



3



### Classic Sudoku

(35 points)

Place a digit from 1 to 9, in each empty cell so that each digit appears exactly once in each row, column and outlined region.



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

4



### Classic Sudoku

(90 points)

Place a digit from 1 to 9, in each empty cell so that each digit appears exactly once in each row, column and outlined region.



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

5

## Expanded Sudoku

(35 points)

Standard Sudoku rules apply to two overlapping grids, with gaps in the middle.

B

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

A

# 6X6 Sudoku

Standard Sudoku rules apply.

5 + 5 +  
10 + 10

B

		2	3		
	1			4	
A				5	
	2				
	4			1	
		1	6		

A

		2	3		
	1			4	
				5	
	6				
	4			1	
		1	6		

B

B

		3	4		
	2			5	
	1			6	
		4	2		
A					

A

		3	4		
	2			5	
	1			6	
	5			4	

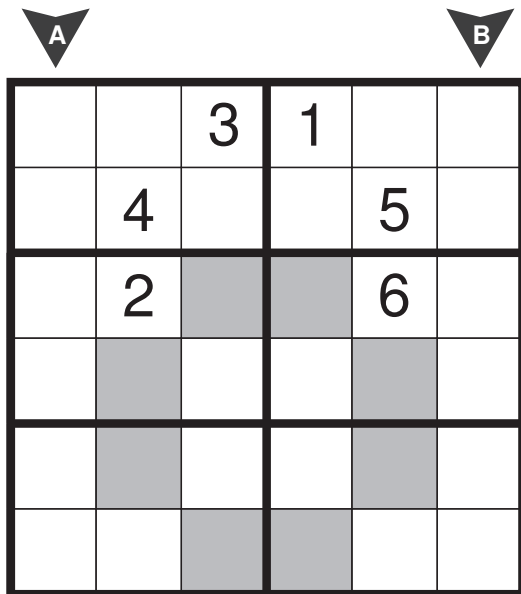
B

## 6X6 Sudoku Variants

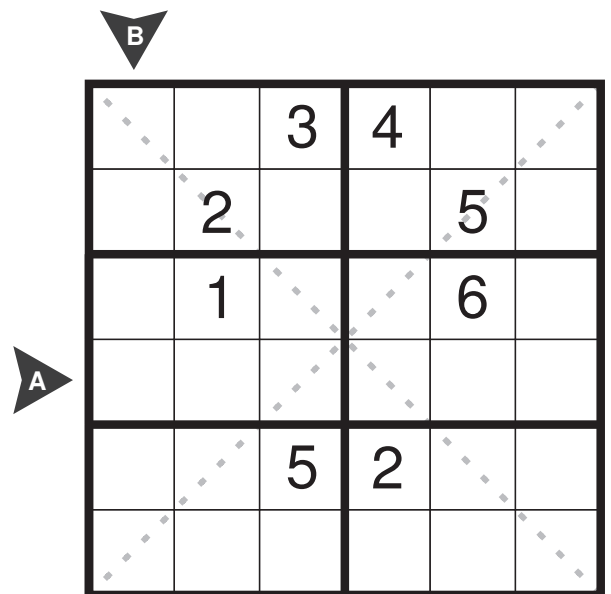
Standard Sudoku rules apply. Additionally, some variant rules are given with each grid. The rules are the same as their 9x9 counterparts.

40 + 20 +  
5 + 10

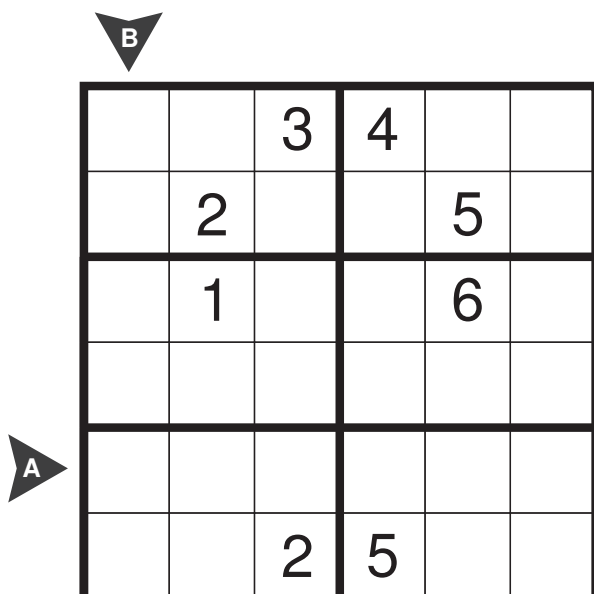
Odd Sudoku: Shaded cells contain odd digits (1, 3, 5).



