

Miles of Tiles

Level B

You work for a puzzle company and your job is to write the solutions to the puzzles that have been designed.

You have been assigned to determine the solution to the puzzle called Totaling Tiles. The puzzle provides 16 tiles, each with a different number written on the tile (1–16). It also provides a board with sixteen squares. The task is to arrange the tiles in the table so that each row, column, and diagonal adds to the same amount.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Explain how you found your solution.

Are there more possible arrangements that fit the conditions? If so, find others; if not, explain why you believe there is only one solution.

