

Reason 1.

small square, large triangle



← as seen, the triangle
DOES NOT fit in the square.

Reason 2.


just because the amount of sides in a triangle
does not mean that it fits, again, because of size.





← a six sided hexagon fits in a
square

Reason 3.

there are different types of triangles. A few are

• Acute  (all angles $< 90^\circ$)

• scalene  (no equal sides)

• Obtuse  (one angle $> 90^\circ$)

some of these CANNOT fit in a
square.