Helpful Sudoku

Puzzle 10 of 10 | X Sudoku

Hard | 21 clues | Clues without candidates

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

https://helpful-sudoku.com

Every row, column and 3 x 3 box contains 1-9 once. Both diagonals do too.

Notes:

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.

Helpful Sudoku

Puzzle 10 of 10 | X Sudoku

Hard | 21 clues | Clues + candidates

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

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Candidates show legal possibilities in the starting grid. Cross them out as you solve.

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.

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Puzzle 10 of 10 | X Sudoku

Hard | 21 clues | Solution

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

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Every row, column and 3 x 3 box contains 1-9 once. Both diagonals do too.

Original clues are bold. Other digits complete the solution.

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.