## Booklet



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## Classic Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box.

|  |  |  |  |  | 8 | 1 | 6 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 1 |  |  |  |  |  | 9 |
|  | 5 |  | 1 |  |  |  |  | 8 |
|  |  | 4 |  |  |  | 2 |  |  |
|  | 6 |  | 5 |  | 3 |  | 1 |  |
|  |  | 3 |  |  |  | 7 |  |  |
| 4 |  |  |  |  | 6 |  | 9 |  |
| 8 |  |  |  |  |  | 4 |  |  |
|  | 7 | 5 | 3 |  |  |  |  |  |

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## First Seen Even-odd Sudoku

## Example:

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Numbers outside the grid show the sum of the first seen even and the first seen odd number in corresponding row/column.


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## No four in a grow Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Nowhere in the grid the horizontal/vertical line of four constantly increasing/decreasing numbers can appear. - example 1269,9531 etc.

| 7 |  |  | 6 |  |  | 2 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 9 |  |  | 5 |  | 8 |  |
|  | 2 |  |  | 1 |  |  |  | 6 |
| 9 |  |  | 5 |  |  |  | 1 |  |
|  |  | 8 |  |  |  | 3 |  |  |
|  | 5 |  |  |  | 1 |  |  | 8 |
| 2 |  |  |  | 8 |  |  | 3 |  |
|  | 3 |  | 1 |  |  | 4 |  |  |
|  |  | 7 |  |  | 3 |  |  | 9 |

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## Frameless Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. The clues on the outside are the sums of the first digits you see from that side. The amount of digits in the sum can vary from 1 digit to 9 digits. They can differ from sum to sum.


## Killer in disguise Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Each digit in the cage must be unique.All the sets of digits in the dotted cages should be different. The sum of digits for some cages is given.

Example:


| 7 |  |  |  |  |  |  |  | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1 |  | 4 |  |  |  |
|  |  | 9 |  | 5 |  |  | 3 |  |
|  | 5 |  |  |  |  |  |  | 4 |
|  |  | 6 |  | 9 |  |  | 2 |  |
|  | 7 |  |  |  |  |  |  | 9 |
|  |  | 1 |  | 7 |  |  | 8 |  |
|  |  |  | 8 |  | 2 |  |  |  |
| 2 |  |  |  |  |  |  |  | 1 |

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## Even-odd Japanese Sum Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. The numbers outside the grid indicate the sums of the digit groups in that row or column and in the given order. Numbers on top refer to the groups of even digits; numbers at left refer to the groups of odd digits. Sums should be separated by at least one digit of different parity.

|  |  |  |  |  |  |  |  |  |  | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 8 | 6 | 8 | 10 | 8 | 2 | 6 | 8 |  |
|  |  |  | 8 | 4 | 6 | 8 | 6 | 10 | 8 | 2 | 18 |
|  |  |  | 4 | 10 | 6 | 2 | 6 | 8 | 6 | 4 | 2 |
| 16 | 1 | 8 | 9 |  |  |  |  |  |  |  | 3 |
|  | 7 | 9 |  |  |  |  |  |  |  |  |  |
|  |  | 25 |  |  |  |  | 9 |  |  |  |  |
|  |  | 22 |  |  |  |  |  |  |  |  |  |
|  | 5 | 13 |  |  | 5 |  |  |  | 3 |  |  |
| 13 | 5 | 7 |  |  |  |  |  |  |  |  |  |
| 14 | 8 | 3 |  |  |  |  | 7 |  |  |  |  |
| 37 | 14 | 1 |  |  |  |  |  |  |  |  |  |
|  | 13 | 12 | 4 |  |  |  |  |  |  |  | 5 |



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## Oddsum Loop Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Draw the single closed loop going along the grid lines. It can freely go on the outer border but inside the grid it can only go between the cells where two numbers with their odd total are placed. Some fragments of the loop are given.

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## Gappy Consecutive Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Every outlined area contains the set of consecutive numbers with one in-between number missing. The missing number is indicated for every area.


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## Magnetic Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box.
Two-cell blocks containing digits of the same parity are non-magnetic; two-cell blocks containing digits of different parity are magnetic; onecell blocks can be either magnetic or non-magnetic. Magnetic blocks can share sides only by the digits of different parity. Numbers outside the grid show the amount of even/odd digits on magnetic blocks for each row/column. Some non-magnetic blocks are given (grey blocks).

## Example:



|  | 6 |  |  |  |  |  | 8 |  | 4 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 |  |  | 1 |  | 4 |  |  | 3 | 31 | 1 |
|  |  | 4 |  |  |  | 9 |  |  |  | 3 |
|  | 7 |  |  | 2 |  |  | 1 |  | 4 | 3 |
|  |  | 5 | 6 |  | 8 | 3 |  |  | 1 | 2 |
|  | 3 |  |  | 5 |  |  | 9 |  | 3 | 3 |
|  |  | 3 |  | 8 |  | 1 |  |  | 3 | 3 |
| 2 |  |  | 7 |  | 6 |  |  | 9 | 2 | 1 |
|  | 8 |  |  |  |  |  | 2 |  | 2 | 2 |
| 2 | 4 | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 0 |  |
| 2 | 4 | 3 | 2 | 2 | 1 | 2 | 4 | 1 |  | E |

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## Example:

## Tripod Sudoku

Place in the grid digits from 1 to 9 , so that each row, column and outlined area contains each digit exactly once. You have to find the outlines of the areas. All the nodes where three lines meet are marked with the black dots. There are no nodes where four lines meet. Some fragments of the outlined areas are given.


