Mathematics

Right-angled triangles and tilted squares.

Downloadable resource. Lesson 4 of 8.

Dr Rim Saada



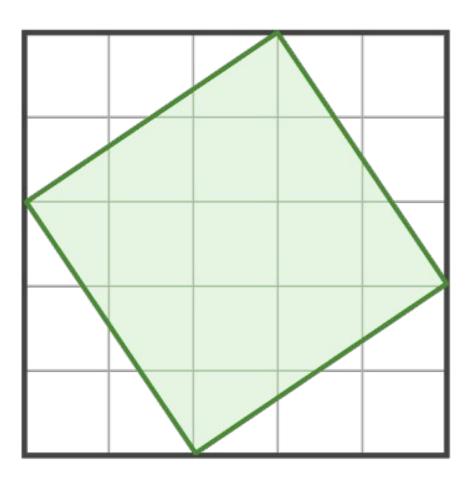
Try this

Find the area and side lengths of these 3

squares.

What do you notice?

What's the same and what's different between the 2 diagrams?



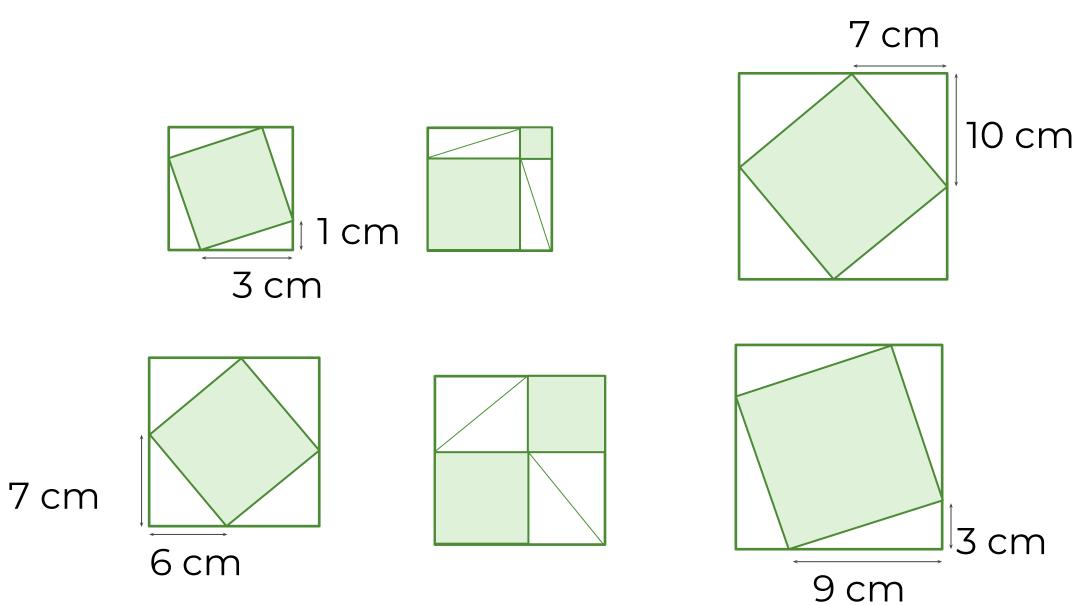


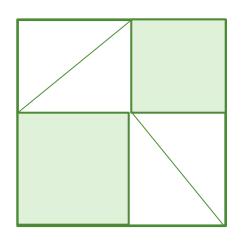
Independent task

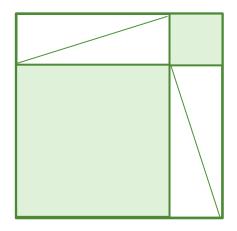
In each pair of diagrams, all of the triangles are congruent. For each set:

1) Find the area of each green square.

2) Find the length of the final side of the triangle.

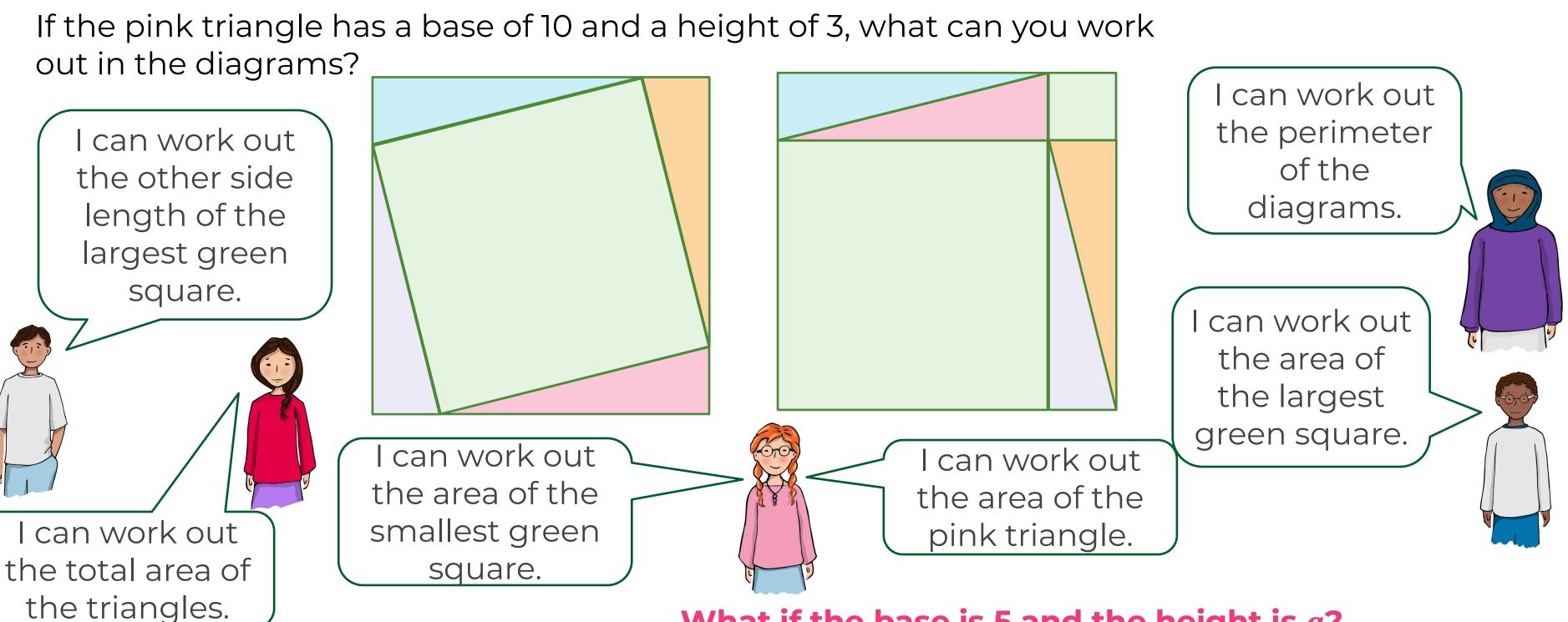








Explore



What if the base is 5 and the height is a?

