

Name: Jacob Stevens

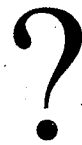
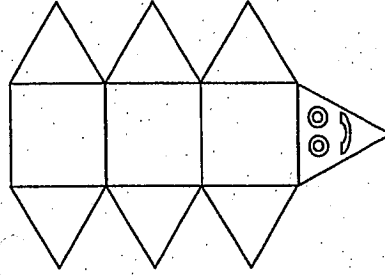
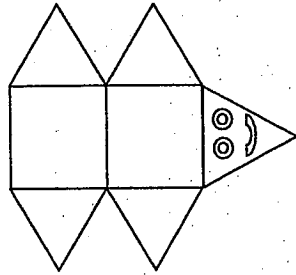
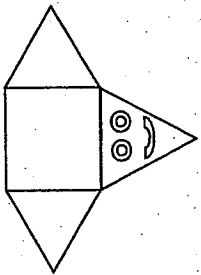
Teacher: Mrs. Burk

Grade: 2

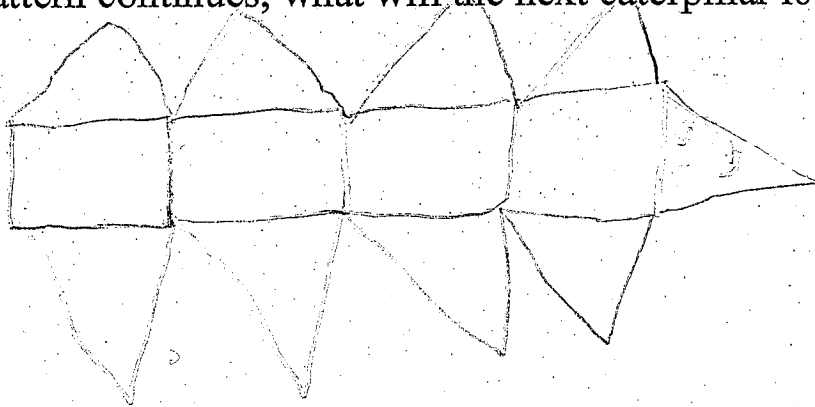
The Magic Caterpillar

Utah's Largest Math Event (qualifier)

The shapes below show how the Caterpillar grows.



1. If this pattern continues, what will the next caterpillar look like? Draw it.



2. When there are ten squares, how many triangles are there? 21

3. How do you know? Triangles are always double the squares + 1.

4. When there are fourteen triangles, how many squares are there? Impossible.

5. How do you know? These caterpillars always have a odd number of triangles.