

Squiggly Sudoku Puzzle for 02/03/19

Original

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

To solve this puzzle, place the numbers 1 through 9 exactly once in each Row, Column and 9 block Shape.

I will show you step by step how I solved this puzzle. The numbers in black are the original puzzle. Each step is marked in red. The blue numbers are what has gone before.

Using three basic rules we complete the puzzle.

Rule #1

Each numeral must appear once in each Row.

Rule #2

Each numeral must appear once in each Column.

Rule #3

Each numeral must appear once in each Shape.

A number appears once in each Shape and Column. Place the 7 in Column 7.

Step 1

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

Using the same Rules place the 7 in Row 7.

Step 2

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

The 8 in Column 3 can only fit in Row 9.

Step 3

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

Examining this Shape , the 9 is forced to the left and the 2 to the right.

Step 4

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

Place the 2 in Row 6. It fits but one place.

Step 5

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

The 2 in this shape is obvious.

Step 6

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

Place the remaining 2s starting at the bottom

Step 7

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

Place the 4 in Row 5. Then the 8.

Step 8

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

The 8 in Column 1 goes one place. Now the same is true in Column 5.

Step 9

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

Check Row 4, every Shape has a 4 but one.

Step 10

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

Find the 9 the same way in Row 6

Step 11

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

Looking for the 4 in Column 1 you will find it goes one place. And the 9 in Column 4

Step 12

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

Column 5, we have located your 9.

Step 13

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

Time to put in the last 9s.

Step 14

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

The numbers 1 and 5 will finish the shape and the bottom row.

Step 16

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

In the bottom Row, the 3 goes here.

Step 15

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

Complete Column 6 then Row 1 and Column 4.

Step 17

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

The 1 in Row 5 and the rest of Column 8

Step 18

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

Fill in Column 9, -1, 3, 5 and 8-, start at the top.

Step 19

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

In this Shape, place the 7, finish Column 2 then Column 1.

Step 20

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

Row by row, starting at the top, finish the puzzle.

Step 21

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