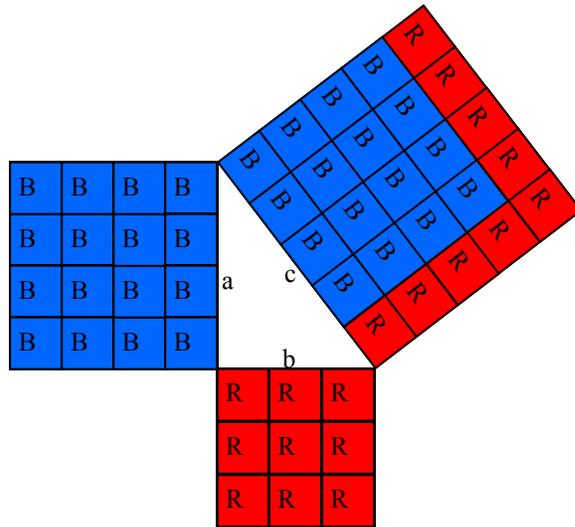


Interior design answer key

Answer to steps 1—6



Answer to step 7

The sum of the areas of the two smaller squares is equivalent to the area of the largest square ($a^2 + b^2 = c^2$)

Extension (step 8)

The area of the squares are quadrupled.

$$3^2 + 4^2 = 5^2$$

$$9 + 16 = 25$$

$$6^2 + 8^2 = 10^2$$

$$36 + 64 = 100$$