

1 Creasing Sudoku

Points:

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 the squares with the grey line must be in the increasing or decreasing order but not necessarily in arithmetical series. **20 points**

				5	3			8
			2					

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

				8				
				4				
						5		
			5					

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2 Ratio

Points:

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 special clue-numbers are fractions or ratios in the lowest terms. The clue-numbers are always placed on the border lines between selected pairs of neighbouring cells of the grid. **10 points**

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

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

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

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3 No Touch

Points:

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 same digits can not touch each other, not even diagonally. **15 points**

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

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

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

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4 Odd

Points:

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 grey squares must contain odd digits.

15 points

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

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

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

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5 Many Times Times

Points:

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 top parts of certain squares are the products of the digits in all the squares horizontally and vertically adjacent to the square. **20 points**

20				30				
		324						
96				405			9	
180								
				600		26		
		2835						
4								

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

56	12			30				16
	126							
							36	
	336						1440	
96								
	72			560			504	
18		42						
	21	96			486		126	

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6 12 x 12

Points:

Place a digit from 1 to 12 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the twelve outlined 4x3 regions. **30 points**

	11	1				8	12				
		7		3	8			6			
	4			12	11					7	
9		5	11				12	4			10
			12	3			10	5			
					4	2					
					5	7					
				7	8		2	10			
11	1	10					4	7		8	
	10			6	12					3	
		4		2	3			12			
	5	6				1		11			

2	11	6	1	4	10	5	7	8	9	12	3
10	12	7	5	2	3	8	9	11	6	4	1
8	4	9	3	6	12	11	1	2	10	7	5
9	3	5	11	7	8	1	6	12	4	2	10
4	7	2	12	3	11	9	10	5	1	8	6
6	1	10	8	5	4	2	12	7	3	9	11
12	6	8	4	10	5	7	11	3	2	1	9
5	9	3	7	8	1	4	2	10	11	6	12
11	2	1	10	12	9	6	3	4	7	5	8
7	10	11	2	1	6	12	8	9	5	3	4
1	8	4	9	11	2	3	5	6	12	10	7
3	5	12	6	9	7	10	4	1	8	11	2

	8		4					11		5	
2		6		1			9		8		3
	1				5	8				9	
8				11			4				5
	9		11					12		2	
		12			10	7			9		
		7			4	5			6		
	2		8					7		3	
3				12			6				4
	7				9	10				12	
4		11		3			12		10		7
	12		2					9		4	

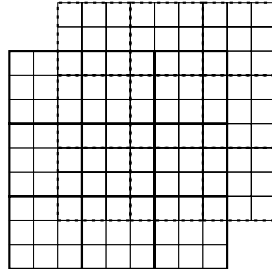
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7 Dual Doku

Points:

The big grid consists of two partially overlapped 9x9 sub-grids. Fill in the whole grid with numbers 1 through 9 (one number per cell) so that in both 9x9 sub-grids each horizontal line, each vertical line and each of their respective nine 3x3 squares must contain all the nine different numbers 1 through 9.

20 points



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

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