

BALANCE QUEST

"Checkerboards"

by Whit McMahan

Balance Quest Checkerboard Puzzles are like jigsaw puzzles, but played with positive and negative numbers. They are designed for players who enjoy recreational math and logic puzzles like Sudoku.

		4		3		
2	-2					-6
8						-1
			0			
2		6		-4		
					-8	3
						5

Small Checkerboard Example

Puzzle Rules:

- Using simple addition, fill in each empty grey box, based on the sum of the numbers in the other grey boxes as described in the bottom section.
- The dark grey boxes contain the numbers from -8 to +8 (for small puzzles), or -16 to +16 (for large puzzles), except 0. The black boxes are empty.
- Leave no duplicate numbers in the light grey boxes (including 0), or in the dark grey boxes, but numbers may be repeated between them.

-6		4		3		-5
2	-2	-4		10	4	-6
8		-8		7		-1
			0			
2		6		-4		-2
-1	6	7		-11	-8	3
-3		1		-7		5

Small Checkerboard Example Solution

2	-2	-4
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-6
2
8

Let's break down the left-most upper quadrant of this small puzzle.

In the above example, -2 is composed of $2 + -4$.

In the example to the left, 2 is composed of $-6 + 8$.

Please see the website for additional type puzzles and book orders.

Happy puzzling!