

INDIAN SUDOKU CHAMPIONSHIP 2010

ONLINE ROUNDS 3rd & 9th January 2010

First Online Round – 3rd January 2010

14:00 - 14:45 Classic Sudoku

15:00 - 15:45 Basic variants

16:00 - 16:45 Mixed Bag

Second Online Round – 9th January 2010

10:00 - 10:45 Classic Sudoku

11:00 - 11:45 Basic variants

12:00 - 12:45 Mixed Bag

INSTRUCTION BOOKLET

Points Distribution

The tables below indicate the points awarded for correctly solving the sudokus which will appear in the online rounds of ISC 2010. The points are applicable for all rounds on both the days of the event. Points are generally indicative of the difficulty of the sudoku and time required to solve it. However your personal experience and preference might be different.

Part 1 : Classics (600 points)	
No. of Sudokus solved	Points
1	70
2	120
3	165
4	210
5	250
6	290
7	330
8	370
9	405
10	440
11	475
12	510
13	540
14	570
15	600

Part 2 : Basic Variants (700 points)	
Odd/Even	65
Sudoku XV	120
Diagonal	110
Consecutive	165
Irregular	130
Frame	110

Part 3 : Mixed Bag (700 points)	
Group Sum	180
Toroidal	180
No Knight Step	115
Outside	75
Quadraple	75
Magic Square Sudoku	75

Round 1
Classic Sudoku (45 minutes)
600 points

This part will consist of 15 classic sudokus, with a range of difficulties from very easy to difficult. Points will be scored according to the number of sudokus solved in this round as indicated in the points table.

Classic Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

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

Round 2
Standard Variations (45 minutes)
700 points

Odd/Even Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

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

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

Sudoku XV

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X. The cells edges which do not contain an X or a V cannot have digits summing to 5 or 10.

			6	X	V			
		X		V				X
5		X		X				6
			V	V	X			
X	V	X	V					V
			X					
2	X			X	X	X		4
	X	V						
		X		5	X	X		

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

Diagonal Sudoku

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

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

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

Consecutive Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars. Cells which are not separated by white bars cannot contain consecutive digits.

	1			9			2	
		5					7	
1								5
		4					9	
	5			7				1

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

Irregular Sudoku

Fill in the grid so that every row, every column and every outlined region of nine cells contains the digits 1 through 9.

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

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

Frame Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers outside the grid represent the sum of first 3 digits inside the grid in the corresponding direction.

1									8
4									3

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

Round 3
Mixed Bag (45 minutes)
700 points

Group Sum Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.

23			15	18				29
	25		22	30				13
		24			25			
11	17		30	26			14	17
23	25		18	15			12	21
		21			20			
	11		23	19				29
25			18	19				16

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

Toroidal

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

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

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

Quadraple Sudoku

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Some intersections list the digits from the four adjacent cells.

			1469					
	3567		6789					
1356		1367		4578				
	1378		3456		4689			
		1389			4589			
3469			1278				2357	
		2458		1468				
							3789	

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

Magic Square Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The cells marked in grey form a perfect magic square. In a perfect magic square the sum of digits every row, every column and every diagonal is same.

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

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

Classic Sudoku - 1
 Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku - 2
 Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

→

→

Classic Sudoku - 3

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

→

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

Classic Sudoku - 4

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

→

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



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

Classic Sudoku - 5

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 6

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



Classic Sudoku - 7

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku – 8

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

→

→



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



Classic Sudoku – 9

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku – 10

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Classic Sudoku - 11

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

Classic Sudoku - 12

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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



