

SUDOKU Step by step introduction

Case 1: a number is missing in a row:

💡 Each row contains the numbers 1–9.

1.

✎ Which number from 1–9 is missing in this row? _____

	4	6	9	5	7	1	2	3
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2.

✎ Which numbers from 1–9 are missing in two rows?

Row 1 _____

Row 2 _____

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

Case 2: a number is missing in a column:

💡 Each row contains the numbers 1–9.

💡 Each column contains the numbers 1–9.

✏ Which number from 1–9 is missing in a row and two columns?

Row _____

Column 1 _____

Column 2 _____

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

row

column

column

Case 3: one number is missing in a 3x3 box:

💡 Each 3x3 box contains the numbers 1–9.

✏ Which number from 1–9 is missing in this 3x3 box? _____

	6	8
7	9	5
2	3	1

✏ Which numbers from 1–9 are missing in these two 3x3 boxes?

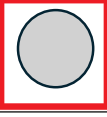
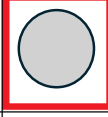
Box 1 _____

Box 2 _____

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

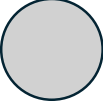
Combine row, column and 3x3 box

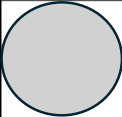
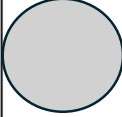
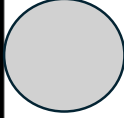
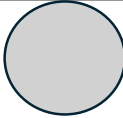
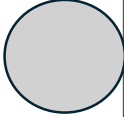
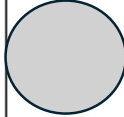
- 💡 Each row contains the numbers 1–9.
- 💡 Each column contains the numbers 1–9.
- 💡 Each 3 x 3 box contains the numbers 1–9.
- ✎ Fill in the empty cells.

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

Sudoku 1 (level A.0) : Try it by yourself.

- 💡 Each row contains the numbers 1–9.
- 💡 Each column contains the numbers 1–9.
- 💡 Each 3 x 3 box contains the numbers 1–9.

To help you: find the marked  cells first, then continue with the other empty cells.

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

Sudoku 2 (level A.0): Try it by yourself.

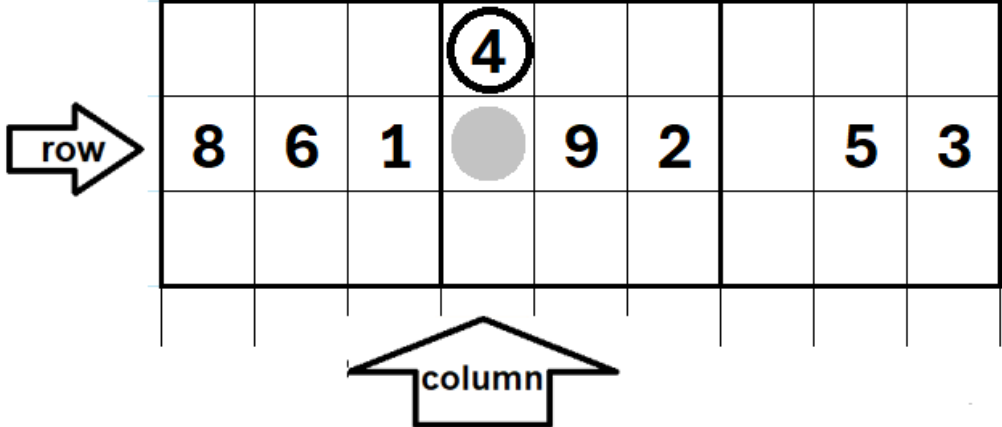
	4	6	9	5	7	1	2	3
3		2	6	8	4	9	5	7
9	5	7	3	1	2	8	4	
2	3	1		6	8		9	5
6	8	4	7	9	5		1	
7	9		2	3	1	6	8	4
4	6	8		7	9	2	3	1
5			1	2	3	4	6	8
1	2	3	8		6	5	7	9

Sudoku 3 (level A.0): Try it by yourself.

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

Case 4: Two numbers are missing in a row – check the column

 Which two numbers are missing in a row? _____ and _____



			4					
8	6	1		9	2		5	3

Use this rule to decide where the two missing numbers go:

 Each number appears exactly once in every row and every column.

Check the column. A number cannot appear twice in the same column.

 Look at the first empty cell. Can 4 go here?  _____

 Write the number that fits in the first empty cell. 

 Write the number that fits in the second empty cell.

Case 5: Two numbers are missing in a row – check the 3 x 3 box

5	6		9	2	3		8	1
4								

 Which two numbers are missing in this row? _____ and _____

Use this rule to decide where the two missing numbers go:

 Each number appears exactly once in every row and every 3x3 box.

Check the 3x3 box. The same number cannot appear twice in a same 3x3 box.

 Look at the first empty cell. Can 4 go here?  _____

 Write number that fits in the first empty cell. 

 Write number that fits in the second empty cell.

Sudoku 4 (level A.1): Try it by yourself.

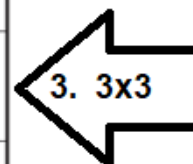
- 💡 Start where only one number is missing.
- 💡 When you fill those in, check if there is now a row, column or 3×3 box with only one number missing.
- 💡 If two numbers are missing, find both numbers first.
- 💡 Check the row, column and 3×3 box.
- 💡 Write a number only when you are sure.

To help you: Fill in cells 1, 2 and 3 marked with arrows.

Then find the marked cells first , then continue with the other empty cells.

Now solve the puzzle below. Take your time.

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



Sudoku 5 (level A.1): Try it by yourself.

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

How did it go?

Did you enjoy this challenge?