

Instructions

Today's bonus puzzles are kropki X shape sudoku.

In each shape sudoku grid, fill each row, column, and dark-outlined shape with a one of each digit 1 to 9.

In addition to some given digits, three other clue types have been provided.

Each pair of cells with a shaded circle must contain a pair of digits where one is exactly 2x the other.

Each pair of cells with a hollow circle must contain a pair of consecutive digits.

Each pair of cells with an X must contain digits that sum to 10.

All possible clues are given in the puzzles. If a 1 and 2 are adjacent, either of the two circle types may have been used as the clue.

Thanks to Tyler Hinman and Nancy Backes for pointing out a few missing clues in my original posting of this puzzle sheet.

