

SUDOKU

Step by step introduction

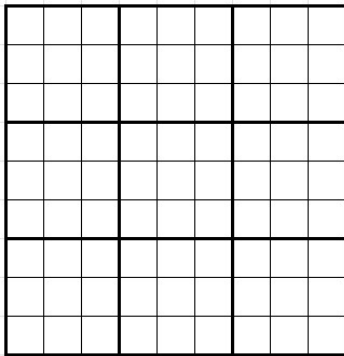
Sudoku is a number game played on a 9×9 grid of squares.

Sudoku uses only the numbers from **1 to 9**.

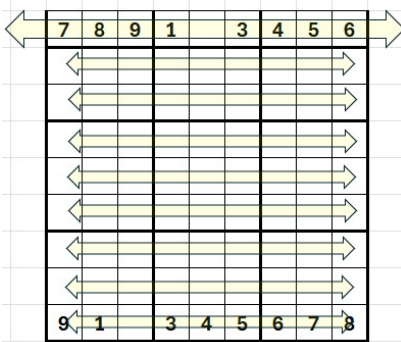
Each Sudoku puzzle has a different arrangement of numbers from 1 to 9.

Your task is to fill in the empty squares with the correct numbers.

To find the correct number, you need to look in three directions

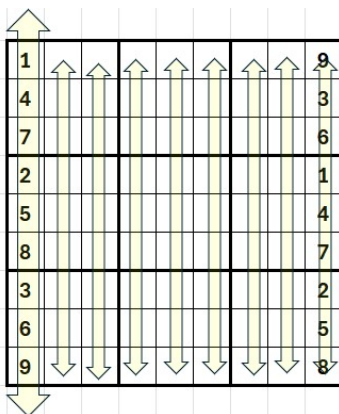
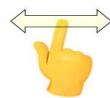


1	2	3	4	5		7	8	9
4	5		7	8	9	1	2	3
7	8	9	1		3	4	5	6
2	3	4		6	7	8	9	1
5		7	8	9	1	2	3	4
8	9	1	2	3	4	5		7
3	4	5	6	7	8		1	2
6	7	8	9	1		3	4	5
9	1		3	4	5	6	7	8



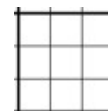
1. LEFT ↔ RIGHT horizontal line

Look left and right along the line. ↔



2. UP ↕ DOWN vertical line

Look up and down along the line. ↕



3. Inside a 3×3 BOX

The Sudoku grid is also divided into 3×3 boxes. Each 3×3 box has 9 squares.

Look at all 9 squares inside the 3×3 box ↻.



	1	2
3	4	5
6	7	8

Case 1: One number is missing in a horizontal line

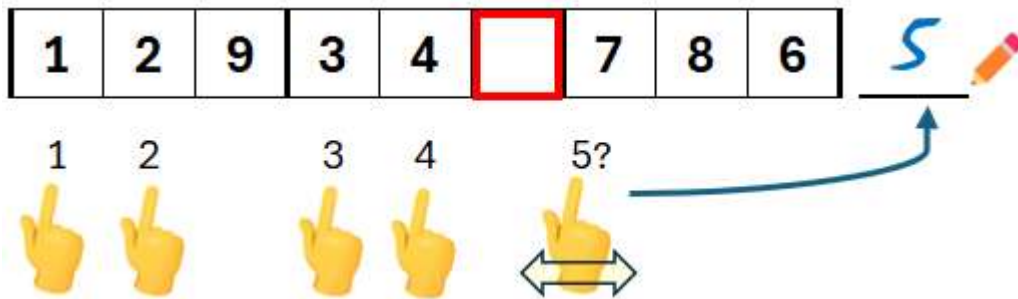
Look left and right along the line 

 Each number **from 1 to 9** appears **exactly once** in a horizontal line .

1. Which number from 1 to 9 do you not see? _____ 

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

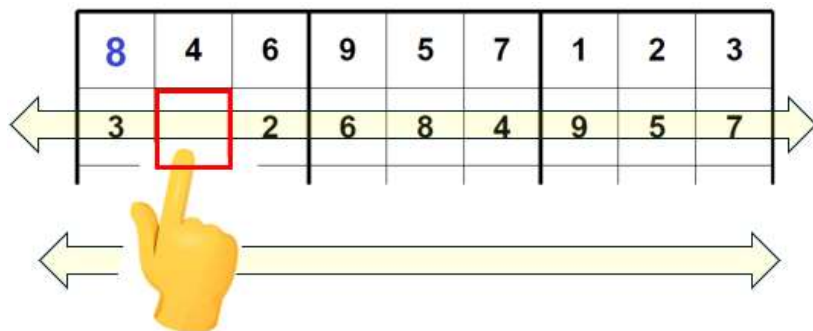
12345?



