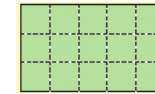


Find the Area of a Rectangle



Materials: one-inch graph paper, one-inch color tiles, rulers

1. Draw 6 different sized rectangles with whole number side lengths on one-inch graph paper. Label the rectangles A – F.
2. Measure the area or space inside each rectangle by tiling it with one-inch color tiles. Count and record the number of tiles it takes to cover each rectangle.
3. Measure the length and width of each rectangle. Record your data in a table, as shown below.

Rectangle	Length (cm)	Width (cm)	Area (cm ²)
A			
B			
C			

4. Look closely at your data. What is the relationship between the side lengths of each rectangle and its area? Write a rule, in your own words, for finding the area of a rectangle.
5. Explain why tiling a rectangle gives the same measurement of area as multiplying the side lengths.