

Killer sudoku 32: medium, with a sum table

31 cages · 4 given digits · rule of 45

Fill every square with a digit from 1 to 9 so that each row, column and 3x3 box holds every digit once. The small number in a dashed cage is the total of its squares, and no digit repeats inside a cage.

19		15		8	8			11
	2	11			8		12	
7	19			9	22			11
	5		15			5		
19	21			7	20			8
		10			13		16	
		6	13	11				
14	1				16	10		20
		12				1		

Sums that can be made in only one way

2 squares: $3 = 1+2$ · $4 = 1+3$ · $16 = 7+9$ · $17 = 8+9$

3 squares: $6 = 1+2+3$ · $7 = 1+2+4$ · $23 = 6+8+9$ · $24 = 7+8+9$

4 squares: $10 = 1+2+3+4$ · $11 = 1+2+3+5$ · $29 = 5+7+8+9$ · $30 = 6+7+8+9$

Killer sudoku 32: medium, with a sum table (solution)

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Fill every square with a digit from 1 to 9 so that each row, column and 3x3 box holds every digit once. The small number in a dashed cage is the total of its squares, and no digit repeats inside a cage.

¹⁹ 7	8	¹⁵ 6	9	⁸ 5	⁸ 4	3	1	¹¹ 2
4	2	¹¹ 5	6	3	⁸ 1	7	¹² 8	9
⁷ 1	¹⁹ 3	9	7	⁹ 2	²² 8	5	4	¹¹ 6
6	⁵ 4	1	¹⁵ 8	7	9	⁵ 2	3	5
¹⁹ 2	²¹ 7	3	4	⁷ 1	²⁰ 5	9	6	8
9	5	¹⁰ 8	2	6	¹³ 3	4	¹⁶ 7	1
8	9	⁶ 2	¹³ 1	¹¹ 4	7	6	5	3
¹⁴ 5	1	4	3	9	¹⁶ 6	¹⁰ 8	2	²⁰ 7
3	6	¹² 7	5	8	2	1	9	4

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