

FRENCH SUDOKU TEAM WSC 2011

PRE-QUALIFICATION - INSTRUCTIONS

23 – 24 april

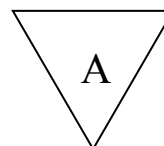
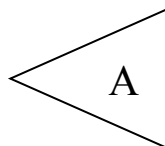
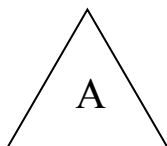
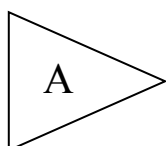
Duration : 2 hours

Information on the tournament

The tournament will take place on <http://ffsudoku.com>, (*tournois* → *préqualifications françaises WSC 2011*) ; or you can go directly at http://ffsudoku.com/prequalifications_france_2011_en.html.

To transmit the answer-codes, a specific page, containing a form, will be used, which address will be given at the beginning of the tournament.

The answer-codes will be constituted by the digits of rows or columns indicated by the following symbols, where letters from A to C will represent rows and columns,



at the exception of Just one cell sudoku. For this one, there will be two fields. In the first one you will have to enter the digit which can be placed with certainty and in the second one the row and the column of this digit.

The number of points allocated to a puzzle is representative of its difficulty. This one is estimated based on the average solving time of testors.

Everybody is free to try the puzzles he/she wants and in any order, depending on the variants he/she prefers and on the difficulty of the grids. Which is important is to have fun, and to get – at the end – the maximum amount of points !

Composition of the test

- Classical sudoku 15 points - 30 points - 50 points
- Tight fit sudoku 20 points
- Diagonal sudoku 75 points
- Just one cell sudoku 35 points
- Product sudoku 70 points
- Sudoku 1 – 4 – 7 45 points
- Frame sudoku 75 points
- Alphabet sudoku 20 points
- Arrow sudoku 60 points
- Surprise 65 points
- Untouch sudoku 40 points

Total points : 600 points

We wish you good luck and hope that you will have pleasure to solve these puzzles. If you liked in particular the puzzles untouch sudoku, diagonal sudoku and arrow sudoku you will probably like the puzzles from website <http://ile-logique.blogspot.com> of Bastien Vial-Jaime.

Sudoku Classique – Classical sudoku**15 points - 30 points - 50 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

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

Sudoku imbriqué – Tight-fit sudoku**20 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

A cell divided by an oblique line must contain two digits.

The digit located under the line is always bigger than the digit on top of the line.

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

Sudoku diagonal**75 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

Moreover, each of the two diagonals marked by a dotted line must also contain the digits from 1 to 9.

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

Sudoku pour une seule cellule – Just one cell sudoku 35 points

Each row, column and 3x3 region must contain the digits from 1 to 9.

The puzzle has several solutions. However, one additional digit regarding the given digits can be placed with certainty in the puzzle.

Find which digit and in which cell.

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

Sudoku produit – Product sudoku**70 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

In the areas delimited by dotted lines, the clues give the value of the product of digits within the area. It is possible to find several times the same digit in an area.

The given example is a 6x6 irregular grid. The tournament puzzle will be a standard 9x9 sudoku.

60		36		240	
144		40		90	
60		360		24	

Sudoku 1-4-7**45 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

The grid contains three types of cells which all have a distinct particularity.

Digits from 1 to 3 are contained in cells of the same type ; so are the digits from 4 to 6, and the digits from 7 to 9.

For example, in the following puzzle, cells with a rectangle contain only digits from 4 to 6.

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

Sudoku encadré - Frame sudoku**75 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

Clues outside the puzzle give the sum of the first three digits in the corresponding row / column.

	8	24	13	15	14	16	11	15	19	
11										16
20										19
14										10
23										13
7										20
15										12
6										17
22										14
17										14
	18	11	16	11	13	21	14	24	7	

Alphabet sudoku**20 points**

In this puzzle, digits from 1 to 9 are replaced by a series of 9 letters.

Each row, column and 3x3 region must contain the letters of the series.

G		E				I		A
	A			H			D	
C		H		D		B		F
E			A	F	B			
	C		I		D		B	
			H	C	E			I
A		D		I		G		B
	F			A			E	
H		B				A		C

Sudoku fléché – Arrow sudoku**60 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

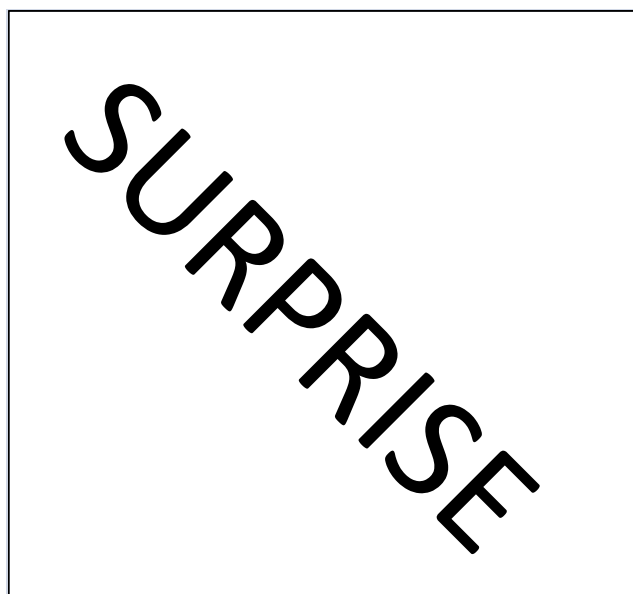
A digit in a grey circle is equal to the sum of digits located on the corresponding line. Digits may repeat on a same line.

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

Surprise**65 points**

The rules of this puzzle will be revealed in the tournament file.

There will also be an example puzzle, so that the rules shall be well understood. This example puzzle will not give any points if solved.



Sudoku roi – Untouch sudoku**40 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

Moreover, as for a chess king, a digit cannot be located in two cells which are adjacent by a side or a corner.

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

All the puzzles of this booklet have been taken from websites. Tight fit sudoku, diagonal sudoku, classical sudoku and just one cell sudoku are from the site

http://www.worldpuzzle.org/wiki/index.php/Fifth_World_Sudoku_Championship.

Product sudoku from the site <http://mzrg.com/sudoku/handmade.shtml>.

Sudoku 1-4-7 from french qualification 2009.

Frame sudoku from the site <http://www.sachsentext.de/en/node/795>.

Alphabet sudoku from the site <http://rohanrao.blogspot.com/2008/12/rules-of-alphabet-sudoku.html>.

Arrow sudoku from the site <http://ile-logique.blogspot.com/search/label/arrow%20sudoku>.

Untouch sudoku from the site <http://rishipuri.blogspot.com/2011/03/untouch-n3.html>.