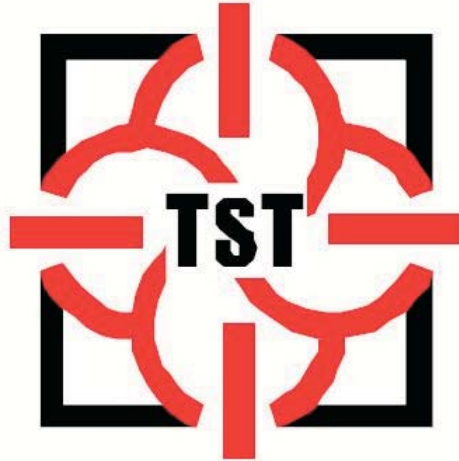


Turkish Online Sudoku Championship

7 March 2009, 16:00 GMT



TURKISH SUDOKU TEAM

1. Same Regions Sudoku	10+10+30
2. Little Killer Sudoku	45
3. Crosssumdoku	20+20+30
4. Missing Sudoku	35
5. Scale Sudoku	30+40
6. Where Is Max?	40
7. Arrow Sudoku	25+45
8. Consecutive Regions Sudoku	25+45
9. Pusula	20+25+30+35
10. Error#	?+ bonus
11. Multiplication Table Sudoku	50
12. Fiver Sudoku	45
13. Knight Step Sudoku	35
14. Vudoku	50
15. Triple Sum Sudoku	30

This set of puzzles is a mixture from the Turkish team selection competition, held in 28 Feb - 1 Mar 2009, in Istanbul. The last five puzzles are from the playoff rounds. All puzzles are made by Serkan Yürekli.

Some puzzle ideas are obtained as follows: 1,4,7,8 and 13 from JNPC; 2 and 11 from WSC 2007; 3 from Andrey Bogdanov; 6 from 2009 French Qualification; 12 from Ferhat Çalapkulu and 15 from SudokuCup 2009.

4. Missing Sudoku

Fill the grid with digits from 0 to 9 (nine of ten digits) so that no digit is repeated within any row, column and 3x3 outlined region. Digits outside the grid represent the missing digit in the corresponding directions.

	8	4		3	0	8		2	7
8			7	9		1	0		
7									3
		0			5	2	6		9
0		6			1	9			5
4		3			8			9	
2	9			6	4				0
	1		0	8	2				5
2	5								
9			4	0		5	8		

	8	4		3	0	8		2	7
8	6	5	7	9	3	1	0	4	2
7	2	9	1	4	6	0	5	8	3
	4	0	3	7	5	2	6	1	9
0	7	6	8	2	1	9	4	3	5
4	0	3	2	5	8	7	1	9	6
2	9	1	5	6	4	3	7	0	8
	1	7	0	8	2	6	9	5	4
2	5	8	6	1	9	4	3	7	0
9	3	2	4	0	7	5	8	6	1

Answer format: Write the content of the coloured cells, from top left to bottom right, row by row. The answer for the example would be: 612387

5. Scale Sudoku

Fill the grid with digits from 1 to 6 so that each digit appears exactly once in every row, column and 2x3 outlined region. Some marked regions are scaled and the measurements are given next to the grid. The weight of the frames and the pans are ignored.

	F	2			D
E			A	1	
		5			
		3			
2	C		B		

1	F	4	2	5	6	D	3
E	5	3	6	A	1	4	2
6	2	5	4	3	1		
3	1	4	6	2	5		
4	5	3	2	1	6		
2	C	6	1	B	3	5	4

Answer format: Write the content of the marked row/column. The answer for the example would be: 326415

6. Where Is Max?

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. Numbers outside the grid gives the position of the maximum of the first digits encountered in the same region starting from that direction (i.e. the maximum of the first 3 digits for a 9x9 grid).

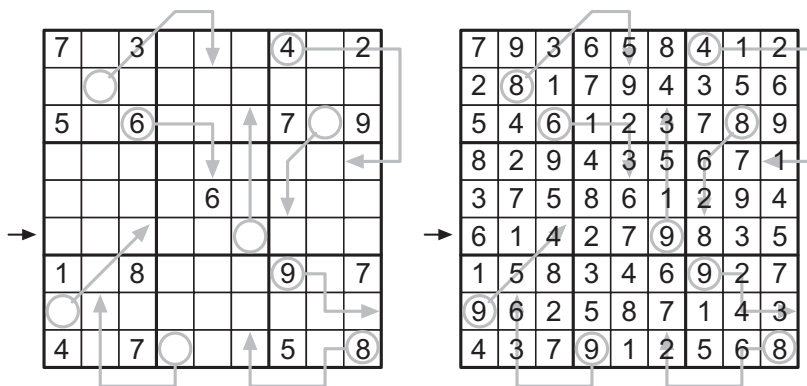
	1		2	2	3	3	3		
2	6		1			7			
3			5		6			7	
2				5					
1		5			3		4		
3								1	
3		3		8		5			
1			2						6
1				3			1		
1	1	1	1	3	2	2	3	3	

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

Answer format: Write the content of the coloured row, from left to right. The answer for the example would be: 143652789

7. Arrow Sudoku

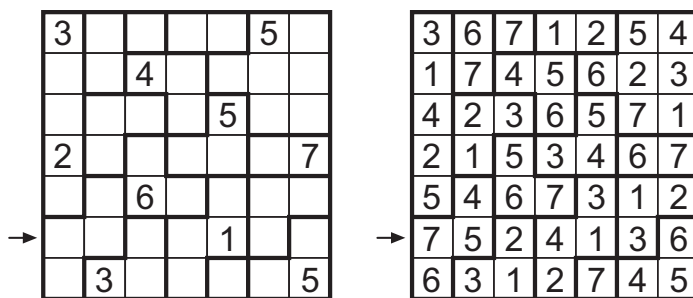
Fill the grid with digits from 1 to 6 / 1 to 9 so that each digit appears exactly once in every row, column and 2x3 / 3x3 outlined region. The digit in a circle is the sum of the digits which are marked with its arrow.



