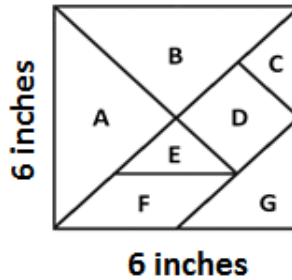


MAKER JOURNAL

Name: _____

Date: _____

6th grade: Define ---Decompose a polygon into other polygons & find their areas!
Lesson 2

Use the space below to show how you can decompose tangram pieces to make other polygons. Identify the polygons you create and their areas:

Example:

I can decompose square D by dividing it along a diagonal to create 2 right triangles that are each half the area of square D. The area of square D is $\frac{1}{8}$ th the area of the whole tangram; then D has an area of $(\frac{1}{8})(36) = 4.5$; so each triangle made from square D has an area of $(\frac{1}{2})(4.5) = 2.25$ sq. in.

