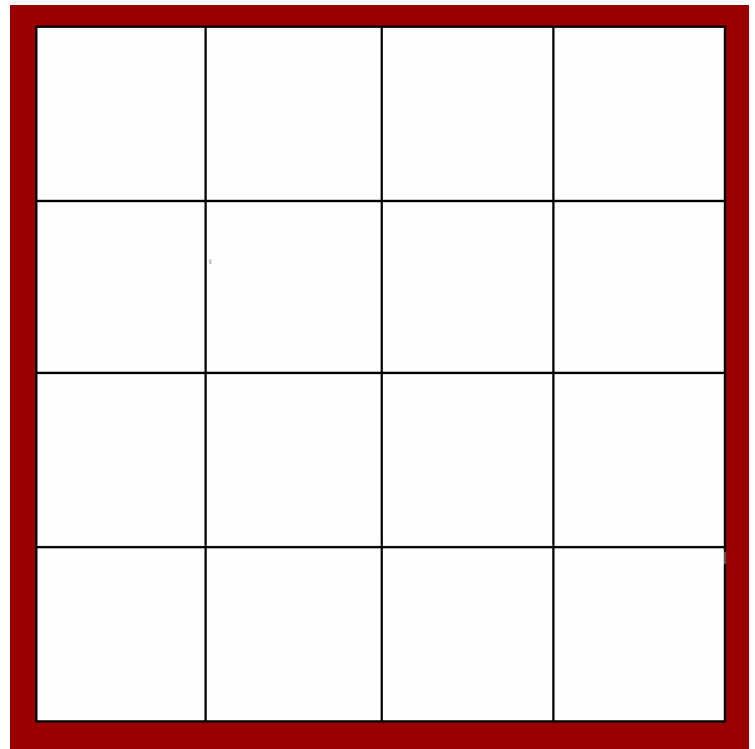


OHIO Sixteen

A double Sudoku/Slide puzzle designed by Kate Jones
for Cleveland art shows – November 2010



1. Cut out the 16 letters above and place them on the 16 spaces of the grid. Arrange them to meet all these goals at the same time:

- ◆ Each of 10 rows—4 horizontal, 4 vertical, and 2 diagonal (corner to corner)—contains all four letters of OHIO, in any order. Further, all 10 of those rows contain all four *colors* (no two of the same color in any row).
- ◆ Have no two letters of the same color touch sides. Corner contact is OK.
- ◆ Have seven 2x2 areas contain all 4 colors (areas may overlap); seven 2x2 areas contain all four letters of OHIO; and five 2x2's contain OHIO in all 4 colors.
- ◆ Send us your solution different from ours and win a prize.

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

- ◆ Remove any one "O" from your solution and set it aside. Now slide the letters on the grid one by one into a neighboring empty space (no diagonal moves) until you've rearranged them so that all horizontal rows spell OHIO in the correct order, and each row has a single color, leaving one space in the right spot to replace the "O" you've removed.
- ◆ Find a sliding solution from any scrambled position of the 16 letters on the grid; remove any one "O" at the start and replace it at the end.

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