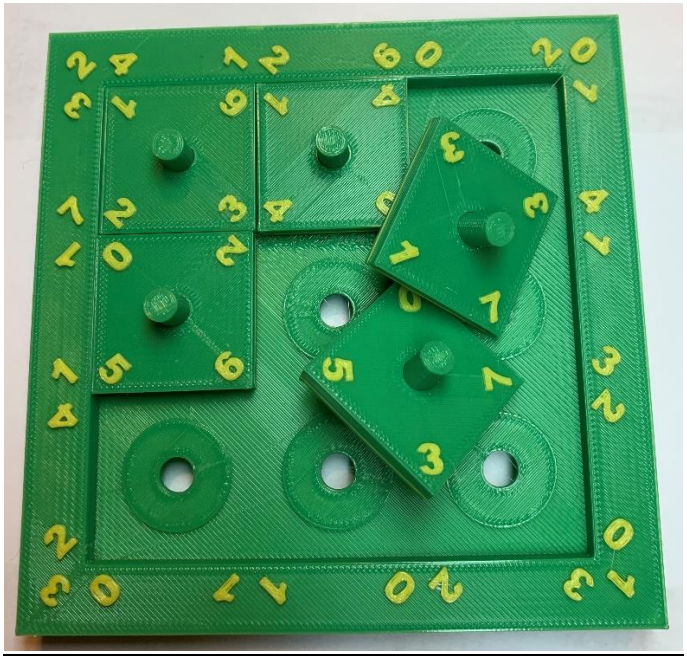
Sum More Fun



Goal: To put the nine square tiles with numbers on them into the square frame such that the sums of the numbers where each corner of the tiles meets add up to 10.

How it works

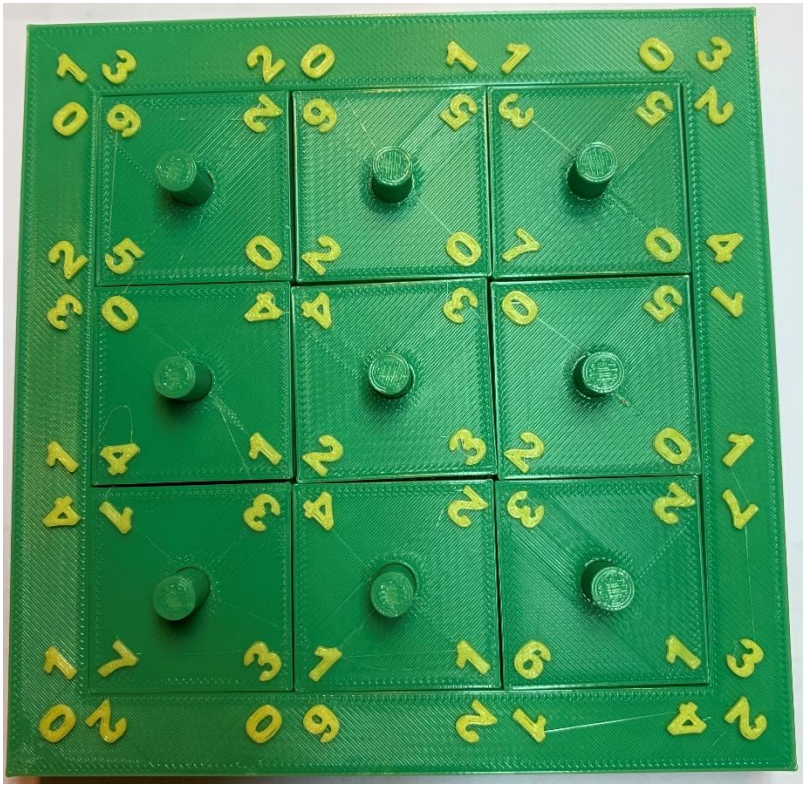
There are nine square tiles with single digits on each corner and a square frame with numbers around its perimeter A player can pick up one of the tiles, rotate it, and place it into the frame so that the numbers in the corner of the frame combined with the number on the tile add up to 10.

The player would then select a second tile and after rotating as needed place it into the frame, again placing it such that the numbers wherever four digits come together add up to 10. This would continue until all nine tiles are placed and all sums are confirmed to be 10.

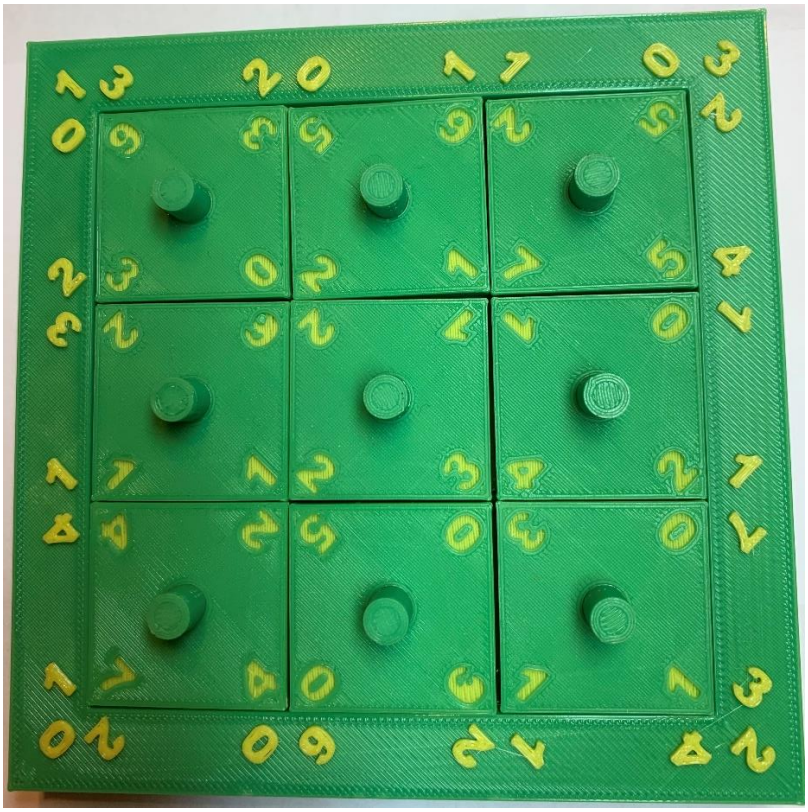
There are numbers on both sides of each tile, raised on one side, and recessed on the other. The puzzle requires that the tiles be turned such that all numbers are the same configuration (raised or recessed) on all squares in order for there to be a valid solution. Once a solution has been found for one configuration, all nine tiles may be turned over for a new challenge.

Strategy: Always start at a corner on the frame and determine the single digit that will satisfy the equation to make a sum of 10. Then find how many tiles have the required number on them. If there is only one tile with that number, you immediately know the location for one of the nine. If there are two or more tiles that could satisfy the equation, try one of them and see how far you can get with the other tiles. If you hit a dead end, then try the next one, keeping up with which ones you have tried until you find a successful solution. Note that the largest digit used on this puzzle is 7 (there are no 9's, so that similar looking number is a 6).

Solutions for both sides of the tiles are shown on the back.



Solution 1 – Numbers Raised on Tiles



Solution 2 – Numbers Flush or Recessed on Tiles