2. Which number from 1 to 9 do you not see? _____ 

  **Move your finger left and right along the highlighted line.**

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

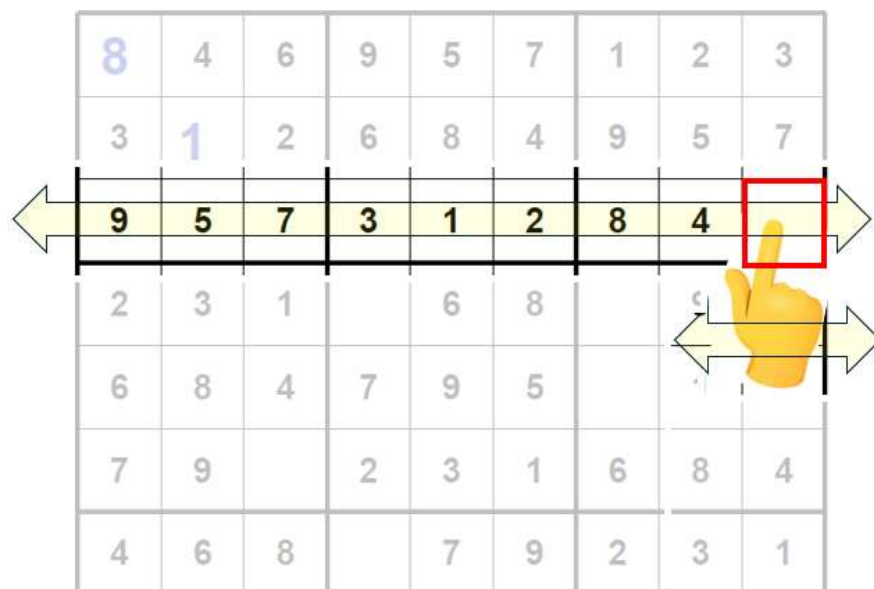


3. Which number from 1 to 9 do you not see? _____ 

Move your finger



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



Case 2: One number is missing in a vertical line 🔍

Look up and down along the line. 🔍

💡 Each number **from 1 to 9** appears **exactly once** in a vertical line 🔍.

Which number from 1 to 9 do you not see? **Move your finger** 🖐️

🖐️ 🔍 Move your finger up and down along the highlighted line.

1. _____ 🖍️

2. _____ 🖍️

1	1
4	
7	
2	2
5	
8	
6	
9	

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

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

3. _____ 🖍️

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

Look around  at all 9 squares inside the 3x3 box.

💡 Each number **from 1 to 9** appears **exactly once** in a 3x3 box.

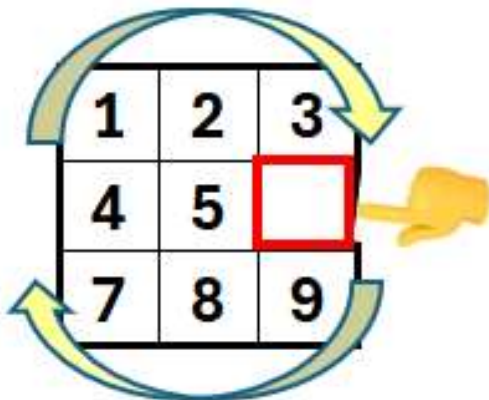


Move your finger around all 9 squares in the box.

Which number from 1 to 9 do you not see?

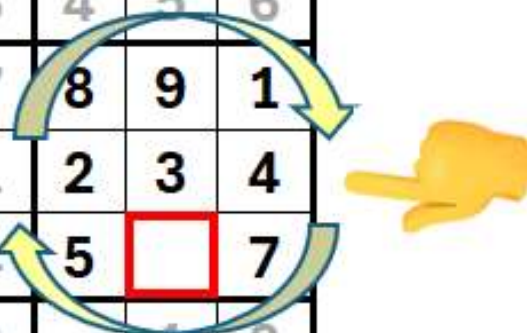
1. _____ 

2. _____ 



	6	7
8	9	1
2	3	4

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



3. _____ 

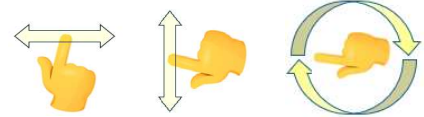
Use all three directions    together

💡 Each number from 1 to 9 appears **exactly once** in a horizontal line .

💡 Each number from 1 to 9 appears **exactly once** in a vertical line .

💡 Each number from 1 to 9 appears **exactly once** in a 3x3 box .

 Fill in the empty squares. Move your finger




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

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

To help you: start with the grey circles , then continue with the other empty squares. 

