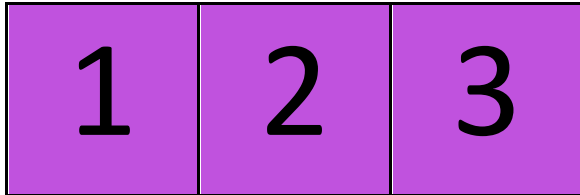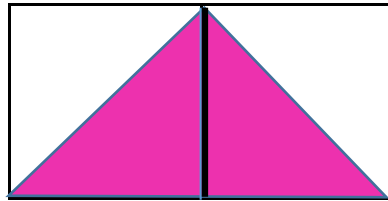# Area with Tangrams

Area is the size of a surface. Area is given in square units of measurement.

The rectangle below has an area of three square inches. Notice that each of the three squares that makes up the rectangle have sides that are one inch long.

The Triangle below does not fill both squares. Since only half of the first square and half of the second square is filled by the triangle, this shape has an area of 1 square inch.

Does the shape below have an area of 6 square inches? How do you know?