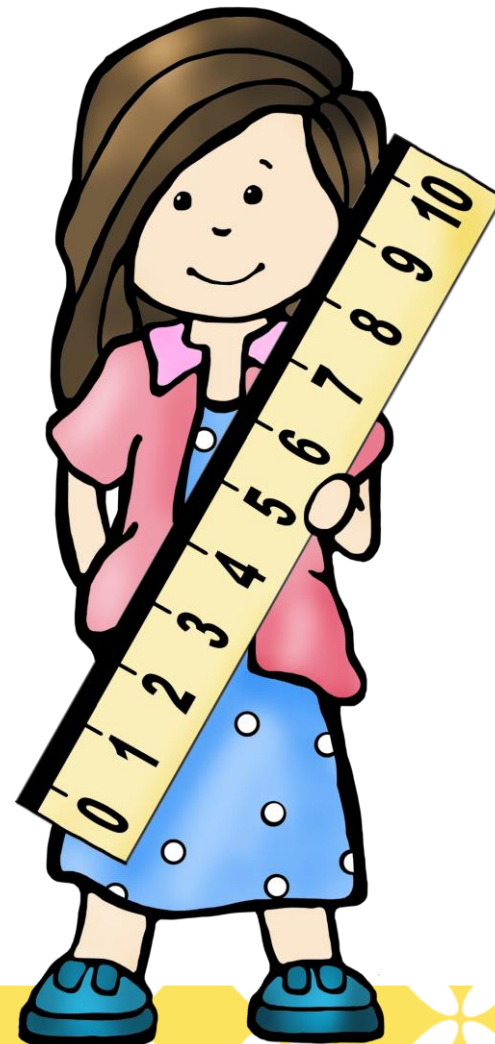


3.MD.C.7

Area of Rectangles

Connecting Tiling and Multiplication



Area of Rectangles

Materials:

- 1 inch graph paper
- 1 inch square tiles
- Inch rulers
- Recording sheet

Directions:

- 1) Draw 6 rectangles with whole number sides on the graph paper. Label the rectangles A - F.
- 2) Measure the area, or space inside each rectangle, by tiling it with square inch tiles. Count and record the number of tiles it takes to cover the rectangles on the recording sheet.
- 3) Measure the length and width of each rectangle and record it on the table on the recording sheet. Determine the area of each rectangle and record it.
- 4) Use the data on the table to answer the questions.

Name _____

Date _____

Recording Sheet - Area of Rectangles

Rectangle	Number of 1 inch tiles needed to cover it	Length (inches)	Width (inches)	Area (in. ²)
A				
B				
C				
D				
E				
F				
G				

1. 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.

2. Explain why tiling a rectangle gives the same measurement of area as multiplying the side lengths.

Graphics and Fonts

