

How Many Toothpicks?

Focusing Question: How many toothpicks would it take to make the following shape (one side of each small square is made up of one toothpick)?

- Which of the methods is a more efficient way of counting?
- Can you find an efficient method that works for a rectangle of any size?
- In this manner, is it possible to arrange 600 toothpicks in a rectangle? 650 toothpicks?

