

# CCSS Mathematics Assessment Task

## Making Hexagons

Grade Level: Kindergarten
<p>Mathematics Domain and Cluster:</p> <p>Domain: Geometry</p> <p>Cluster: Analyze, compare, create, and compose shapes.</p>
<p>Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard):</p> <p>K.G.6: Compose simple shapes to form larger shapes. For example, “can you join these two triangles with full sides touching to make a rectangle?”</p>
<p>Student Materials:</p> <ul style="list-style-type: none"> <li>Pattern Blocks (all except yellow hexagon, orange square and tan rhombus)</li> <li>Making Hexagons Workmat</li> </ul>
<p>Teacher Materials:</p> <ul style="list-style-type: none"> <li>none</li> </ul>
<p>Directions (for teacher to administer assessment task):</p> <p>Teacher should assess students in small groups or as a whole class.</p> <ul style="list-style-type: none"> <li>Hand out Making Hexagons Workmat (one per student). Ask question prompts.</li> <li>Teacher can observe if the student uses slides (translations), flips (reflections), and/or turns (rotations) purposefully.</li> <li>Teacher could use a camera to document results.</li> </ul>
<p>Prompt:</p> <ul style="list-style-type: none"> <li>Give the student(s) the pattern blocks. Say: <b>Use these pattern blocks to make the hexagons outlined on the Workmat. How many different ways can you fill the same shape?</b></li> </ul>
<p>Possible Student Responses:</p> <ol style="list-style-type: none"> <li>2 Red Trapezoids</li> <li>3 Green Triangles, 1 Red Trapezoid</li> <li>6 Green Triangles</li> <li>3 Blue Rhombi</li> <li>2 Blue Rhombi, 2 Green Triangles</li> <li>1 Blue Rhombus, 1 Green Triangle, 1 Red Trapezoid</li> <li>4 Green Triangles, 1 Blue Rhombus</li> </ol>

Scoring Guide/Rubric (a score should be awarded for each criterion below)			
Criteria (CCSS code)	0 points	1 Point	2 Points
Composes simple shapes to form larger shapes.	Student does not accurately use simple	Student accurately uses simple shapes to form	Student accurately uses simple shapes to

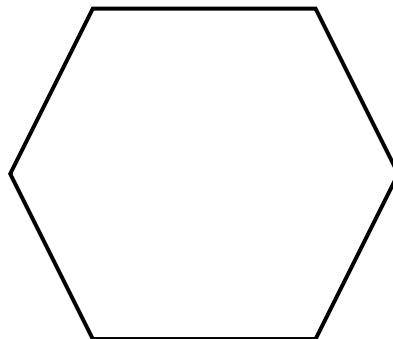
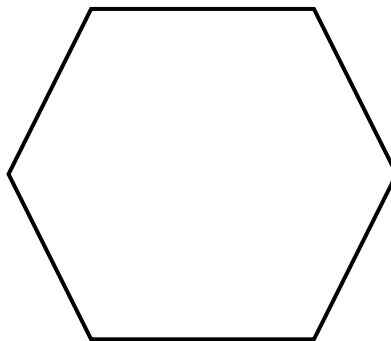
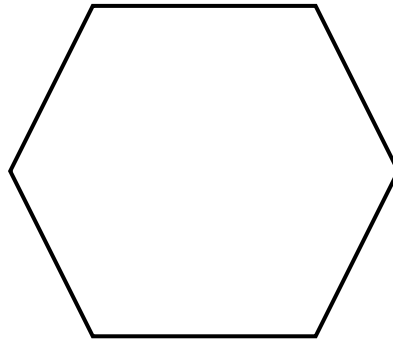
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(K.G.6)	shapes to form larger shape.	larger shape in 1-2 different ways.	form larger shape in 3 different ways.
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Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Making Hexagons Workmat

Use the pattern blocks to cover the shapes outlined on the Workmat. Be sure to keep all the shapes inside the outline and cover the entire space.



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### Scoring Guide/Rubric (a score should be awarded for each criterion below)

Criteria (CCSS code)	0 points	1 Point	2 Points
Composes simple shapes to form larger shapes. (K.G.6)	Student does not accurately use simple shapes to form larger shape.	Student accurately uses simple shapes to form larger shape in 1-2 different ways.	Student accurately uses simple shapes to form larger shape in 3 different ways.