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



Classic Sudoku - 13

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

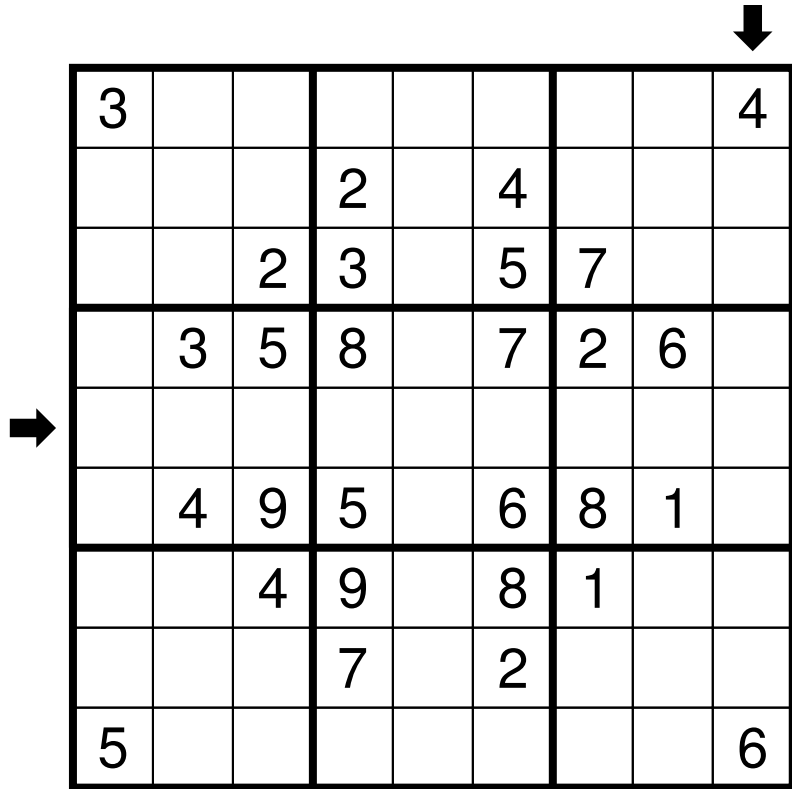


Classic Sudoku - 14

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Classic Sudoku - 15

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

INDIAN SUDOKU CHAMPIONSHIP 2010

1st ONLINE ROUND 3rd January 2010

PART 1: Classics

Part 1 : Classics (600 points)	
No. of Sudokus solved	Points
1	70
2	120
3	165
4	210
5	250
6	290
7	330
8	370
9	405
10	440
11	475
12	510
13	540
14	570
15	600

Classic Sudoku - 1

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku - 2

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

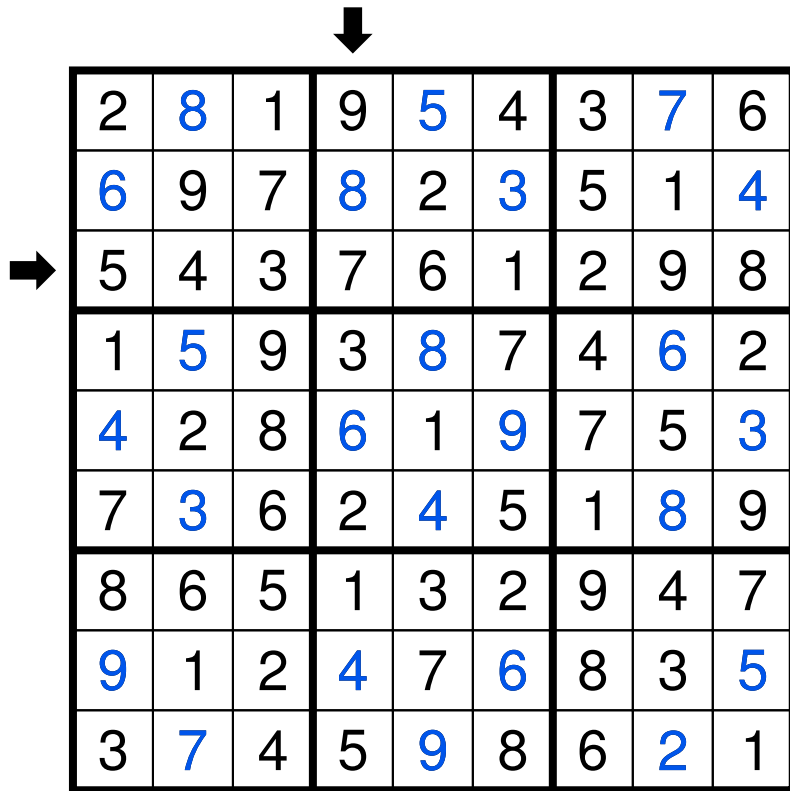
→

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

→

Classic Sudoku - 3

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



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



Classic Sudoku - 4

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 5

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 6

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 7

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Classic Sudoku – 8

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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




