

Sudoku Déjà Vu

Hosted by Logic Masters India
October 2018

*Puzzles set by David McNeill
Tested by Rakesh Rai*

Thank you for opening the instruction booklet for Sudoku Déjà Vu. I hope you will have a go at this unusual competition. You will need more than Sudoku solving skills but I'll let the instruction booklet speak for itself.

Details

- The test will last for 90 minutes
- The competition booklet will have 10 pages, each with a single puzzle
- Each puzzle has 2 marked rows for solution entry
- When submitting solutions, enter the digits in the marked rows in order
- Instant grading will be used
- On-line solving is available
- The puzzle points are shown in the table below
- Solvers who complete all puzzles correctly within the time can claim 1 bonus point for every full minute saved

Points Table		
Puzzle		Points
1	Classic	3
2	Classic	6
3	Diagonal	10
4	Anti-Knight	11
5	No Four in a Grow	11
6	Déjà Vu	9
7	Déjà Vu	10
8	Déjà Vu	12
9	Déjà Vu	14
10	Déjà Vu	14
Total Points		100

I hope you enjoy the adventure. Good luck.

Classic Example

Complete the grid so that each row, column and 3x3 box contains the digits 1-9.

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

Diagonal Example

Complete the grid so that each row, column and 3x3 box contains the digits 1-9. In addition, each of the marked diagonals must also contain the digits 1-9.

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

Anti-Knight Example

Complete the grid so that each row, column and 3x3 box contains the digits 1-9. In addition, no digit can be a knight's move away from an identical digit.

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

Déjà Vu Example

Complete the grid so that each row, column and 3x3 box contains the digits 1-9. The contents of the shaded cells must obey additional constraints already exhibited in an earlier puzzle in this booklet.

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

Sudoku Déjà Vu: Instruction Booklet Solutions

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

Classic

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

No Four in a Grow

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

Diagonal

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

Déjà Vu

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

Anti-Knight

The extra constraint in the Déjà Vu puzzle had already been seen in the Diagonal Example, where **the given digits** formed six 3-digit square numbers. The shaded squares in the Déjà Vu puzzle were in exactly the same arrangement and, therefore, had to be filled so as to form six 3-digit square numbers.

Just for fun, solvers might like to spot the constraints in the Classic, Anti-Knight and No Four in a Grow examples if they haven't already done so. **The constraints are exhibited by the given digits and might be easier to spot before solving the puzzles.**