Answer format: Write the content of the marked row/column. The answer for the example would be: 614279835

8. Consecutive Regions Sudoku

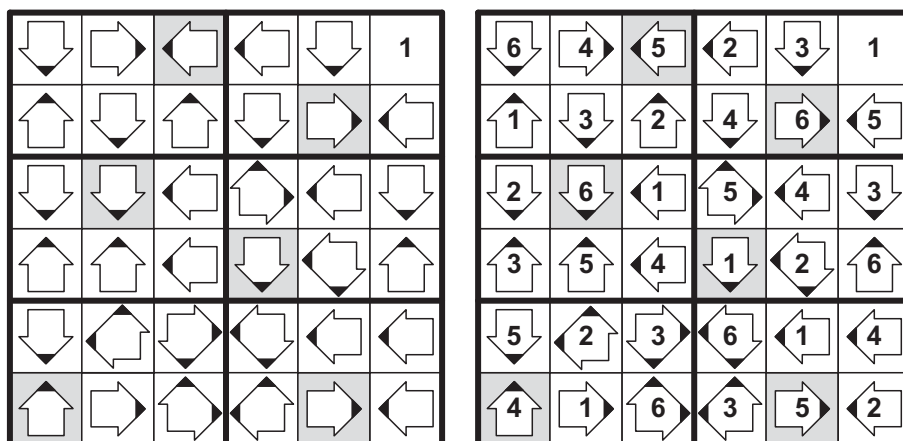
Fill the grid with digits from 1 to 7 so that each digit appears exactly once in every row/column. The regions should contain consecutive series.



Answer format: Write the content of the marked row/column. The answer for the example would be: 7524136

9. Pusula

Fill the grid with digits from 1 to 6 so that each digit appears exactly once in every row, column and 2x3 outlined region. The arrow of an odd digit points to the bigger even neighbour of the cell. The arrow of an even digit points to the bigger odd neighbour of the cell. All possible arrows are given.



Answer format: Write the content of the coloured cells, from top left to bottom right, row by row. The answer for the example would be: 566145

10. Error#

In this classic Sudoku puzzle, all placed digits should be in wrong positions. But there is still the rule that no digit can be repeated within a row/column/3x3 region. Every wrong digit gets one point for the puzzle. Every repetition within a row/column/3x3 region or placed every correct digit takes one point away (A correct digit is the digit in the exact solution of puzzle). 30 points bonus for the best solution.

3					1
			2		
1	3		5		
		6		1	2
		4			
6					5

3	2	5	6	4	1
4	6	1	2	5	3
1	3	2	5	6	4
5	4	6	3	1	2
2	5	4	1	3	6
6	1	3	4	2	5

3	6	2	4	5	1
	4		2	3	
1	3		5		
4	5	6		1	2
5	1	4	6	2	3
6	2		1	4	5

Answer format: Write your wrong solution row by row, from top to bottom. Use 0 (zero) for empty cells. The answer for the example would be: 362451,040230,130500,456012,514623,620145

11. Multiplication Table Sudoku

Fill the grid with digits from 1 to 9 so that each digit appears exactly once in every row, column and 3x3 outlined region. Each highlighted 2x2 region contains examples of multiplication. Every lower highlighted row must contain the product of two digits in the upper highlighted row.

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

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

Answer format: Write the content of the marked row/column. The answer for the example would be: 127584936

12. Fiver Sudoku

Fill the grid with digits from 1 to 9 so that each digit appears exactly once in every row, column and 3x3 outlined region. There is always a circle between two cells, where either the sum or the difference is 5.

7				8				
				1				
		8						
		4						
							1	
							4	
			9					
			4					2

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

Answer format: Write the content of the marked row/column. The answer for the example would be: 196782534

13. Knight Step Sudoku

Fill the grid with digits from 1 to 9 so that each digit appears exactly once in every row, column and 3x3 outlined region. No cell that is a knight-step away can contain the same digit. In chess, a knight moves two squares forward, followed by one sideways.

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

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

	×		×	
×				×
		9		
×				×
	×		×	

Answer format: Write the content of the marked row/column. The answer for the example would be: 598421637

14. Vudoku

Fill the grid with digits from 1 to 9 so that each digit appears exactly once in every row, column and 3x3 outlined region. A digit in the middle of a V-shape is either the sum or the difference of its two neighbouring digits in that shape.

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

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

Answer format: Write the content of the marked row/column. The answer for the example would be: 981654732

15. Triple Sum Sudoku

Fill the grid with digits from 1 to 9 so that each digit appears exactly once in every row, column and 3x3 outlined region. Each row is divided into three parts. The first part is a 4-digit number, the second part is a 3-digit number and the third part is a 2-digit number. The sum of these three numbers are given outside the grid in the corresponding rows.

5994								
4086								
3348								
7353								
2700								
9387								
5058								
7866								
9693								

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

5994								
4086								
3348								
7353								
2700								
9387								
5058								
7866								
9693								

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

Answer format: Write the content of the marked row/column. The answer for the example would be: 269347185