Classic Sudoku – 9

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku – 10



Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 11

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 12

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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



Classic Sudoku - 13

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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



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



Classic Sudoku - 14

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 15

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Magic Square Sudoku

75 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The cells marked in grey form a perfect magic square. In a perfect magic square the sum of digits every row, every column and every diagonal is same.

↓

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

↓

No Knight Step Sudoku

115 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

↓

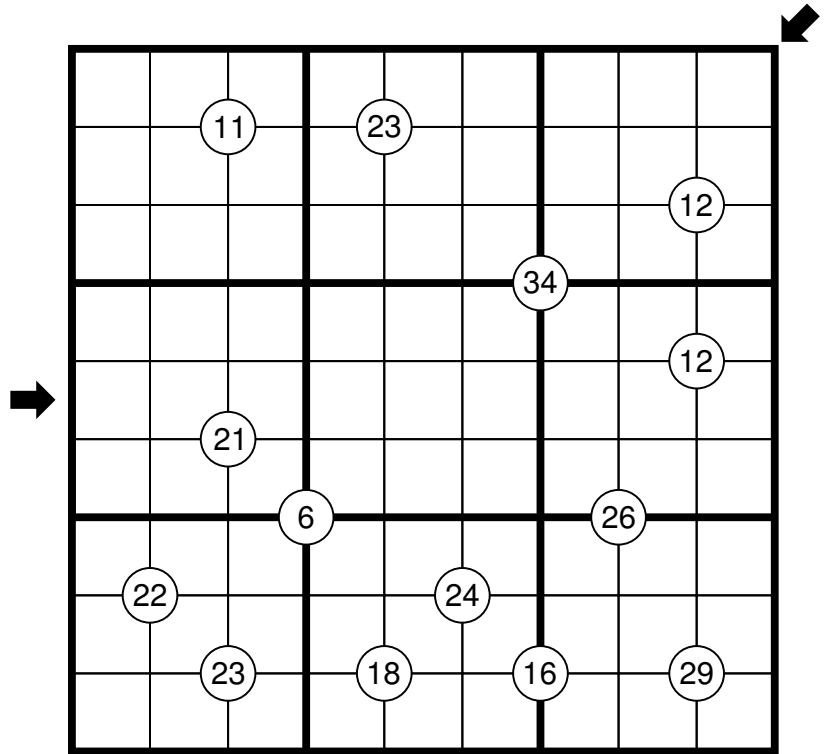
				3		6		
					5			
9		4		2		7		
	4							
7		5				9		2
							1	
		9		7		2		3
			3					
		3		9				

