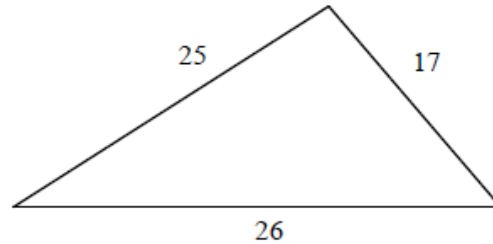


Area using Heron

How would you find the area of the given triangle using the most common area formula?

$$A = \frac{1}{2}bh$$

Since no height is given, it becomes quite difficult...



Heron's Formula

Heron's formula allows us to find the area of a triangle when only the lengths of the three sides are given. His formula states:

$$K = \sqrt{s(s-a)(s-b)(s-c)}$$

Where a , b , and c , are the lengths of the sides and s is the semiperimeter of the triangle.