

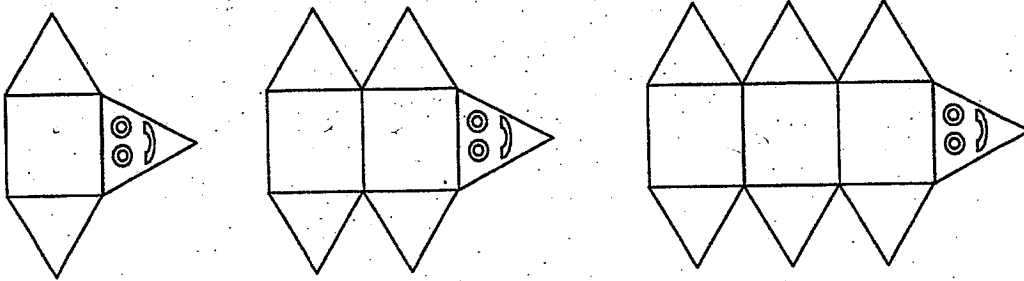
Name: Ethan
Grade:

Teacher:

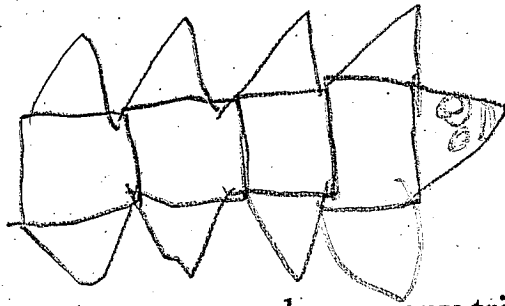
The Magic Caterpillar

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? 20

3. How do you know?

There were 10 squares and 20 triangles there. There were 20 triangles and 10 squares.

4. When there are fourteen triangles, how many squares are there? 7

5. How do you know?

I built it with shapes and counted them.