SWISS LOGIC PUZZLE FEDERATION

INSTRUCTION BOOKLET

Swiss Qualification Tournament
for the
18th World Sudoku Championship

May 16 – 19, 2025

WORLD PUZZLE FEDERATION

Tournament Details

The tournament will take place on the website of Logic Masters Germany: https://logic-masters.de/Wettbewerbe/CE/wettbewerb.php?id=276

The tournament will be open from **Friday, May 16, 12:00 CEST** to **Monday, May 19, 23:59 CEST**.

To start the tournament, follow the indications on the website. There are two PDF documents involved:

- one is the instruction booklet that you are reading now which contains the rules and examples of the different variants of puzzles appearing in the tournament.

- the second document is an encrypted PDF file of 10 pages containing the actual tournament puzzles. This document will be available for download just before the tournament. Starting the tournament will give the player the password to decrypt the PDF file.

Answer codes:

- Once you start the tournament, you will be given **120 minutes** to submit the answer codes. It is therefore recommended to start before Monday May 19 at 21:59 CEST to make it before the end of the tournament time window.

- Answer codes differ between the puzzle types. They are explained next to each puzzle type. It is recommended to study the answer codes carefully before starting the competition.

- If several rows or columns of a puzzle are marked for the answer code, first enter the answer codes of the rows from top to bottom, followed by the answer codes of the columns from left to right.

- The answer codes can be changed and/or entered multiple times without penalty during these 120 minutes.

For each correctly solved puzzle you will be awarded the marked points. Wrong answers will not get any minus points.

The answers are only stored when clicking the submit button. They are **not** submitted automatically when the time is over. You can submit as often as wished in the time limit.

No solving programs or calculators are allowed.

The tournament is destined to evaluate the admission of Swiss players to the World Sudoku Championship 2025. Players from all nations are kindly welcome to compete, too.

The puzzles in this tournament have been created by Roger Kohler. For **questions**, feel free to ask on the Discord server of the World Puzzle Federation (https://discord.gg/NM9xn6Rm9k, under events) or contact Roger Kohler directly (email: ropeko@yahoo.de, phone: +41798134273).

International test solvers helped to make sure the puzzles are valid and to synthesize an adapted number of points per puzzle. The number of points gives an indication of the difficulty of the puzzle.

Special thanks to the website Logic-Masters.de by making the online qualification possible, and to the test solvers Denis Auroux, Hatice Esra Yaka, Silke Berendes, Christian König, Anne Limoges and Tiit Vunk.

List of Puzzles

No.	Puzzle type	Points
1	Classic Sudoku (6x6)	4
2	Classic Sudoku (6x6)	7
3	Classic Sudoku (6x6)	7
4	Classic Sudoku (6x6)	14
5	Classic Sudoku	24
6	Classic Sudoku	36
7	Classic Sudoku	46
8	Classic Sudoku	70
9	Classic Sudoku	96
10	Diagonal Sudoku	61
11	Battenburg Sudoku	64
12	No Touch Sudoku	50
13	Extra Regions Sudoku	77
14	Killer Sudoku	60
15	Antiknight Sudoku	120
16	Thermo Sudoku	83
17	Irregular Sudoku	205
18	Cloned Shapes Sudoku	83
19	Full Rank Sudoku	93
	Total	**1200**

1-4 Classic Sudoku (6x6) – 4+7+7+14 points

Place a digit from 1-6 in each empty cell in the grid such that each row, column and marked 2x3 box contains each digit exactly once.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

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

➡

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

Answer: 513624 451236

5-9 Classic Sudoku – 24+36+46+70+96 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

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

➡

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

Answer: 251734986 872359164

10 Diagonal Sudoku – 61 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Each marked diagonal must also contain each digit from 1-9 exactly once.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 213768945 921853647

11 Battenburg Sudoku – 64 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Everywhere 2 odd and 2 even digits form a 2x2 chessboard pattern, a Battenburg marking is given. If there is no marking, the above pattern is not allowed.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 263915847 265347819

12 No Touch Sudoku – 50 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Equal digits must not touch each other diagonally.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 329714685 681547923

13 Extra Regions Sudoku – 77 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Each of the shaded regions must also contain each digit from 1-9 exactly once.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 795123486 349512867

14 Killer Sudoku – 60 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

The digits placed in each marked cage must sum to the total given in its top-left. Digits must not repeat in cages.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 967532148 564873219

15 Antiknight Sudoku – 120 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Digits placed in cells related by a Chess Knight's move must be different.

Chess Knight's move: Two squares away horizontally and one square vertically, or two squares vertically and one square horizontally.

All grey cells can not contain 1.

The Chess Knight's move explanation won't be added in the competition booklet.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 195274368 497136528

16 Thermo Sudoku – 83 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Starting at the "bulb", digits placed along each marked thermometer must form a strictly increasing sequence.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 795638124 917546283

17 Irregular Sudoku – 205 points

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 9-cell region contains each number exactly once.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 985372461 619283547

18 Cloned Shapes Sudoku – 83 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Each shape is cloned, including the digits it contains, without rotating or mirroring. The position of the digits inside each shape is fixed - the same digits have to be placed at the same position inside the identical shapes. The digit may appear more than once in a shape.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom).

Example:

Answer: 976431258 518364729

19 Full Rank Sudoku – 93 points

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

Full rows/columns (read left-right, right-left, top-bottom, bottom-top) form 36 distinct 9-digit numbers. Their rank from the lowest is given.

Answer: For each designated row/column, enter its content, from left to right (or top to bottom). Do not include any numbers outside the grid.

Example:

Answer: 438762195 437618952