

WORLD SUDOKU CHAMPIONSHIP 2008

Sudoku Types for Play-Offs

Semifinals

1. Touchy Sudoku
2. Missing Digit Sudoku
3. Classic Sudoku
4. Diagonal Sudoku

Finals

1. Even Sudoku
2. Equation Sudoku
3. Quads Sudoku
4. Toroidal Sudoku

Classic finals

1. Classic Sudoku
2. Classic Sudoku
3. Classic Sudoku
4. Classic Sudoku

Toroidal Sudoku

Fill in the grid so that every row, every column and every outlined region contains digits 1 through 9. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

	2	7	1	9	8	6	5	
1	5						8	9
2								7
6			4	7	2			8
7			9		6			2
3			7	4	9			5
8								4
5	7						3	6
	8	6	5	3	7	4	2	

4	2	7	1	9	8	6	5	3
1	5	3	6	2	4	7	8	9
2	4	9	8	1	3	5	6	7
6	3	5	4	7	2	1	9	8
7	1	8	9	5	6	3	4	2
3	6	2	7	4	9	8	1	5
8	9	1	3	6	5	2	7	4
5	7	4	2	8	1	9	3	6
9	8	6	5	3	7	4	2	1

Missing Digit Sudoku

Fill the grid with digits from 0 through 9, so that every row, every column and every box contain distinct digits. The digit outside the grid next to a row or a column does not appear in the corresponding row or column.

							2	7	
	7	3	8	2			4	6	
	0	6	5	3					
	9	8	2	1					
	3	5	7	4	9	2	6		
				8	5	1	3		
				9	8	6	7		
	3	6		7	2	8	0		
	7	8							

	6	1	2	6	5					
	8	5	4	9	6	1	0	2	7	3
	9	7	3	8	2	0	5	4	6	1
	2	0	6	5	3	4	9	8	1	7
	0	9	8	2	1	3	7	5	4	6
8	1	3	5	7	4	9	2	6	0	8
6	4	2	7	0	8	5	1	3	9	
2	5	4	0	1	9	8	6	7	3	
9	3	6	1	4	7	2	8	0	5	
5	7	8	9	3	0	6	4	1	2	
				5	7	3	9	8		

Touchy Sudoku

Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. Each digit has at least one consecutive adjacent (sharing edges) neighbor.

		4				2		
			5		8			
5		9				7		6
	2						7	
	6						2	
8		5				4		3
			8		1			
		2				9		

1	3	4	7	6	9	2	5	8
2	7	6	5	3	8	1	4	9
5	8	9	1	2	4	7	3	6
4	2	1	9	8	3	6	7	5
3	5	7	2	1	6	8	9	4
9	6	8	4	5	7	3	2	1
8	9	5	6	7	2	4	1	3
7	4	3	8	9	1	5	6	2
6	1	2	3	4	5	9	8	7

Equation Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Every letter represents a different digit. The sum of the digits represented by the letters given in each row and column equals to the number given at the corresponding edge.

B				J		C	E	D	27
G				H			J	A	20
			D	A	C			G	17
H		B							6
			B	G	D				6
		E				G		B	9
	F				J				16
C	B		A	E				H	24
A				B				J	14

20 8 7 8 27 20 10 15 24

1	5	4	7	9	2	8	6	3	27
2	8	3	6	5	1	7	9	4	20
9	6	7	3	4	8	5	1	2	17
5	2	1	9	8	6	4	3	7	6
7	4	8	1	2	3	9	5	6	6
3	9	6	5	7	4	2	8	1	9
6	7	5	2	3	9	1	4	8	16
8	1	9	4	6	7	3	2	5	24
4	3	2	8	1	5	6	7	9	14

20 8 7 8 27 20 10 15 24

Quads Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The 9 marked 2X2 boxes must contain the following quad of digits [1-2-3-4] [2-3-4-5] [3-4-5-6] [4-5-6-7] [5-6-7-8] [6-7-8-9] [7-8-9-1] [8-9-1-2] [9-1-2-3].

All the quads must be used exactly once.

	2			6			9	
1	4		7	9		2	3	
					2			
	6			3			1	
8	7		4	5		9	2	
		4			1			5
	8			4			5	
9	1		5	7		4	6	
					3			

3	2	5	8	6	4	1	9	7
1	4	8	7	9	5	2	3	6
6	9	7	3	1	2	5	4	8
5	6	9	2	3	7	8	1	4
8	7	1	4	5	6	9	2	3
2	3	4	9	8	1	6	7	5
7	8	2	6	4	9	3	5	1
9	1	3	5	7	8	4	6	2
4	5	6	1	2	3	7	8	9