



Exploring Area



For this project you need to find the area of two rectangular figures in your home using tiling.

Requirements:

- Choose two rectangular figures in your home. For example, you might choose a rug and the top of a table, the front cover of a newspaper and the floor of your kitchen, or any other two rectangular shapes you find.
- Choose a square unit. You can cut square units of the same size from newspaper or use a square unit that you have in your home (e.g. squares from a paper towel roll). Use tiling to cover each rectangular shape without gaps or overlaps using identical square units.
- Record the number of rows of square units, the number of square units in each row, and the number of square units in all that you used to cover each rectangular figure.
- Using pictures, words, and a number model show how you used tiling to find the area of each rectangular figure. Explain how the area is the same as would be found by multiplying the side lengths.
- Compare the area of the two rectangular figures you measured. Which rectangular figure had the larger area? How much larger?

Think of a creative way to present your project!