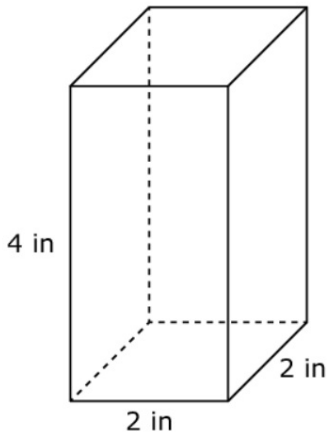
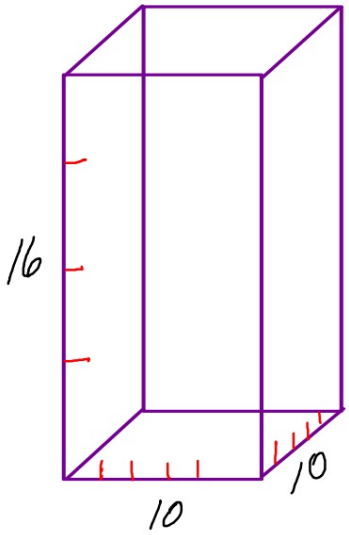
A company makes two sizes of boxes shaped like rectangular prisms. The large box is 16 inches tall, 10 inches wide, and 10 inches long. The drawing shows the dimensions of the small box.

$16(10)(10) = 1600$

$4(2)(2) = 16$

$\frac{1600}{16} = 100$





Part A

What is the maximum number of small boxes that can fit inside the large box?

100 BOXES

Part B

The company plans to increase the width and length of the large box by 4 inches each to create a new larger box. How many more of the small boxes will be able to fit inside this new larger box compared to the original large box?

96 ADDITIONAL BOXES