

## Hybrid Sudoku ( X Sums + Greater Than )

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

Each number outside the grid is the sum of the first X numbers placed in the corresponding direction, where X is equal to the first number placed in that direction.



(Solution)

Digits have to be placed in accordance with the "greater than" signs.


Row sums (top): 28, 9, 38, 1, 12  
 Column sums (left): 31, 21, 5, 45, 39, 25  
 Column sums (right): 17, 21, 45, 1, 28, 42  
 Grid numbers: 2, 6, 1, 4  
 Greater than signs (>) are placed in the following cells: (1,3), (2,2), (2,3), (2,8), (3,1), (4,7), (5,5), (6,2), (6,4), (6,6), (7,1), (7,3), (7,5), (7,7), (8,2), (8,4), (8,6), (8,8).  
 Less than signs (<) are placed in the following cells: (2,7), (3,2), (4,8), (5,4), (6,5), (7,4), (7,6), (8,3), (8,5), (8,7).  
 Greater than or equal signs (>=) are placed in the following cells: (5,3), (6,7), (7,7), (8,3), (8,5), (8,7).

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