Mathletes Problem of the Week #22

Paper Eight

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This week we are folding paper! Your challenge is to try to fold a piece of paper like the one above so that the numbers end up being stacked on top of each other in order: 1 on the top, then 2 on top of 3, 3 on top of 4, 4 on top of 5, 5 on top of 6, 6 on top of 7, and 7 on top of 8, which is on the very bottom. It's okay if the numbers end up upside-down or reversed. But you can only fold the paper – no cutting!

To get started, print out the next page, or make your own copy of the puzzle paper with the numbers in the exact same order. It may help to write the numbers on the back of the paper as well so you can see them from both sides.

If you solve the original puzzle, try the harder version by printing out or making your own copy of the puzzle from the last page. The goal is the same. Are you up for the challenge?

Solutions & Explanations: (Try one or try them all! Can you explain how you folded the paper?)

Name _____   **Class** _____

(First and last name, please!)   **Solutions due: May 29th**

4

5

7

6

8

3

1

2

7　6

2　3

8　5

1　4