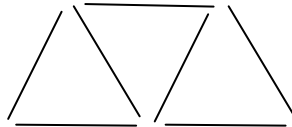


# Homework Assignment 5B


(To be used following Lesson 6)

Name: \_\_\_\_\_ Date: \_\_\_\_\_

While waiting for dinner to be served Lulu created a chain of triangles using toothpicks. Her chain looked like:



1. Complete the table.

Number of  s	1	2	3	4	5	6	7
Number of Toothpicks							

2. Analyze the growing pattern.

3. Write a rule in words and with variables using step numbers to find any number of toothpicks.

4. How many toothpicks will be needed to create a chain of 15 triangles? 50 triangles? How do you know?