

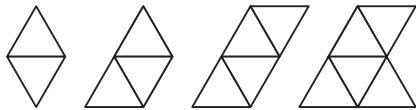
Problem Solving: Find a Pattern

CA Standards
 MR 1.1, AF 2.2

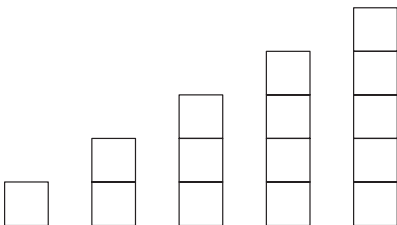
Find a pattern to solve each problem.

1. Hope used 1-inch tiles to make a pattern. The first figure has 1 tile, the second figure has two tiles side by side, and the third figure has three tiles side by side. If she continues her pattern, what will the perimeter of the fifth figure be?

3. Ellen created a pattern using triangles with 1 inch per side. If she continues the pattern, what will be the perimeter of the seventh figure?

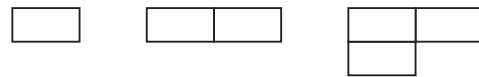


5. If Danielle continues the pattern with 1-inch squares, what will the perimeter of the ninth figure be?



2. Marc made a pattern using square tiles. The first figure is 1 tile. The second figure is 3 tiles stacked in a column. The third figure is 5 tiles stacked in a column. What would the area of the sixth figure in his pattern be?

4. Hank made a pattern using rectangles that were 2 inches long and 1 inch wide. If the pattern continues what will be the perimeter of the next figure?



6. Ling began the pattern below. She used squares with 1-inch sides and triangles with a 1-inch base and 2 inches on each side. If the final figure is to look like a star, which figure will be the last and what is its perimeter?

