

## INSTRUCTION BOOKLET

| 1. LOG SUDOKU | 58 pt |
| :--- | ---: |
| 2. LOG SUDOKU | 68 pt |
| 3. SUDOKU WITH MIXED HINTS | 75 pt |
| 4. SUDOKU-LOSHARIKI | 81 pt |
| 5. SUDOKU ON PINS | 176 pt |
| 6. SUDOKU 765432100 | $100+28 \mathrm{pt}$ |
| 7. SSC SUDOKU | 164 pt |
| TOTAL | 750 pt |

TIME
75 minutes

## BONUS

10 points per minute saved if all puzzles are solved correctly
ANSWER KEY
Digits in the marked rows (from left to right) or columns (from top to bottom), as indicated by arrows

Apply classic sudoku rules. Additionally, at least one of the rules is met for the digits on each color strip: they are all a) of the same parity, b) arranged strictly in ascending or descending order. The digits on the strip may be repeated.


$\Rightarrow$| 4 | 1 | 3 | 2 |
| :--- | :--- | :--- | :--- |
| 3 | 2 | 4 | 1 |
| 1 | 3 | 2 | 4 |
| 2 | 4 | 1 | 3 |

Answer: 3241, 1324

## 3. SUDOKU WITH MIXED HINTS

Apply classic sudoku rules. A symbol is suggested between the cells, formed by superimposing digits from these cells on each other. The digit 1 can be superimposed on another digit from either side left or right.


Answer: 4312, 2134

## 4. SUDOKU-LOSHARIKI

Apply classic sudoku rules. In each marked horizontal or vertical triple, the central digit is the arithmetic mean of the two others. Not all triples with this property are marked in the grid. The sums of all the digits in the colored circles of the corresponding row or column are indicated outside the grid.


All 3x3 blocks rotate around pins stuck in their centers. The digits have the given outline. Only digits 1, 2, 3 can get into the cells with circles, $4,5,6$ - with squares, and $7,8,9$ - with octagons. Return all or some of the blocks to their original positions and solve the sudoku by classic rules.
Digits

| 1 | 2 | $\exists$ | 4 | 5 | 5 | 7 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |




Answer: 4132, 3241


Solve each grid using classic sudoku rules. Exactly 7 digits of the Nth row of the first sudoku coincide with the digits of the Nth row of the second sudoku: they are in the same positions. You have to determine the value of N . The same rule for $6,5,4,3,2,1,0$ and 0 digits is valid for the other rows.

If any one grid is solved correctly, it will score 100 points. If both are solve correctly, they will score 128 points.

The example is a $4 \times 4$ Sudoku 2100. Exactly two digits of the 1 th row of the first grid coincide with two digits in the same positions of the 1th row of the second grid.
Exactly one digit of the 2th row of the first grid coincide with one digit in the same position of the 2 th row of the second grid.
No digit in the 3th and 4th rows of the first grid coincide with any digit in the same positions of the 3 th and 4th rows of the second grid.


## 7. SSC SUDOKU

Solve a Sudoku with Symmetrical Cells using classic rules. Some cells are marked with identical symbols forming symmetrical shapes with a center or axis of symmetry. For each shape, the sum or difference in a pair of any cells symmetrical with respect to the center or axis is equal to the digit in the central cell of the shape.


Answer: 543261, 452613


