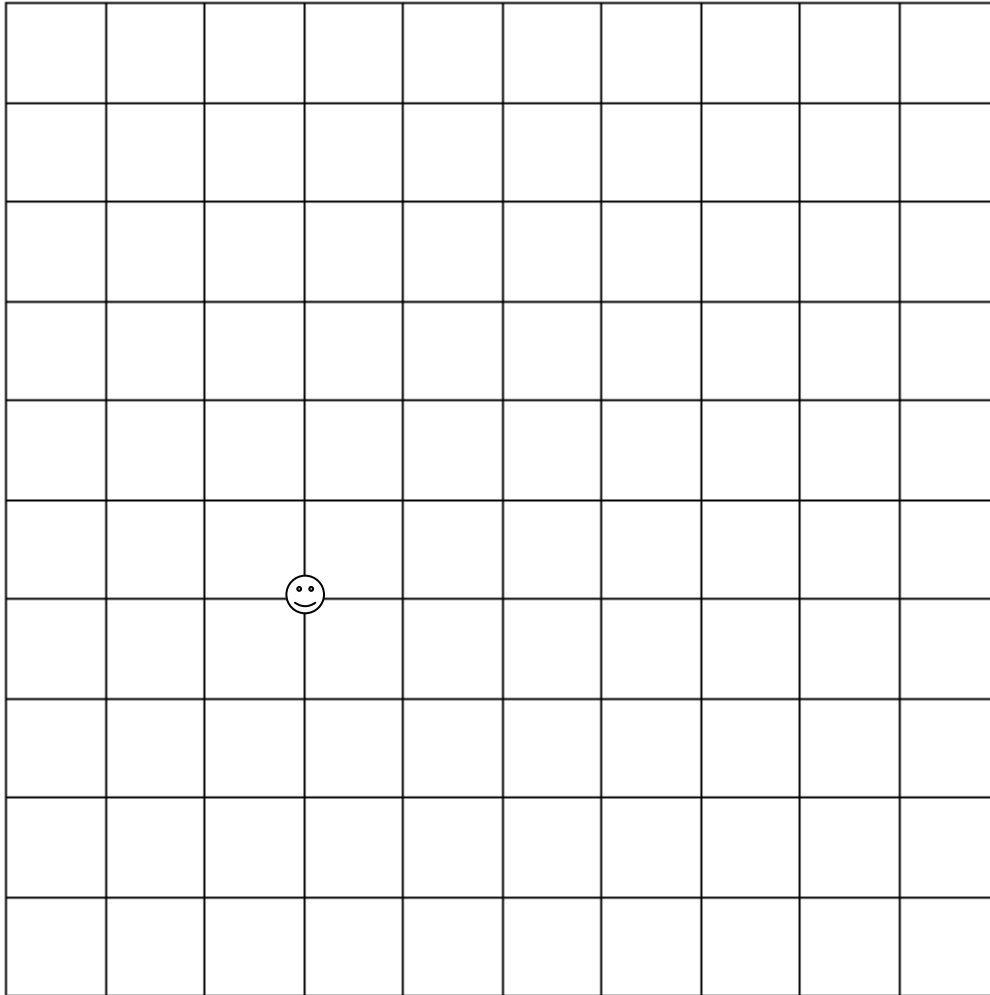


Developing Pythagorean Theorem Activity



Starting at the happy face, draw a vertical line that extends up three squares. Again starting from the happy face, draw a horizontal line that extends to the right a distance of 4 squares.

Connect the ends of those lines that you have drawn. You should now have a right triangle.

Draw a square that touches the left side of the triangle and matches up against it perfectly. Do the same thing to the bottom of the triangle. Shade or color each square that you have drawn in a different manner.

Next, cut out the grid on the other page.

Use the grid as a “ruler” to find the length of the longest side of the triangle.

Once you have the length of the longest side, cut out a square with sides of that length.

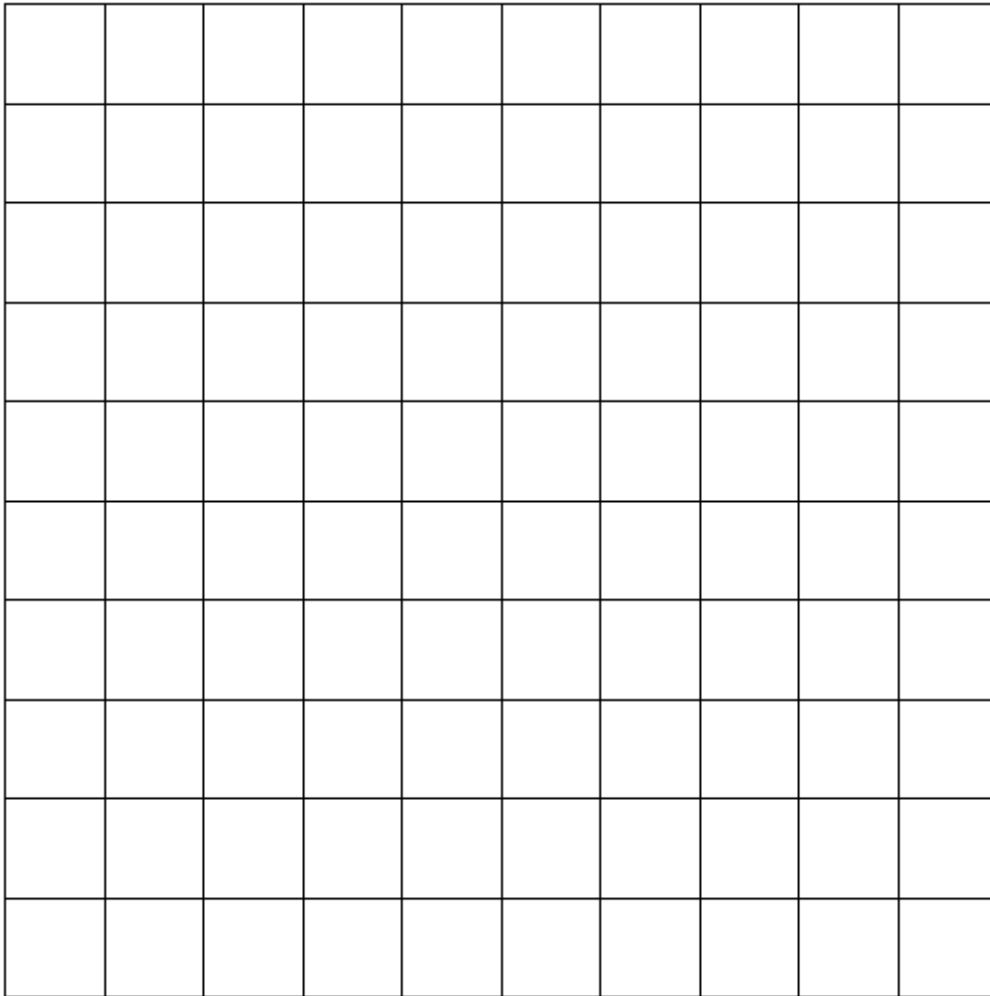
Glue, or tape, that square up against the longest side of the triangle.

Determine the area of each square and write the area inside each square.

Developing Pythagorean Theorem Activity

Can you see a relationship between these three numbers?

Can you make up a rule that could be used for all right triangles? What do you think the rule is?



Developing Pythagorean Theorem Activity

Can you find another triangle that fits your rule?

