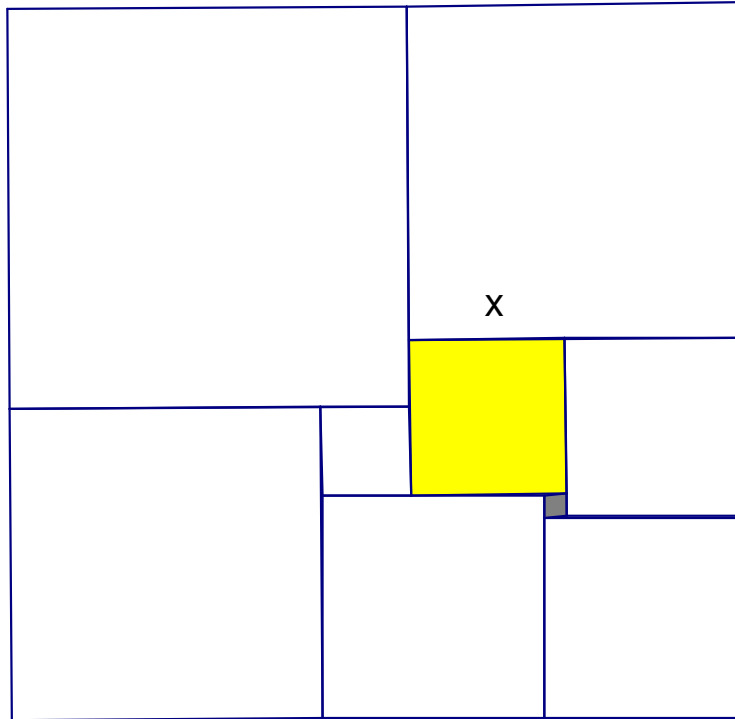


Squares Everywhere



The figure above has been divided into nine squares, the smallest one, darkly shaded, has sides of length one and the lightly shaded square has sides of length x . Determine x and also determine the perimeter of the large figure.