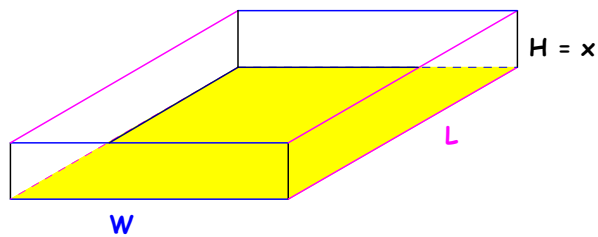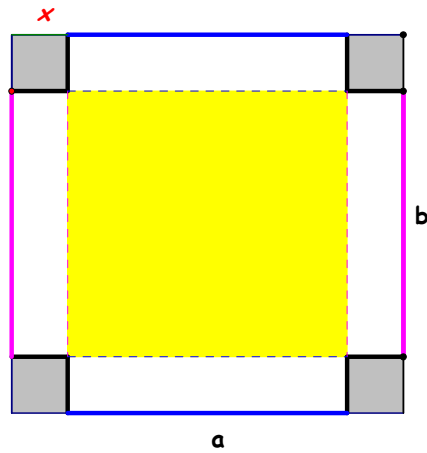# Topless Box Problem

A square is cut from each corner of a rectangular sheet that measures a units by b units.

The sheet is then folded up to make a topless box.

What is the largest volume for the box?