↓

Group Sum Sudoku

180 points

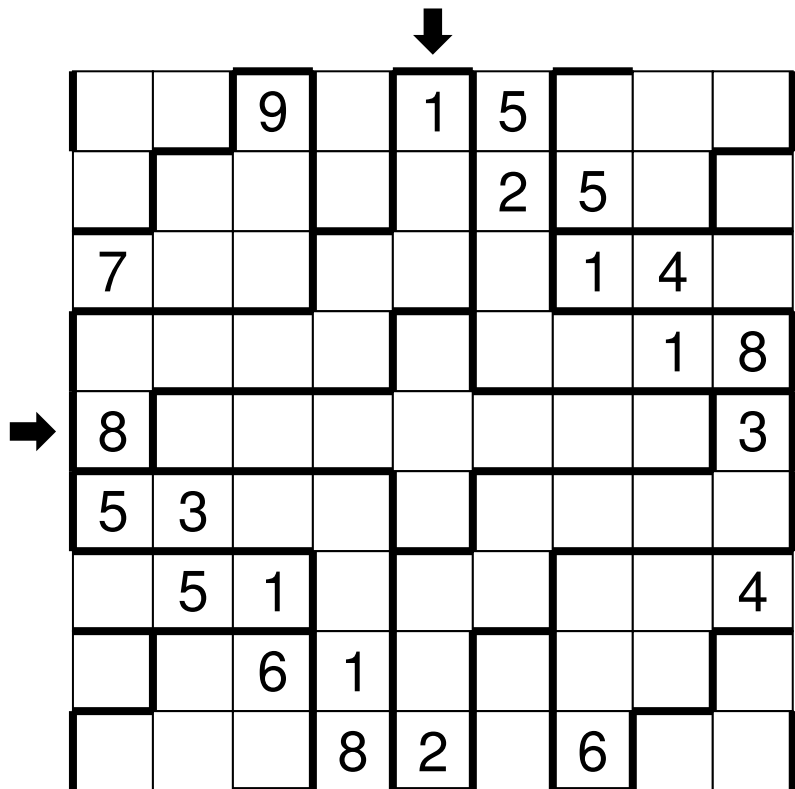
Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.



Toroidal

180 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.



INDIAN SUDOKU CHAMPIONSHIP 2010

1st ONLINE ROUND 3rd January 2010

PART 3: Mixed Bag

Part 3 : Mixed Bag (700 points)	
Outside	75
Quadruple	75
Magic Square Sudoku	75
No Knight Step	115
Group Sum	180
Toroidal	180

Outside Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Outside digits must be inserted in the first 3 cells of the corresponding row or column.

↓

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

Quadraple Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Some intersections list the digits from the four adjacent cells.

↓

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

Magic Square Sudoku

75 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The cells marked in grey form a perfect magic square. In a perfect magic square the sum of digits every row, every column and every diagonal is same.

↓

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

→

No Knight Step Sudoku

115 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

↓

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

→

Group Sum Sudoku

180 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.

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

Toroidal

180 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

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

Odd/Even Sudoku

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

↓

→

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

Diagonal Sudoku

110 points

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

↓

→

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

Frame Sudoku

110 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers outside the grid represent the sum of first 3 digits inside the grid in the corresponding direction.

↓

	14	18	13	19	16	10	20	13	12	
7										22
21			5							12
17								4		11
15										14
11										21
19										10
18		5								8
20							6			15
7										22
	16	12	17	20	12	13	18	11	16	

↓

Sudoku XV

120 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X.

↓

	1					x	7
					x		v
	x						
v		x			x	x	
	x				x		v
		x					
	x		x			x	v
		x			x		
				v			
6	x		x		v		5

↓

Irregular Sudoku

130 points

Fill in the grid so that every row, every column and every outlined region of nine cells contains the digits 1 through 9.

↓

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

→

Consecutive Sudoku

180 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars.

↓

				1				
5								2
				2				

→

INDIAN SUDOKU CHAMPIONSHIP 2010

1st ONLINE ROUND 3rd January 2010

PART 2: Standard Variations

Part 2 : Standard Variations (700 points)	
Odd/Even	65
Diagonal	110
Frame	110
Sudoku XV	120
Irregular	130
Consecutive	165

Odd/Even Sudoku

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

↓

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

Diagonal Sudoku

110 points

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

↓

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

Frame Sudoku

110 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers outside the grid represent the sum of first 3 digits inside the grid in the corresponding direction.

				↓						
	14	18	13	19	16	10	20	13	12	
7	4	1	2	8	5	3	7	6	9	22
21	7	9	5	4	2	6	8	3	1	12
17	3	8	6	7	9	1	5	4	2	11
15	5	2	8	3	4	9	1	7	6	14
11	1	7	3	2	6	5	4	9	8	21
19	9	6	4	1	7	8	2	5	3	10
18	6	5	7	9	8	2	3	1	4	8
20	8	3	9	5	1	4	6	2	7	15
7	2	4	1	6	3	7	9	8	5	22
	16	12	17	20	12	13	18	11	16	

Sudoku XV

120 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X. The cells edges which do not contain an X or a V cannot have digits summing to 5 or 10.

