

Kit name: Rectangle Dissections (Grades 3-5)

Description: Cut apart a rectangle in different ways to see how many shapes you can make.



Alignment for Rectangle Dissections (Grades 3-5)

To the Common Core State Standards Mathematics <http://www.corestandards.org>

This kit addresses the following standards:

Common Core:

- 4.G.A.2** Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.

- 4.G.A.3** Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

Extension:

For students who are ready to work with area, have them create shapes using the entire rectangle, so that each shape has an area of 8. Then, challenge the students to create area formulas for triangles, parallelograms, and trapezoid. Make sure that they see as long as they use the entire rectangle, the area will be 8.

- 6.G.A.1** Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

When reserving kits, please be sure to:

- **Return** filled out reservation form
- **Review** required kit materials prior to event
- **Return** evaluation forms
- **Replace** consumables