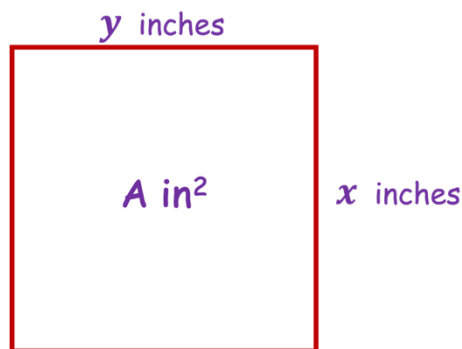


Zara found some fabric that she likes. She wants to cut a square from the fabric. Each side of the square is some unknown number of inches.



1. Emily and Mauricio made a drawing of Zara's fabric, shown below. The variable x represents the length, y represents the width, and A represents the area of Zara's square.



- A. **Do you agree** with Emily and Mauricio's drawing? Explain your reasoning.

- B. **Pick a value for x** and make a drawing that shows the length, width, and area of Zara's square. Compare your drawing to Emily's and Mauricio's.



2. **Write an algebra** equation for the area of Zara’s square using two variables. Explain why the equation only needs two variables.

Equation: _____

Explanation:

