

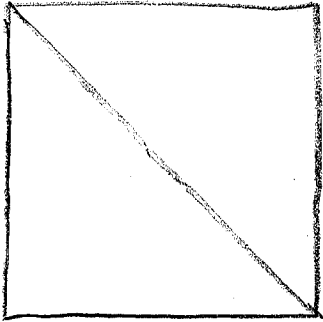
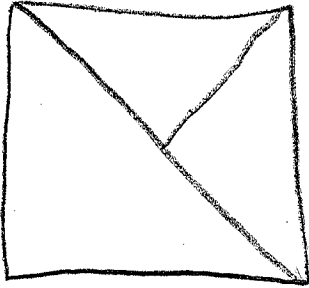
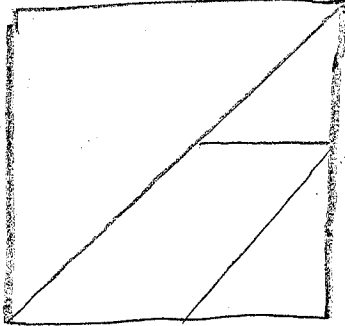
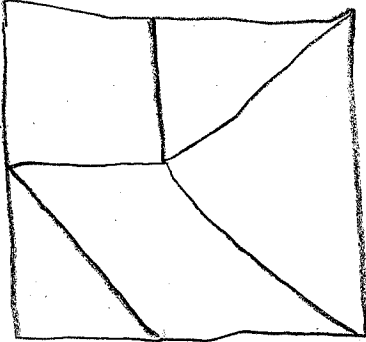
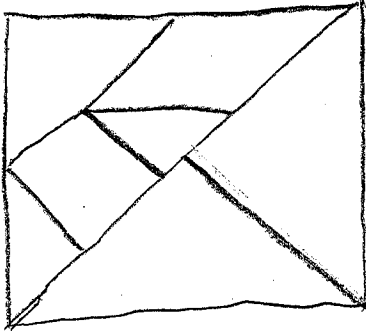
Name: *Charlie*  
Grade: *5*

Teacher: *Mr. Holt*

## It's All In the Pieces

Utah's Largest Math Event 2009 (qualifier)

Construct squares using 2 pieces, 3 pieces, etc., all the way up to 7 pieces. Sketch your solutions and answer the questions below.

# of pieces	Solution	# of pieces	Solution
2		3	
4		5	
6		7	

1. Explain your strategy for assembling the different squares. #2 = it was 2nd grade... 2 triangles = a square. 5 = if you make the triangle and take the 2 biggest triangles away there's a square. 7 = It was hard but all you had to do was make half with the 2 large ones and half with the rest. 4 = I was simple, all you really had to do was find the top point. 3 = this one was such like 2 make 2 halves.

2. Are there any amounts that are not possible to make a square with? Which amounts?

Why is it impossible? 6, you cannot make 1 half with 3 parts, in my combination.