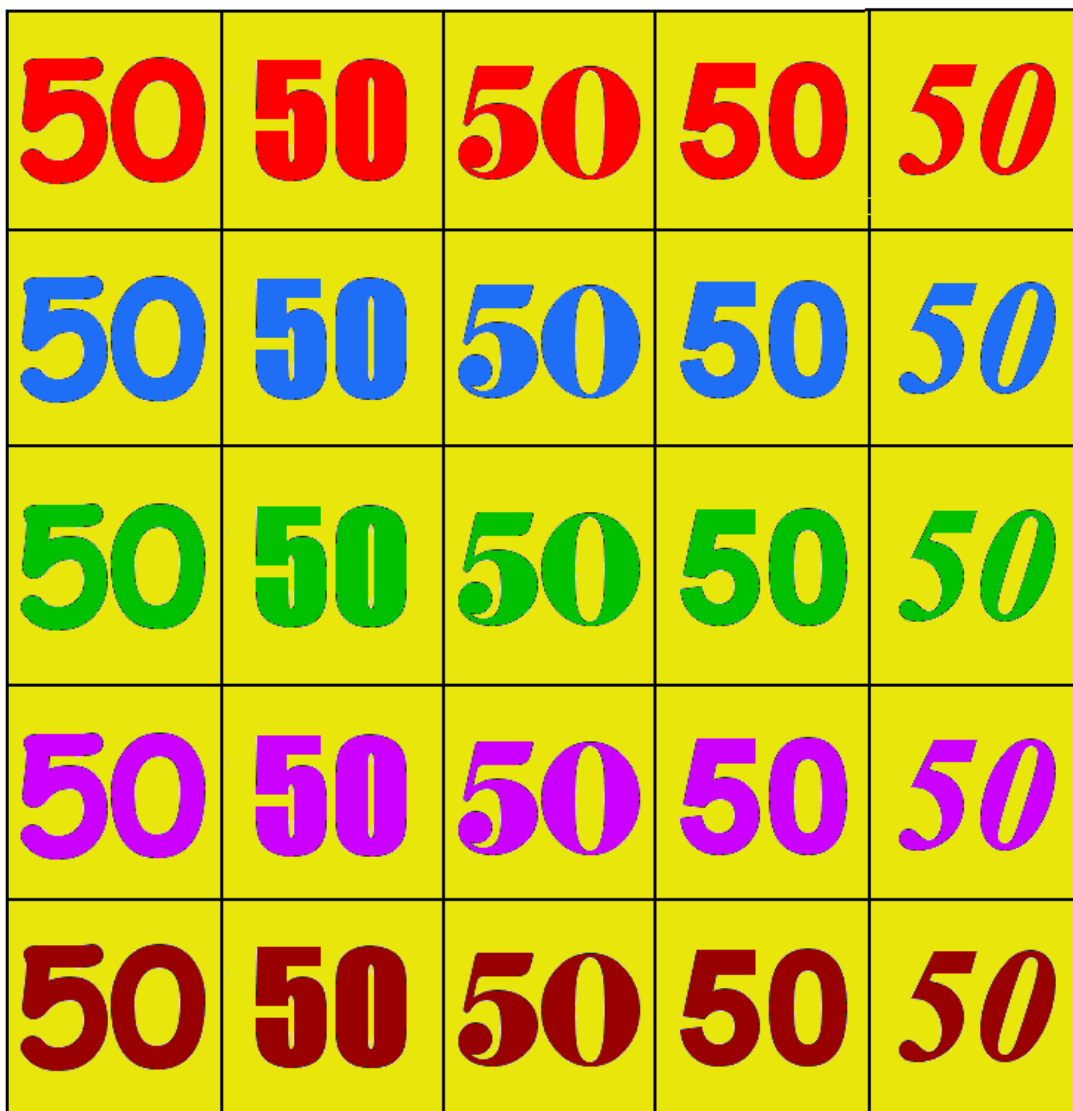


# The “50” 5x5 Challenge

A double Sudoku/Slide puzzle designed by Kate Jones  
for the 50<sup>th</sup> Annual Wyandotte Street Art Fair – July 2011

