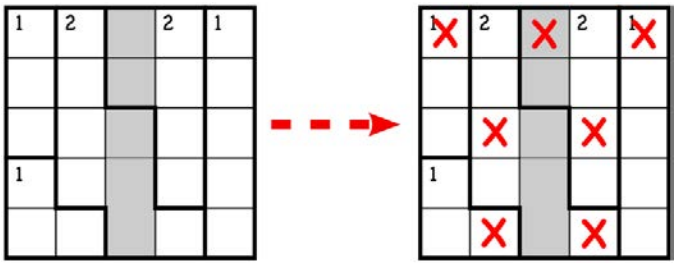
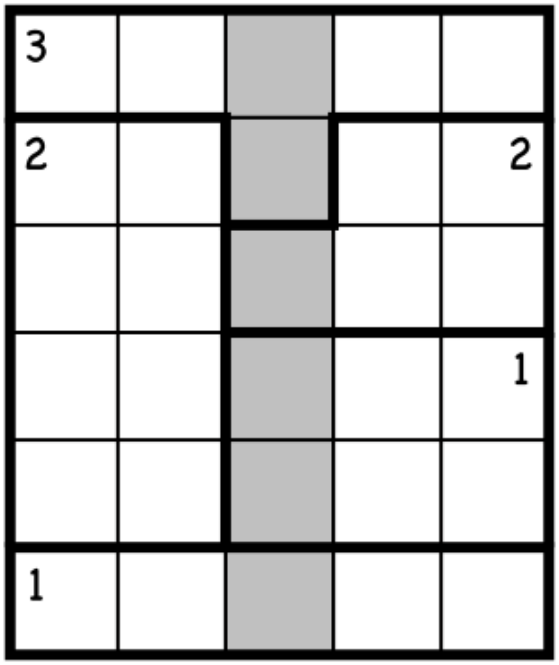
Puzzle of the Week
Reflect on This! – 1

This larger square is broken into regions with dark borders. Each region has a number that indicates how many X's it should have. Whether in the same region or not, no two X's may share a side or touch diagonally. Lastly, any X to the left of the gray column must be matched with its reflection, an X in the same position to the right of the gray column.



THE CHALLENGE: Solve this larger Reflect on This! puzzle.



EXPLORATION: Make some of these puzzles for others.

Puzzle of the Week
Reflect on This! – 1 – Notes

THE CHALLENGE & EXPLORATION: Start by looking at the two regions colored light blue. Because of symmetry, the only way the bottom blue region can have one X is if that X is in the middle square. The only way the top blue region can have three X's is if there are X's at the far right and left, and one X in the middle, in one of the two squares marked with a ?.

If the X is in the square with the lower of the two ?'s, then it is impossible to get two X's in the uncolored '2' region. So, the third X in the upper blue region must be in the upper square with a ?.

At this point, do the uncolored '2' region next, then the '1' region. Finally, the positions of the X's in the pink '2' region are both forced by symmetry.