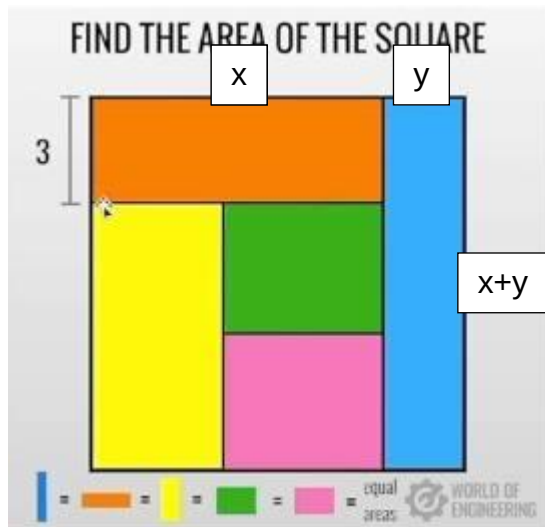




Info: The small areas are equal.

$$\text{Area of Square} = 5.3x = 15x = (x + y)^2 = x^2 + 2xy + y^2$$

$$\text{Equation1: } 15x = x^2 + 2xy + y^2$$

2 rectangles' areas are equal.

$$3x = y(x + y) = xy + y^2$$

$$\text{Equation2: } 3x = xy + y^2$$

Equation1 - Equation2:

$$12x = x^2 + xy$$

$$12 = x + y \text{ (edge of square)}$$

$$\text{Area} = 12 \cdot 12 = 144$$