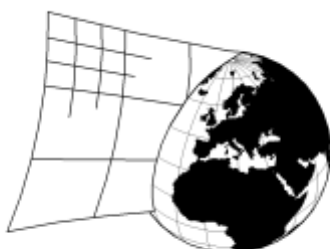


SUDOKUCUP 12

Sudoku

Puzzle Instructions



SUDOKUCUP.COM



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SUDOKUCUP 12

Puzzle Instructions



Puzzle Examples can be studied on a web page:

<http://sudokualogika.cz/node/1014>

A1-3) Classics

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

A4) Diagonal

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. Moreover both main diagonals contain all digits 1 through 9.

A5) Consecutive

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. All pair of adjacent cells containing consecutive digits are marked with a circle.

A6) Windoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. Moreover the four marked extraregions contain all digits 1 through 9.

A7) Greater Than

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The digit must follow given inequality signs.

A8) Killer

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The grid is divided into cages. The total of digits inside every cage is given. Moreover all digits in one cage must be distinct.

A9) Quadro

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. No square of 2x2 cells anywhere in the grid can contain either 4 even or 4 odd digits.

A10) Irregular

Fill in the grid so that every row, column, and boldly outlined region contains the digits 1 through 9.



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B1) Ordering

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

Every cage outlines a two-digit number. A small number in the top left corner of each cage gives the rank of the two-digit number in an ordered list of all two-digit numbers. (From the smallest to the highest.)

B2) Counting the neighbours

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

There is a cross in the cell if the value of the digit (in this cell) is the number of different digits among its diagonal neighbors. If the value of the digit is the number of different digits among all the neighbors (up to 8 in any direction), there is a circle in the cell.

All the cells with given characteristics are indicated.

B3) Clock-faces

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

Digits around the white clock-faces are ordered by the size in the clockwise direction. Digits around the black clock-faces are ordered by the size in the anticlockwise direction. All the clock-faces are indicated.

B4) Irregular dots

Fill in the grid so that every row, column, and boldly outlined region contains the digits 1 through 9.

If the difference of two adjacent digits in the Nth line is N, there is a white dot between them. If the sum of two adjacent digits in the Nth line is N, there is a black dot.

The same rule holds for columns.

All possible dots are given.

B5) Knight and Queen

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 7 and letters N and Q.

Letters N represent chess knights and cannot attack each other.

Letters Q represent chess queens and cannot attack each other.

B6) Increasing snake

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

In the resulting grid you can draw a snake with a head in the left top. There are four cells occupied by a snake in every 3x3 box and the digits in these cells are in increasing order from a head to tail. (Exact position of the snake is not unique, but there is only one solution of the sudoku.)

B7) Primrose

Fill in each empty cell with a digit from 1 to 9 so that each boldly outlined region contain all of them. Moreover no digit can be repeated along the inner circumference of each circle.

B8) Blackout sums

Fill in each empty cell with a digit from 1 to 9 so that no digits can be repeated in a row, column or outlined box 3x3 cells.

The black cell is empty. Moreover the given number in it is the total of three digits —those digit that are missing on that position in the corresponding row / column / box to complete 1 to 9 set.



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B9) Four winds

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

Z každé zakreslené hlavičky vychází 1 až 4 rovná tykadla, číslo v kroužku udává součet jejich délek. Tykadla zabírají všechna volná políčka, ale vzájemně se nekříží ani nedotýkají. Navíc platí, že se na ploše celého tvorečka nesmí opakovat žádná číslice.

B10) Surprise

No instructions in advance. There will be a small example and its solution in the puzzle book with a meaningful title. Your task is to deduce the instructions and solve the puzzle.

B11) Elimination

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

The digit from a cell with an arrow doesn't appear in the cells pointed by the arrow.

B12) Inside skyscrapers

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

All digits represent skyscrapers of nine different heights. Moreover the digits in cells with arrows give the count of visible skyscrapers in the corresponding direction. (Higher skyscrapers hide all smaller ones behind them.)

B13) Choose the givens

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

You should choose the givens from a grid on the right. Numbers around it give the length of groups of consecutive digits you should copy from each row / column. The lengths are given in a correct order. Two groups of copied digits are separated by at least one blank cell.

B14) Transfer

We have erased in the filled sudoku grid the digits in grey cells. Then four digits in every row are transferred to the right one after another. Four digits in every column are transferred down one after another. Restore all digits in the grid.