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 horizontal line ↔

👉 Move your finger left and right. Find the two missing numbers

1. Which two numbers from 1 to 9 do you not see? ↔ ?

1	2	9	3	4		7		6
---	---	---	---	---	--	---	--	---

1 2 3 4 5?

58

2. Which two numbers from 1 to 9 do you not see? ↔ ?

8	3		7		4	5	1	9
---	---	--	---	--	---	---	---	---

3. Which two numbers from 1 to 9 do you not see? ↔ ?

	4	8	6	5	7		2	1
--	---	---	---	---	---	--	---	---

4. Which two numbers from 1 to 9 do you not see? ↔ ?

6	5		1		9	8	4	3
---	---	--	---	--	---	---	---	---

🎉 NOW THE FUN PART!

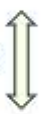
Two numbers are missing . Which one goes where? Look 

2? or 5?

Look up and down.
No 2. No 5.
You can't tell yet.
Leave it empty.

2? or 5?

Look up and down.
You see 5.
5 can't go here.
So 2 goes here.
So 5 goes there.

Each number can appear **only once** in a vertical line 

2 5 

No 2.
No 5. 

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

Try it by yourself: Fill in the two missing numbers.

First  find two missing numbers, then  find exactly where both go.







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

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

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

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

Two numbers are missing  . Which one goes where? Look 

2? or 6?

Look inside the 3×3 box.

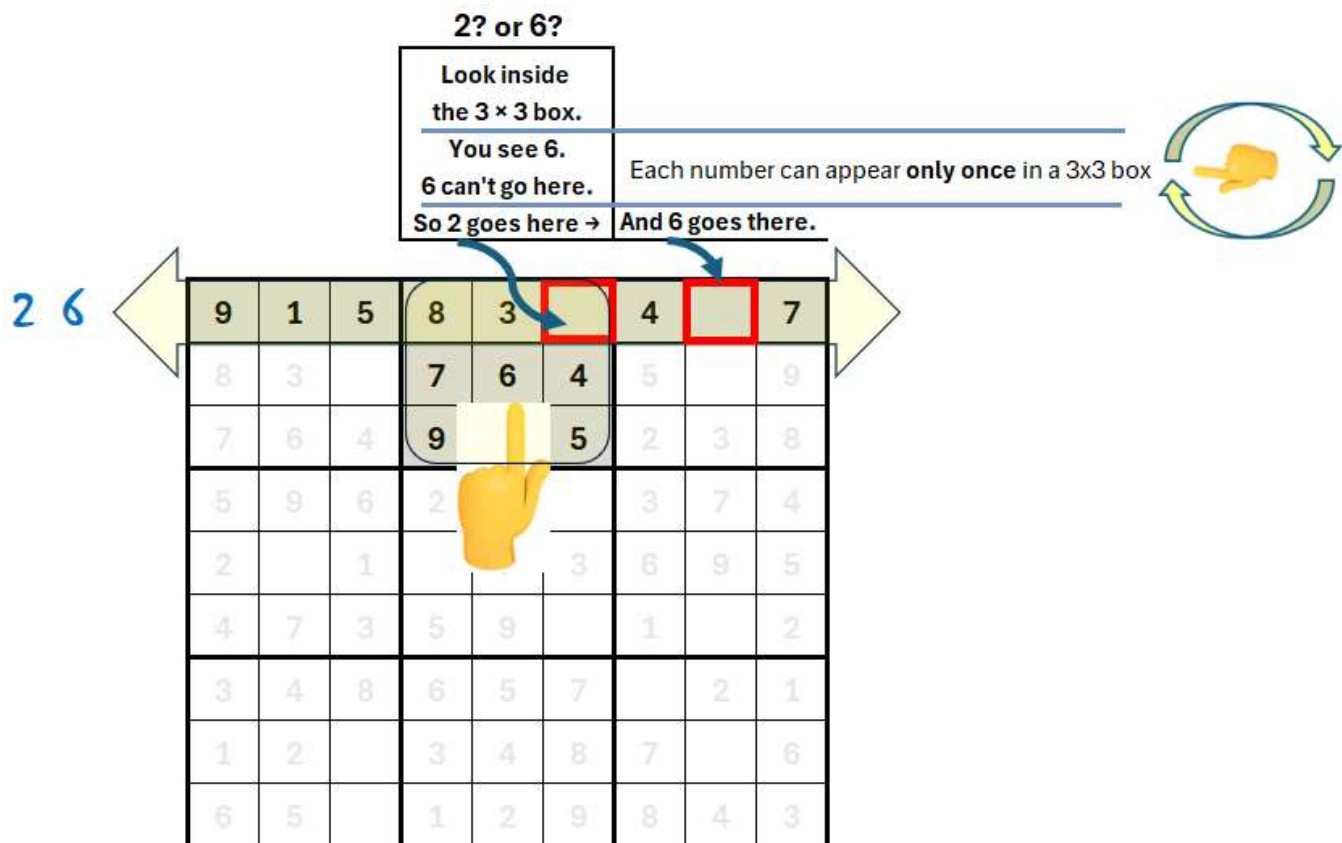
You see 6.

