

Example Sudoku Puzzles

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A Sudoku puzzle consists of a 9 by 9 array of squares, some of which have numbers in them, the numbers ranging from 1 through 9. The problem is to fill in all the squares such that each row, column, and 3 by 3 box includes the numbers 1 through 9 with no repetitions.

This is a collection of some 54 Sudoku puzzles which I have culled from various places. The sources include, among others: the *Sudoku Solver* [SSBL] website (labelled SE, SM, SH and SVH), *The Daily Telegraph* [Mep05] (labelled TG, TM, and TT), *The Seattle Times* (labelled ST), and some automatically generated by the `createsudoku` package [Wil06] (labelled CS).

You can try solving them yourself and/or get LaTeX to do it for you. The `solvesudoku` package [Wil06] is able to solve most, but not all of the puzzles. Other LaTeX packages may do better or worse.

The puzzles are presented in approximately increasing order of difficulty. Each source, though, has its own set of categories which don't necessarily agree with each other (and sometimes not within one source). I have included an indication of the difficulty as stated by the relevant source.

The parameters for the puzzles created via `createsudoku` are given in the table.

Number	Seed	initialelimination
CS1	1505263462	<code>\elimcrossandexandnines</code>
CS2	1495929734	<code>\elimcrossandex</code>
CS3	1487762722	<code>\elimcrossandexandnines</code>
CS4	1508763610	<code>\elimcrossandex</code>
CS5	839068723	<code>\elimseventeen</code>
CS6	833235143	<code>\elimcrossandexandnines</code>

SE5 (easy)

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

SE10 (easy)

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

SE15 (easy)

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

