#### 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.

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



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#### **Quad Sums Sudoku**

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.

One of the numbers in the four cells around a dot is the num of the other three numbers.



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

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# Non XV sudoku

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.

The digits in two orthogonally adjacent cells cannot have a sum of either 5 or 10.



(Solution
-----------

8			5			2	
			8			9	
7			4			5	
		8				4	
1							8
	4				1		
	8			7			2
	7			9			
	1			5			9

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# Multi Diagonal Sudoku

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.

Digits do not repeat along the marked diagonals.



(Solution)



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# Multi Diagonal Sudoku

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.

Digits do not repeat along the marked diagonals.



(Solution)



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The diagram is a toroid; some of the 3×3 regions don't end at the right (lower) edge of the diagram but continue at the left (upper) edge of the diagram.





19-December-2020

Newdoku ( https://newdoku.com )

Sudoku Puzzle ( https://www.sudokupuzzle.org )

#### **Creasing Sudoku**

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.

Digits along each line are monotonically increasing or decreasing.



8 3 8 1 4 1 4 3 6 6 4

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#### **Battenburg Sudoku**

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.

Everywhere 2 odd and 2 even digits form a 2x2 checkerboard pattern, a Battenburg marking is given. A checkerboard pattern is a 2x2 area of cells where the top-left and bottom-right cells are of one type and the top-right and bottom-left cells are of another type. All possible dots are marked.

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

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#### Hybrid Sudoku ( X Sums + Consecutive )

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.

There are some dots between cells. The numbers on each side of a dot must always be consecutive. All possible dots are marked.



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### Eliminate Sudoku

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.

The number in a cell with an arrow must not be repeated in a cell the arrow points to.



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#### Kropki Sudoku

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.

If absolute difference between two digits in neighbouring cells equals 1, then they are separated by a white dot. If the digit is a half of digit in the neighbouring cell, then they are separated by black dot. The dot between 1 and 2 can be either white or black.



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## **Creasing Sudoku**

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.

Digits along each line are monotonically increasing or decreasing.





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#### **Point To Next Sudoku**

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.

If digit 'n' is placed in a cell with an arrow, digit 'n+1' must be placed in one of the cells pointed by the arrow.



(Solution)

2	5			9		6		
1				1				9
			¢		1			
		ſ	9	3		1		
	t						-	
7	3	Ļ		4		1		
	1				ţ		6	
		2		Ļ				
						8	3	

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# Odd Even Sudoku

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.

Cells with shaded squares contain even digits. Cells with shaded circles contain odd digits.





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#### **Color Sudoku**

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.

Apply Classic Sudoku rules. Within each coloured region each digit must appear exactly once.



(Solution

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

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# Makodoku

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.

A cross between two cells indicates that the product of the numbers in these cells is less than 10. A plus between two cells indicates that the sum of the numbers in these cells is less than 10. If the sum and product are less than 10, then there is a cross between these cells. If there is no sign between two cells, then both sum and product are at least 10.



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#### X Sums Sudoku

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.





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# Multi Diagonal Sudoku

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.

Digits do not repeat along the marked diagonals.



(Solution)



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#### Hybrid Sudoku ( Consecutive Pairs + Sum Frame )

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.

There are some dots between cells. The numbers on each side of a dot must always be consecutive. Not all possible dots are marked.



Digits outside the grid indicate the sum of the first 3 digits in the corresponding direction.



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#### **Exclude Sudoku**

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.

Numbers in the red circle are not allowed appears in four squares which is nearby the intersection of row and column red circles.





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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.



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

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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.



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

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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.



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

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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.



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

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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.



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

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

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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.



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

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

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

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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.



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

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

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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.



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

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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.



19 X 19 E
(Solution)

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

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