

# PYTHAGOREAN THEOREM: $a^2 + b^2 = c^2$

*Number & Operations, Algebra, Measurement, Geometry*

Use the model below to see what the Pythagorean Theorem means. Color  $a^2$  with red and  $b^2$  with blue. Then, in  $c^2$ , color as many squares with red and blue as you did in  $a^2$  and  $b^2$ .

The arrangement of colors in square  $c$  will be different than their arrangements in squares  $a$  and  $b$ , but the area will be the same.

