

## How To Solve a Mini Sudoku Puzzle

You have probably seen sudoku puzzles in newspapers, magazines, books, and websites. Most sudoku puzzles use a 9 x 9 grid. In this learning activity, however, we will use mini-sudoku puzzles with 6 x 6 grids.

Here's a mini-sudoku puzzle. Notice that this 6 x 6 grid is divided into six rectangular 2 x 3 blocks. Some of the squares already contain numbers.

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

### ***The challenge***

Fill the empty squares of the grid above using the numbers 1, 2, 3, 4, 5, and 6.

Each of the six numbers should appear only once in

- each row (six horizontal squares from left to right)
- each column (six vertical squares from top to bottom)
- each block (the 2 x 3 rectangles surrounded by thick lines).

## The solution

Check the solution below. Verify that each row, column, and block contains the numbers 1, 2, 3, 4, 5, and 6 once and only once.

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