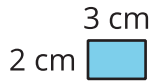# Lesson 3: From Visual Patterns to Numerical Patterns
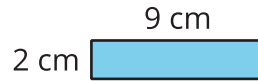
Cool Down: Another Set of Rectangles

Here are steps 1 and 3 in a pattern of rectangles where a side length grows by 3 centimeters each time.

    step 1   step 2   step 3   step 4

1. Draw the missing rectangles in steps 2 and 4. Label the sides with their lengths.

2. Write a numerical pattern to represent the pattern. Explain how your numerical pattern represents the rectangles.

3. If the pattern continues, could 50 represent the side length or area of one of the rectangles? If so, which step? If not, why not? Explain or show your reasoning.