	1	6	5	3	9	4	8 ^x	2	7
	7	9	3	6	2 ^x	8	5	4 ^v	1
11	2 ^x	8	4	5	1	7	9	3	6
	3	5	6 ^x	4	8 ^x	2	1	7	9
	9 ^x	1	2	7	5	3	6	8	4
	4	7	8	1	6	9	3	5	2
	8 ^x	2	1 ^x	9	7	5	4 ^x	6	3 ^v
	5	4	9	2 ^v	3	6	7	1	8
	6	3 ^x	7	8	4 ^v	1	2	9 ^x	5

Irregular Sudoku

130 points

Fill in the grid so that every row, every column and every outlined region of nine cells contains the digits 1 through 9.

↓

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

→

Consecutive Sudoku

165 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars. Cells which are not separated by white bars cannot contain consecutive digits.

↓

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

→



Classic Sudoku - 1

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 2

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 3

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku - 4

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

→

→

Classic Sudoku - 5

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 6

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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



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

Classic Sudoku - 7

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku – 8

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Classic Sudoku – 9

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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




Classic Sudoku – 10

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.


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

Classic Sudoku - 11

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.





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



Classic Sudoku - 12

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 13

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 14

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 15

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

INDIAN SUDOKU CHAMPIONSHIP 2010

1st ONLINE ROUND 3rd January 2010

PART 1: Classics

Part 1 : Classics (600 points)	
No. of Sudokus solved	Points
1	70
2	120
3	165
4	210
5	250
6	290
7	330
8	370
9	405
10	440
11	475
12	510
13	540
14	570
15	600

Classic Sudoku - 1

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku - 2

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

→

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

→



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

Classic Sudoku - 3

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 4

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 5

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 6

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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



Classic Sudoku - 7

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

Classic Sudoku – 8

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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




Classic Sudoku – 9

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku – 10



Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 11

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.



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

Classic Sudoku - 12

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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



Classic Sudoku - 13

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

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

Classic Sudoku - 14

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

Classic Sudoku - 15

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9.

↓

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

→

↓

INDIAN SUDOKU CHAMPIONSHIP 2010

2nd ONLINE ROUND 9th January 2010

PART 3: Mixed Bag

Part 3 : Mixed Bag (700 points)	
Outside	75
Quadruple	75
Magic Square Sudoku	75
No Knight Step	115
Group Sum	180
Toroidal	180

Outside Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Outside digits must be inserted in the first 3 cells of the corresponding row or column.

↓

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

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

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

Quadruple Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Some intersections list the digits from the four adjacent cells.

↓

→												
		2589						1345				
			2356									
		1357						6688				
			2457			3489						
				3377			2599		1569			
			3468			1279				1568		

Magic Square Sudoku

75 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The cells marked in grey form a perfect magic square. In a perfect magic square the sum of digits every row, every column and every diagonal is same.

