puzzle #1

Can you draw a maze that fills up the whole page of paper you are using?

Can you draw a maze that uses BOTH sides of a piece of paper?

Can you put holes in your paper and draw a maze that has you following those holes back and forth between the two sides of the paper?

**ANSWER TO PUZZLE 1:**

Did you try one or more of these ideas? Did you have success? Was it fun?

**ANSWER TO PUZZLE 2:**

The are 8 paths starting from the center square. There are 0 paths starting from the edge cell!

(Care to count paths from different starting cells in a 4x4 grid? For example, there are 52 different paths starting from a given corner.)

How many different ways are there to walk through the grid starting at the middle square? How many starting at an edge square different from a corner?

**About the Author: Dr. James Tanton**

The NMF Weekly is written by mathematician Dr. James Tanton as a resource for friends and fans of the 2021 National Math Festival.

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