NWEA Assessment Item Illustrating 2.G.A.1
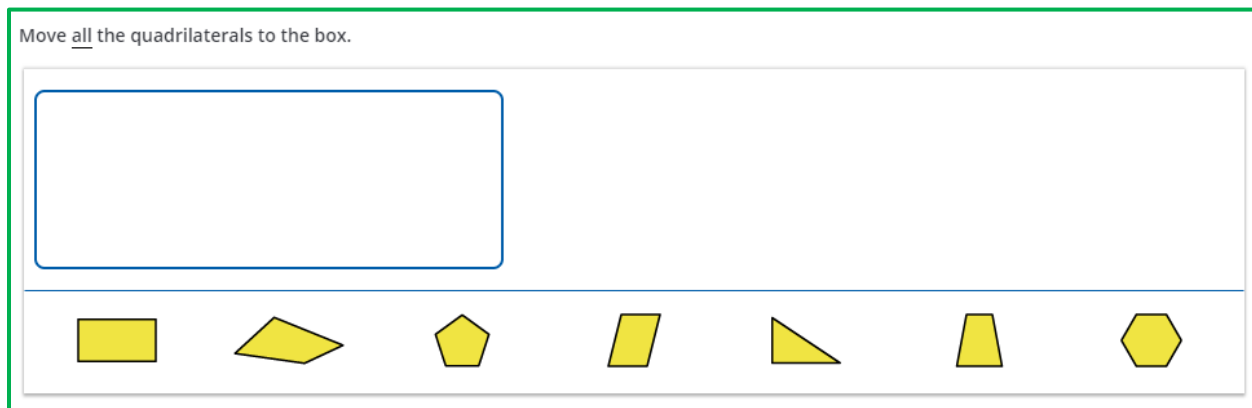
Domain: Geometry

2.G.A: Reason with shapes and their attributes.

Calculator Availability: No

Alignment: 2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.
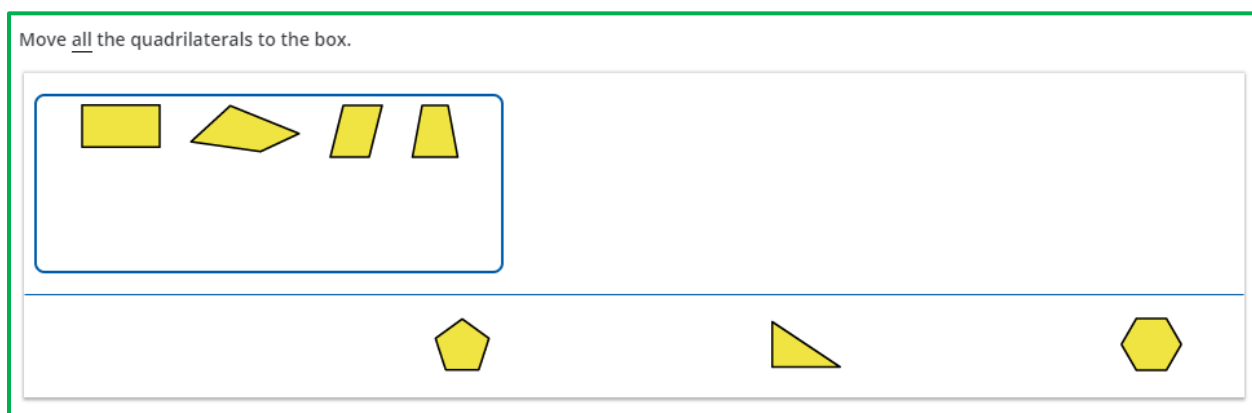
In this item, students use their knowledge of shapes and their properties to recognize the defining attributes of quadrilaterals as a general category. Students need to understand that quadrilaterals have 4 sides and 4 angles, while recognizing that the sides and angles are not always equal.

Coherence: In previous grades, students described, analyzed, and compared attributes of 2- and 3-dimensional shapes primarily using informal language.[K.G.B, 1.G.A.1] Much of this work was centered around identifying defining attributes. In grades 3–5, students will use more formal language to explore the relationship between shapes.[3.G.A.1, 4.G.A.2, 5.G.B] The inclusion of quadrilaterals in this standard connects the work of the earlier grades in simple classification to the work in the later grades in which students will demonstrate the understanding that a category of shapes can have more than one name.

Rigor: This item attends to grade-level conceptual understanding of the meaning of the term *quadrilateral*.

Answer Key:

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