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



No Knight Step Sudoku

115 points

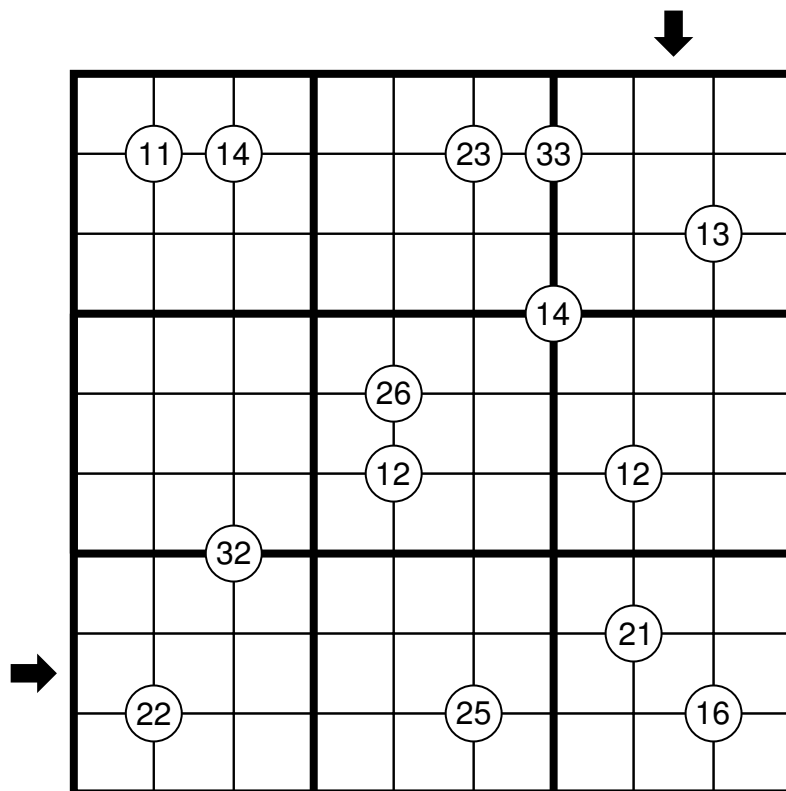
Fill in the grid with digits from 1 through 9 so that every row, every column and every outlined region contains distinct digits. No cell that is a knight-step away can contain the same digit.

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

Group Sum Sudoku

180 points

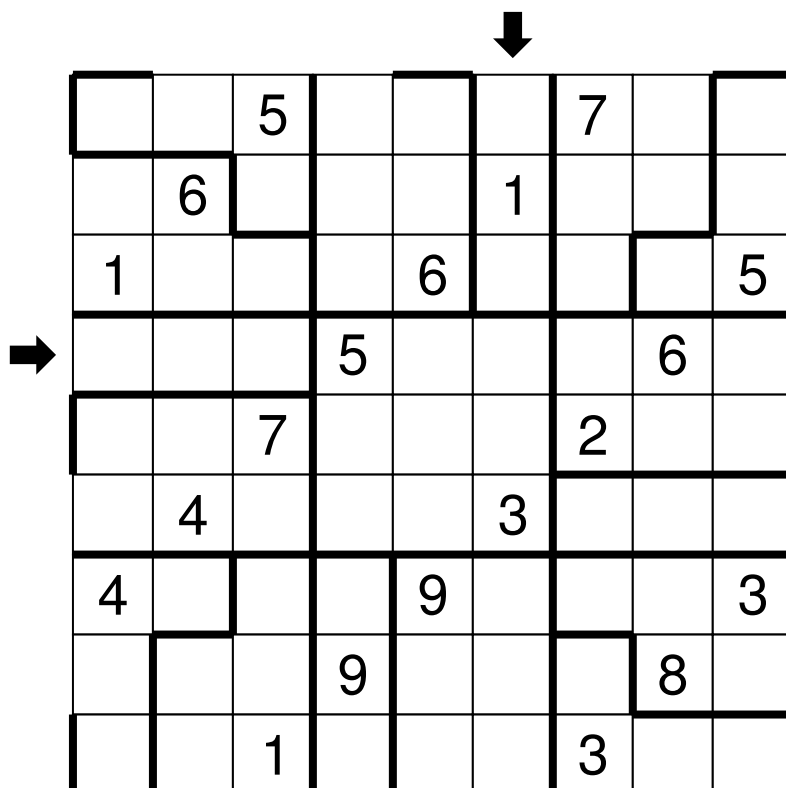
Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.



Toroidal

180 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.



Outside Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Outside digits must be inserted in the first 3 cells of the corresponding row or column.

↓

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

Quadraple Sudoku

75 points

Fill in the grid so that every row, every column and the 3x3 boxes contain the digits 1 through 9. Some intersections list the digits from the four adjacent cells.

