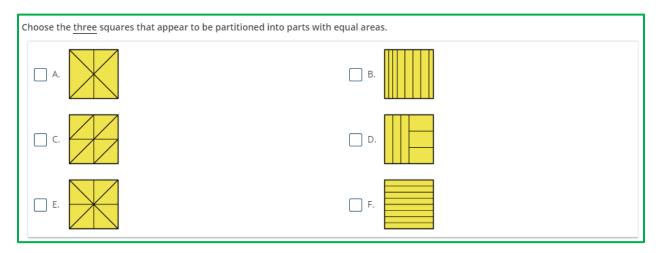
NWEA Assessment Item Illustrating 3.G.A.2

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Domain: Geometry

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

Calculator Availability: No



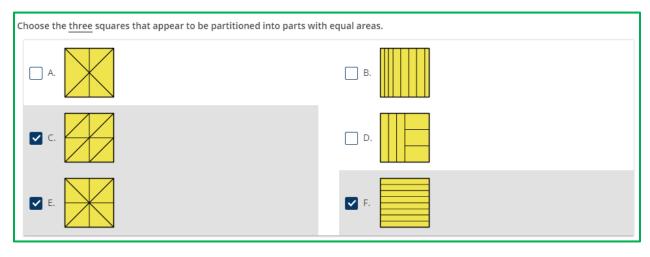
Alignment: 3.G.A.2: Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as 1/4 of the area of the shape.

This item assesses the first part of the standard. By requiring the students to identify three correct responses, this item reinforces the understanding that when partitioning a shape into parts with equal areas, the shape can be partitioned in multiple different ways as long as all partitions have the same area.

Coherence: Students began partitioning shapes in grade 1^{1.G.A.3} and continued in grade 2.^{2.G.A.3} The work that students do in the grade 3 Geometry domain supports the work that students with fractions in grade 3.3.NF.A.1, 3NF.A.2 This work also supports their understanding of area models.3.0A.A, 3.MD.C.7 Partitioning shapes can also help students better understand area models—both how to construct them and how to relate them to multiplication. 3.MD.C.7

Rigor: This item attends to students' conceptual understanding of what it means to partition a shape into equal areas.

Answer Key:



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