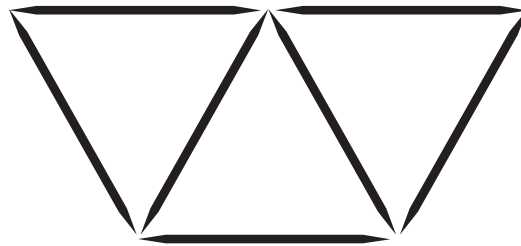


# MathFLIX Challenge

## A Toothpick Pattern Rule: *Difficult*

In the picture below, the toothpicks form triangles. Explain a rule you can use to find the total number of toothpicks needed to make any given number of triangles.



Use words, symbols or diagrams to solve the problem. Also, explain in words the steps you took to solve the problem and why you took those steps.

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