↓

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

Magic Square Sudoku

75 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The cells marked in grey form a perfect magic square. In a perfect magic square the sum of digits every row, every column and every diagonal is same.

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

No Knight Step Sudoku

115 points

Fill in the grid with digits from 1 through 9 so that every row, every column and every outlined region contains distinct digits. No cell that is a knight-step away can contain the same digit.

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

Group Sum Sudoku

180 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers in each circle indicates the sum of the digits in the cells covered by the corresponding circle.

↓

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

→

Toroidal

180 points

Fill in the grid with digits from 1 through 8 so that every row, every column and every outlined region contains distinct digits. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

↓

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

→

INDIAN SUDOKU CHAMPIONSHIP 2010

2nd ONLINE ROUND 9th January 2010

PART 2: Standard Variations

Part 2 : Standard Variations (700 points)	
Odd/Even	65
Diagonal	110
Frame	110
Sudoku XV	120
Irregular	130
Consecutive	165

Odd/Even Sudoku

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

↓

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

↓

Diagonal Sudoku

110 points

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

↓

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

↓

Frame Sudoku

110 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers outside the grid represent the sum of first 3 digits inside the grid in the corresponding direction.

↓

	14	16	15	12	16	17	15	15	15	
23						2				10
9										24
13										11
→ 19										13
17	8								9	13
9										19
9										16
15										17
21				9						12
	14	10	21	22	13	10	21	17	7	

Sudoku XV

120 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X. The cells edges which do not contain an X or a V cannot have digits summing to 5 or 10.

↓

	4					V		1
			X				X	
→			X					X
			V		X			
		X		4				X
			X		X			X
			X			X		
	X	X					V	X
	7						X	
			V					5

Irregular Sudoku

130 points

Fill in the grid so that every row, every column and every outlined region of nine cells contains the digits 1 through 9.

↓

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

→

Consecutive Sudoku

165 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars. Cells which are not separated by white bars cannot contain consecutive digits.

↓

	8							
								8
6								
							7	

→

Odd/Even Sudoku

65 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Shaded cells contain the even digits while the others contain the odd digits.

↓

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

→

Diagonal Sudoku

110 points

Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

↓

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

→

Frame Sudoku

110 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. The numbers outside the grid represent the sum of first 3 digits inside the grid in the corresponding direction.

↓

	14	16	15	12	16	17	15	15	15	
23	9	8	6	3	7	2	1	4	5	10
9	4	3	2	1	5	6	8	9	7	24
13	1	5	7	8	4	9	6	2	3	11
→ 19	7	9	3	4	1	8	2	5	6	13
17	8	4	5	2	6	7	3	1	9	13
9	2	6	1	5	9	3	4	7	8	19
9	3	2	4	7	8	5	9	6	1	16
15	5	1	9	6	3	4	7	8	2	17
21	6	7	8	9	2	1	5	3	4	12
	14	10	21	22	13	10	21	17	7	

Sudoku XV

120 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. All the adjacent cell pairs (sharing an edge) with two digits summing to 5 are marked by V, while those summing to 10 are marked by X. The cells edges which do not contain an X or a V cannot have digits summing to 5 or 10.

↓

	4	9	7	8	6	3	v	2	5	1
	5	3	1	x	9	2	4	8	6	7
→	2	6	8	x	1	7	5	4	9	3
	6	7	2	v	3	9	x	1	5	4
	8	1	x	9	5	4	7	6	3	v
	3	5	4	x	6	8	x	2	7	1
	1	8	6	x	7	5	9	3	v	2
	9	2	5	x	4	3	8	1	7	6
	7	4	3	v	2	1	6	9	8	5

Irregular Sudoku

130 points

Fill in the grid so that every row, every column and every outlined region of nine cells contains the digits 1 through 9.

↓

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

→

Consecutive Sudoku

165 points

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Neighboring cells which contain consecutive digits are separated by white bars. Cells which are not separated by white bars cannot contain consecutive digits.

↓

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

→

↓