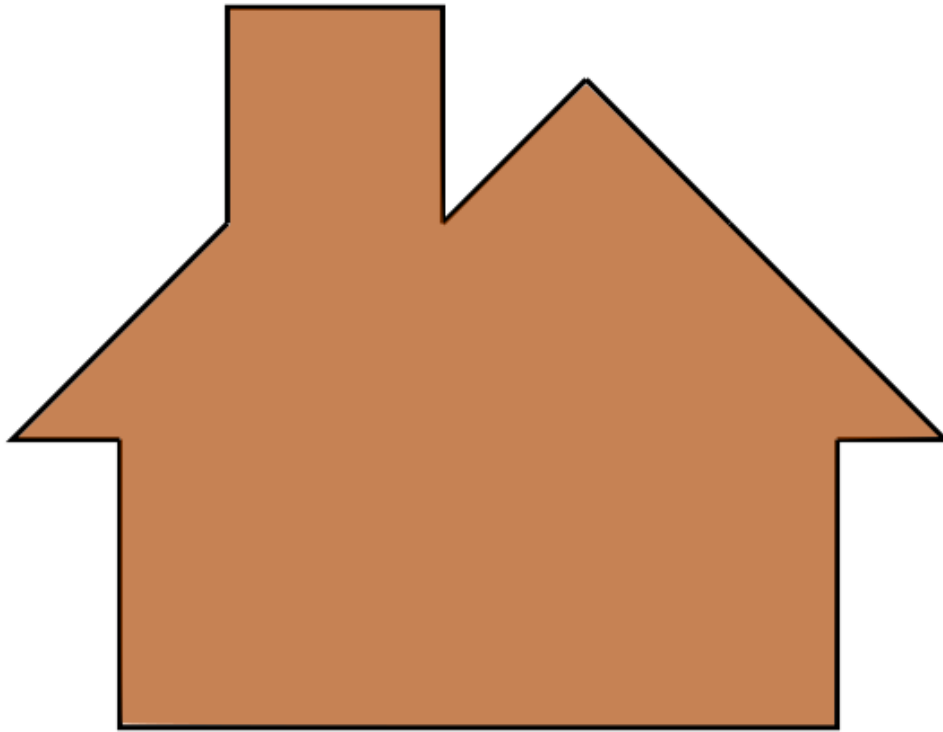


Puzzle of the Week

Finding the Pieces – 3

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). A **parallelogram** is a four-sided figure that has two pairs of parallel sides. A **rectangle** is a four-sided figure with four right angles. A **square** is a rectangle with four equal sides. A **right triangle** is a triangle with a right angle.

THE CHALLENGE: Break this figure up using trapezoids, parallelograms, rectangles, squares and right triangles. Use as few pieces as you can.



EXPLORATION: How many ways can you find to do this using this fewest number of pieces?



Puzzle of the Week

Picking up the Pieces – 3 – Notes

THE CHALLENGE: Here are two ways to break this drawing into four figures. The answer on the left uses a square, a parallelogram, a right triangle, and a rectangle. The answer on the right uses a square, two trapezoids, and a rectangle. There are other answers, such as changing the first answer by turning the square and parallelogram into a trapezoid and a right triangle. How many answers can your students find?