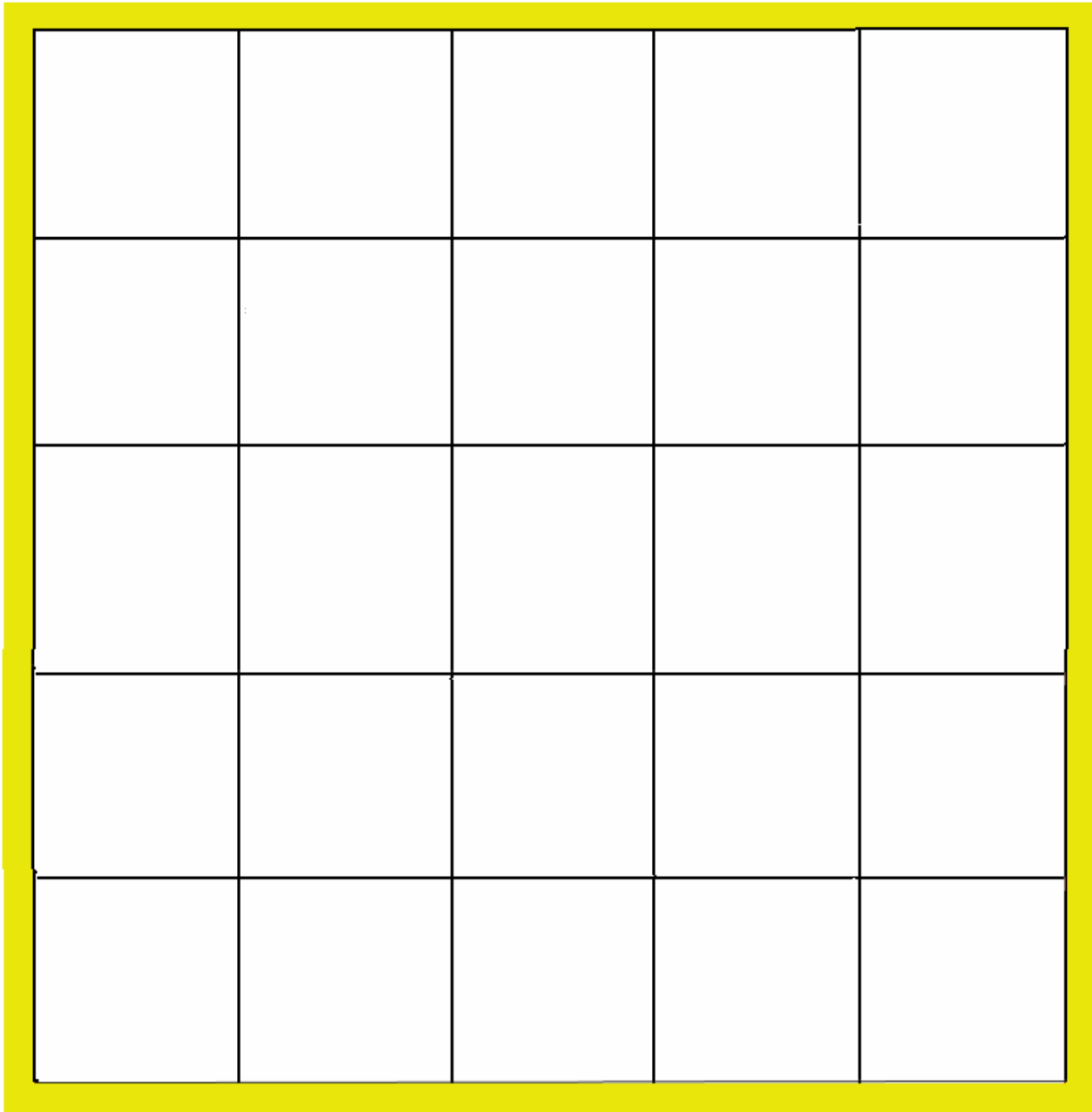


1. Cut out the 25 numbers shown above and place them into the 25 spaces of the grid on page 2. Arrange them to meet all these goals at the same time:
  - ◆ Each of 12 rows—5 horizontal, 5 vertical, and 2 diagonal (corner to corner)—contains the “50” in all five different type styles.
  - ◆ All 12 of those rows also have no two of the same *color* in any row.
  - ◆ For extra challenge, have no two of the same number style nor the same color in any of 25 rows, in any direction: horizontal, vertical or diagonal. There are 14 diagonals!

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**Kate Jones**

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**2. After you've found a solution to Challenge 1:**

- ◆ Remove any one number from your solution and set it aside. Now slide the numbers horizontally or vertically within the grid, one by one, into a neighboring empty space (no diagonal moves) until you've rearranged them into the order shown on page 1—so that all horizontal rows have a single color, and all vertical columns are the same type face. Leave the remaining space in the right spot to replace the number you took out.
- ◆ Scramble the 25 numbers any way you like on the grid, then find a sliding solution to restore them to the original order. Remove any one number at the start and replace it at the end.

***Happy 50th Street Art Fair, Wyandotte!***