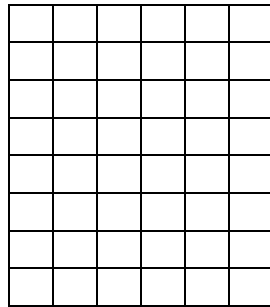


Possible Solutions

Remy's family wants to turn their outdoor patio into an indoor sunroom. Part of the plan calls for covering the concrete slab with carpet squares that are 1 foot long on each side.

Based on the illustration below, how many carpet squares are needed to cover the slab? Explain how you determined the number of squares they needed.



6 squares of carpet are needed to make one row across the slab.

9 rows are needed to cover the slab.

9 rows with 6 carpet squares in each row or 9 rows times 6 1-foot carpet squares per row

9 times 6 or $9 \times 6 = 54$

The rectangular slab has an area of 54 square feet.