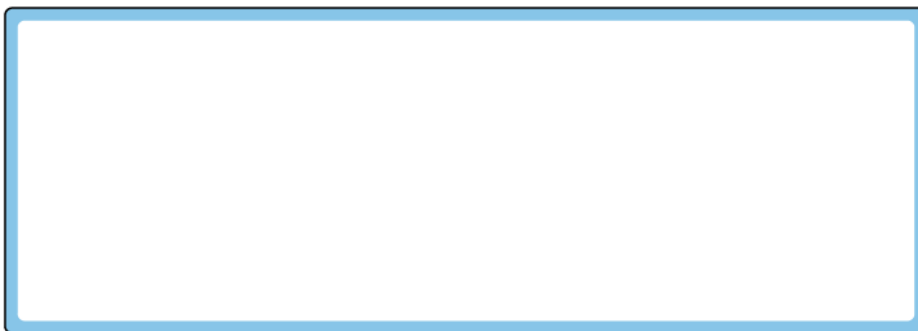
**Domain:** Geometry

**K.G.A:** Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

**Calculator Availability:** No



Move the cubes to the mat.



**Alignment: K.G.A.2:** Correctly name shapes regardless of their orientations or overall size.

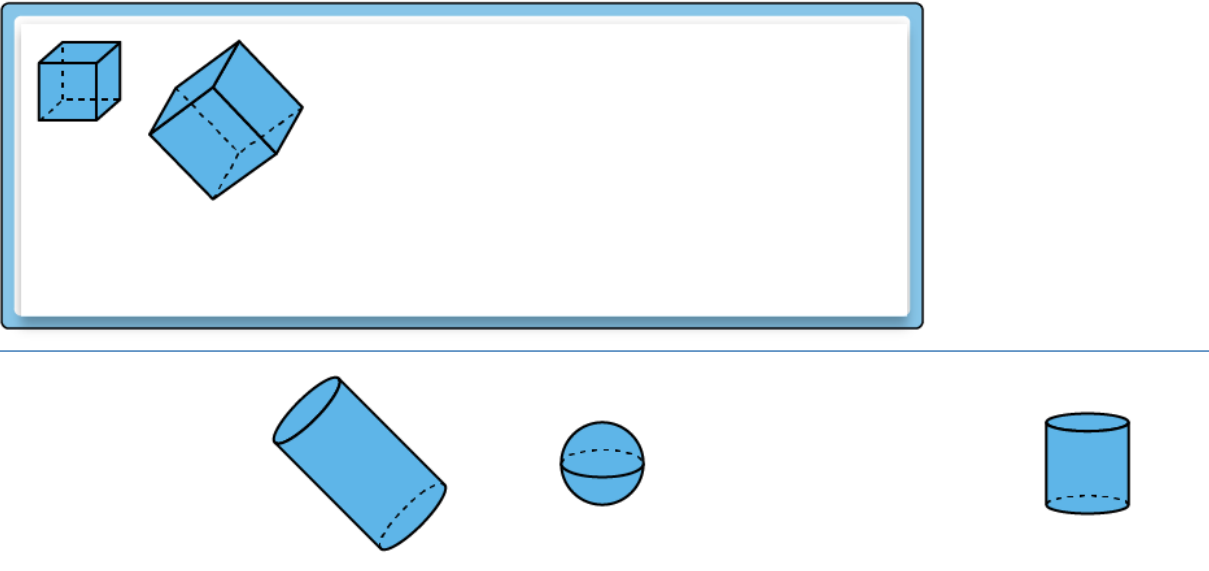
This standard focuses on two key understandings—basic 2- and 3-D shape recognition and the concept that changing the orientation or positioning of a shape does not change the shape. The vocabulary for these shapes is introduced in the cluster language, and students should be familiar with matching the names of the shapes with descriptions and images or objects. In this item, students recognize and select multiple cubes that are presented in different orientations.

**Coherence:** Students are first introduced to naming shapes, regardless of orientation or size, in this cluster. In other clusters, and in later grades, students will begin informally describing and comparing attributes of shapes, learning that orientation is not a defining attribute of a shape.<sup>K.G.B, 1.G.A.1, 2.G.A.1</sup> As they progress through the grades, students will use increasingly sophisticated language to define shapes and to relate categories of shapes.<sup>3.G.A.1, 4.G.A.2, 5.G.B</sup>

**Rigor:** This item attends to conceptual understanding. The ability to identify and describe shapes represents conceptual understanding.

**Answer Key:**

Move the cubes to the mat.



The diagram illustrates a selection task. At the top, a text prompt reads "Move the cubes to the mat." Below this, a rectangular selection box with a blue border contains two blue cubes: a small cube on the left and a larger cube on the right. Below the selection box is a horizontal mat containing three blue 3D shapes: a cylinder on the left, a sphere in the center, and another cylinder on the right.

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