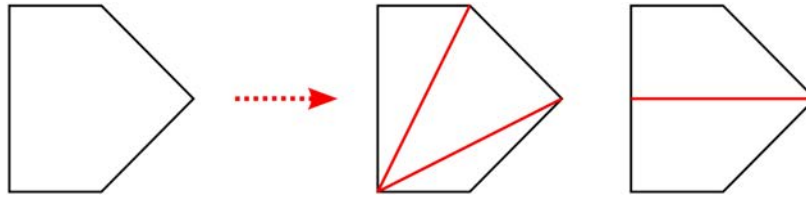


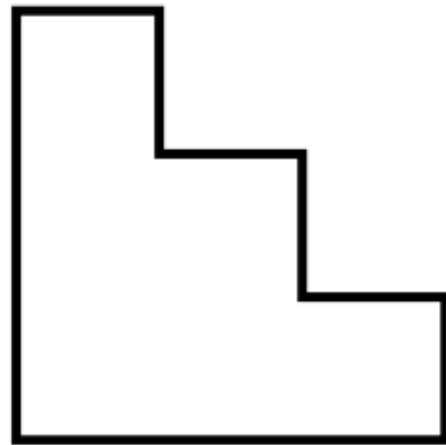
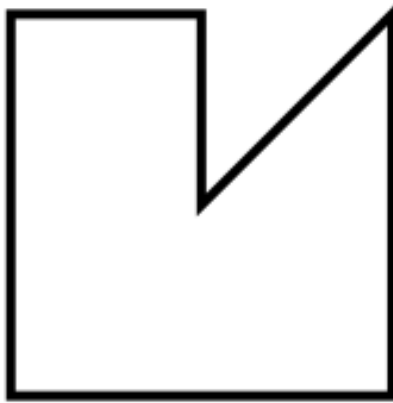
Puzzle of the Week

Finding the Pieces – 5

A **trapezoid** is a four-sided figure that has exactly one pair of parallel sides (parallel lines in a surface are lines that never meet). The figure on the left can be broken into three pieces which are triangles. It can also be broken into two trapezoids.



THE CHALLENGE: For each of these two figures, find a way to break the figure into as few triangles as possible. Also find a way to break each figure into as few trapezoids as possible.



EXPLORATION: Are there other ways to break these two figures into triangles or trapezoids in as few pieces?