



# Hard Puzzles

## Tips on How to Solve Sudoku Puzzles:

Sudoku is a fun, logic-based number puzzle that uses reasoning – not math! The most common version is played on a 9x9 grid, divided into nine smaller 3x3 boxes.

### Objective:

Fill the entire grid so that every row, every column, and every 3x3 box contains the numbers 1 through 9 without repeating.

### Basic Rules:

Each Row must have the numbers 1–9 with no duplicates.

Each Column must have the numbers 1–9 with no duplicates.

Each 3x3 Box must have the numbers 1–9 with no duplicates.

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

### Steps to Play:

Look at the givens – Some numbers are already filled in at the start of the puzzle.

Scan rows, columns, and boxes – See where certain numbers can and cannot go.

Use logic, not guessing – Place a number only when you're sure it fits.

Work step by step – Start with easy placements, then move on to harder spots.

Check for progress – Every correct placement opens up new possibilities.

### Winning the Game:

The puzzle is solved once all 81 squares are filled correctly, following the rules above.

# Hard #1

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

# Hard #2

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

Hard #3

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

Hard #4

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

Hard #5

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

Hard #6

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

### Hard #7

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

### Hard #8

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

Hard #9

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

Hard #10

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

Hard #11

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

Hard #12

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



Hard #13

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

Hard #14

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

Hard #15

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

Hard #16

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

Hard #17

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

Hard #18

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

Hard #19

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

Hard #20

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

Hard #21

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

Hard #22

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

Hard #23

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

Hard #24

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

Hard #25

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

Hard #26

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

Hard #27

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

Hard #28

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





# Solutions

Hard #1

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

Hard #2

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

Hard #3

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

Hard #4

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

Hard #5

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

Hard #6

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

Hard #7

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

Hard #8

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

Hard #9

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

Hard #10

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

Hard #11

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

Hard #12

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

Hard #13

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

Hard #14

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

Hard #15

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

Hard #16

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

Hard #17

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

Hard #18

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

Hard #19

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

Hard #20

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

Hard #21

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

Hard #22

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

Hard #23

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

Hard #24

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

Hard #25

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

Hard #26

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

Hard #27

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

Hard #28

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



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# Notes