6 can't go here.

So 2 goes here →

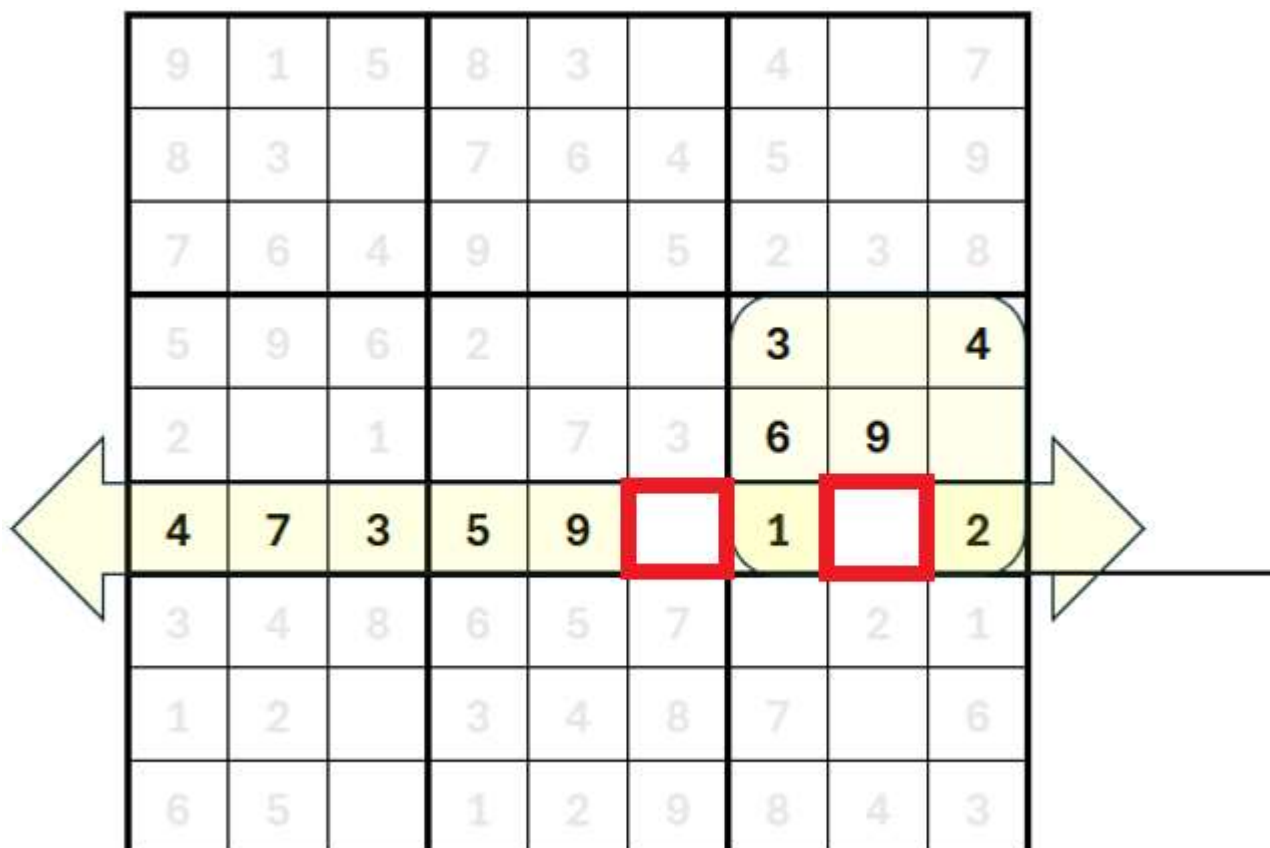
Each number can appear **only once** in a 3×3 box

And 6 goes there.



Try it by yourself: Fill in the two missing numbers.

First  find two missing numbers, then  find exactly where both go.



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

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

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

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

- 💡 Start where only one number is missing.   
- 💡 Each time you fill in a number, look again. You may now find another easy one.
- 💡 If two numbers are missing, find both numbers first  .
- 💡 Then look up and down  or inside the 3x3 box  to find exactly which number goes where.
- 💡 Fill in a square only when you are sure which number goes there.

Now solve the puzzle below. Take your time and enjoy! 🍷 ✏️ 😊

Need a little help? Start with 1, 2 and 3.



Next, solve the highlighted squares.



Finally, fill in all the other empty squares.

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

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



Great job! Next today or tomorrow? 😊

How did it go? Did you enjoy this challenge?