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## Twin Detector Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. Wherever the number in the cell equals to a total of any amount of the closest numbers in any direction - there is an arrow pointing to that direction.

|  | $\nabla$ | $\checkmark$ | $\checkmark$ |  |  | - |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 |  |  |  | $5$ |  |  |
| 4 |  | 4 | 5 |  |  |  |  | $\Delta$ |
|  |  | 4 | $\nabla$ | $\checkmark$ |  |  | $\checkmark$ |  |
|  |  |  | $\Delta$ |  |  |  | 4 |  |
| $\stackrel{\square}{\square}$ |  |  | $\Delta$ | $\begin{array}{\|lll\|} \hline & \Delta & \\ \hline & & > \\ & & \nabla \end{array}$ |  | 1 | $\begin{array}{\|ll\|} \hline \nabla & \\ \Delta & \Delta \\ \hline \end{array}$ |  |
|  |  | $4>$ | 2 |  |  | - |  | $\nabla$ |
|  | - |  |  | $\nabla$ |  |  |  |  |
|  |  | $\checkmark$ |  |  |  | $4^{\Delta}$ |  |  |



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## Magic Summer Sudoku

Place in the grid digits from 1 to 6 , so that each row, column and $3 \times 3$ box contains each digit exactly once. Numbers outside the grid show the total of all numbers appearing in corresponding rows and columns. These numbers are separated by at least one empty cell.

## Example:

12_3_456_=471;6543_21_=6564;

|  |  |  | 1 |  |  |  |  |  | 75 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | 6 |  |  | 183 |
|  | 5 |  |  |  |  |  |  |  | 4665 |
|  |  |  |  |  |  |  |  |  | 93 |
|  |  |  |  |  |  |  |  |  | 14565 |
|  |  |  |  |  |  |  |  |  | 13566 |
|  |  |  |  |  |  |  | 5 |  | 93 |
|  | 4 |  |  | 6 |  |  |  |  | 372 |
|  |  |  |  |  |  |  |  |  | 1542 |
| 1263 |  | 480 |  | 84 |  | 318 |  | 642 |  |
|  | 642 |  | 84 |  | 3657 |  | 381 |  |  |

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## Five Pair Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box.
The 10 -cell grey areas inside the grid should contain two sets of five digits.

|  | 1 |  |  | 8 |  |  | 7 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8 |  |  | 2 |  | 4 |  |  | 1 |
|  |  | 6 |  |  |  | 4 |  |  |
|  | 3 |  |  | 2 |  |  | 5 |  |
| 2 |  |  | 5 |  | 1 |  |  | 3 |
|  | 5 |  |  | 6 |  |  | 2 |  |
|  |  | 1 |  |  |  | 5 |  |  |
| 9 |  |  | 8 |  | 6 |  |  | 2 |
|  | 8 |  |  | 3 |  |  | 4 |  |

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## Alternative Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. The number staying between two cells should end up in one of those cells.



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## Example:



## Slitherlink Sudoku

Write a single number from 0 to 8 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box.
All numbers 0 to 3 are the clues for the Slitherlink (Fences) puzzle.
Fences: Draw closed line going through grid lines. The line doesn't have to go through all the cells. The clue numbers indicate how many lines surround the cell. The loop must not have any branches and must not cross itself.


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## Numberlink Sudoku

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded $3 \times 3$ box. 18 circles in the grid should be filled with two sets of numbers 1 to 9 . Circles with the same number X should be connected by the line going (only horizontally/vertically) through exactly X cells. Along each connecting line all the numbers should be different. Lines cannot cross, branch off, or go through the cells with circles.

Example:

| 8 |  | 1 | 9 |
| :--- | :--- | :--- | :--- |
| 2 | 4 | 5 |  |
| 7 | 9 |  | 8 |
| 6 | 0 | 3 | 5 |


| $\downarrow$ |  |  |  |
| :---: | :---: | :---: | :---: |
| 8 | 3 | 1 | 9 |
| 2 | 4 | 5 | 1 |
| 7 | 9 | 6 | 8 |
| 6 | 2 | 3 | 5 |


|  |  | 9 |  | 5 |  | 3 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 8 |  |  |  | 9 |  |  |
| 3 | 5 |  |  |  |  |  | 2 | 7 |
|  |  |  | 8 |  | 7 |  |  |  |
| 7 |  |  |  |  |  |  |  | 8 |
|  |  |  | 5 |  | 4 |  |  |  |
| 6 | 3 |  |  |  |  |  | 9 | 5 |
|  |  | 7 |  |  |  | 8 |  |  |
|  |  | 1 |  | 7 |  | 6 |  |  |

