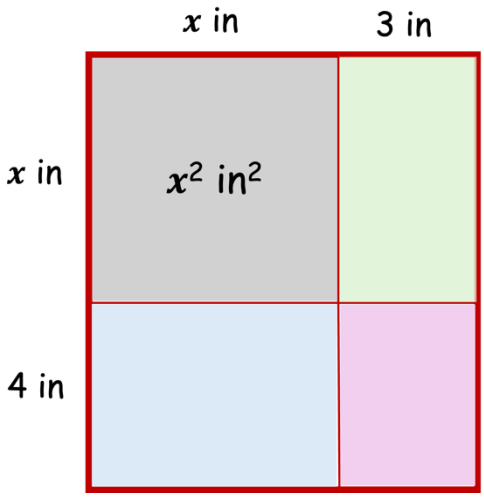
Each side of Zara's square of fabric is some unknown number of inches. Noah's rectangle is 4 inches longer and 3 inches wider than Zara's square.

Emily and Mauricio came up with two methods for finding the area of Noah's rectangle. Their drawing and equations are shown below.



$$(x + 3) \cdot (x + 4)$$

$$(x \cdot 3) + (4 \cdot 3) + (x \cdot 4) + x \cdot x$$

1. For each method, **explain what each part** of their expression means in the fabric context.

A. Method 1: (x + 3) • (x + 4)

x represents_____

3 represents_____

x + 3 represents_____

x represents_____

4 represents_____

x+4 represents_____

(x + 3) • (x + 4) represents_____

B. Method 2: **(x • 3) + (4 • 3) + (x • 4) + x • x**

x represents_____

3 represents_____

x • 3 represents_____

4 • 3 represents_____

x • 4 represents_____

x represents_____

x represents_____

x • x represents_____

(x • 3) + (4 • 3) + (x • 4) + x • x represents_____