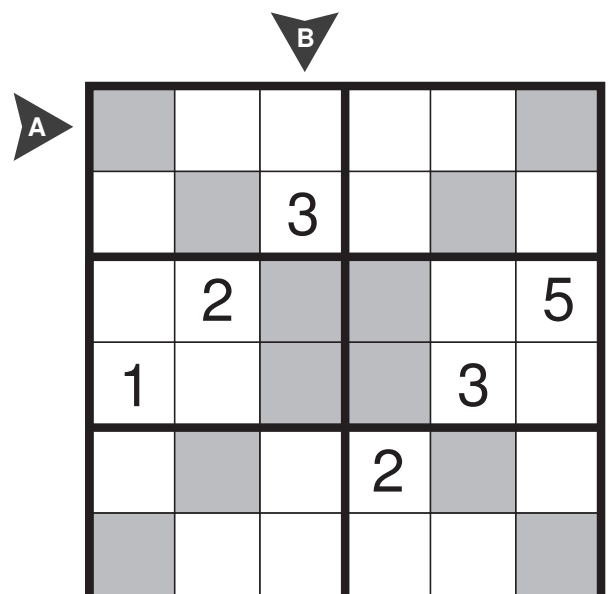
Diagonal Sudoku: Digits cannot repeat along the marked diagonals.



Untouch Sudoku: Same digits cannot touch each other even diagonally.



Fortress Sudoku: A digit in a shaded cell must be higher than digits in all orthogonally adjacent white cells.



7

### Irregular Sudoku

(40 points)

Standard Sudoku rules apply but the regions are irregular shapes containing 9 cells instead of 3x3 boxes.



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

8

### Mirror Sudoku

(20 points)

Standard Sudoku rules apply.

The four corner boxes (top left, top right, bottom left, bottom right) all contain the same digit in symmetrical positions with respect to the center of the grid.



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



11

### Odd Sudoku

(30 points)

Standard Sudoku rules apply.

Additionally, shaded cells contain only odd digits (1, 3, 5, 7, and 9).

B

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

A

12

### Killer Sudoku

(60 points)

Standard Sudoku rules apply.

The sum of digits in cells inside every cage must equal the total given for the cage at the upper left cell.

Digits do not repeat inside a cage.

B

18								
			15	14				
	11					5	13	
			33				6	
						21		4
	15							
					14			
5			11			6		
	1						12	

A



13

**Arrow Sudoku**

**(35 points)**

Standard Sudoku rules apply.

The sum of the digits along the path of each arrow must equal the digit in the circled cell.

Digits can repeat within an arrow shape.

14

**Thermo Sudoku**

**(55 points)**

Standard Sudoku rules apply.

The digits in each "thermometer" shaped region must be strictly increasing from the circular "bulb" to the other end(s).

15

**Fortress Sudoku**

(30 points)

Standard Sudoku rules apply.

A digit in a shaded cell must be higher than digits in all orthogonally adjacent white cells.

B

A

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

16

**Consecutive Sudoku**

(65 points)

Standard Sudoku rules apply.

Orthogonally adjacent cells which contain consecutive digits are marked by white dots.

All possible dots are marked.

A

B

			7					8
9						○		
						○	7	
	○	○				○		
						○		
						○		
							○	○
		7	○					
								7
2					5			

17

**XV Sudoku**

(55 points)

Standard Sudoku rules apply.

All adjacent cells with two digits summing to 5 are marked by V, while those summing to 10 are marked by X.

All possible X and V are marked.

2								7
9								8
5								9
	5							9
	8							7
	1							8

18

**Search 9 Sudoku**

(40 points)

Standard Sudoku rules apply.

Each arrow points to the 9 in the respective row or column.

The number in the cell with the arrow is the distance from the cell to the 9 in this row or column.

			→				←	←
		↓					8	←
	→			→				
→			→		↓			
	↑	↓				↓	↑	
			↓		←			↑
				←			←	
↑	8					←		
→	→				↑			

## Inside Skyscraper Sudoku

(120 points)

Standard Sudoku rules apply.

Digits correspond to heights of skyscrapers.

If there is an arrow in a cell, then the corresponding digit in the cell is same as the number of skyscrapers visible from the cell in the direction of the arrow.

**Not** all possible arrows are marked.

B

↓								
				2			→	←
↓		↑			↓		→	
↓					↑			
A	4							
→		↑	↓					
		→					↓	
	→						←	
	↑							

20

**Descriptive Pairs  
Sudoku**

**(65 points)**

Standard Sudoku rules apply.

For every pair of outside clues X and Y, at least one of the cases is true :  
 1) X is in the Yth position in that direction.  
 2) Y is in the Xth position in that direction.

		▼ A		▼ B						
	3	1	9	1	2	2	5	2	8	
	5	4	8	4	8	1	6	1	4	
4 9										2 8
5 6										9 8
4 9										2 8
										9 8
9 8										6 3
2 8										
8 4										6 3
1 4										9 1
9 1										5 6
	4	6	4	8	5	9	3	9	3	
	2	3	2	4	6	1	5	8	5	

Classic Sudoku 1

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

Classic Sudoku 2

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

Classic Sudoku 3

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

Classic Sudoku 4

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

Expanded Sudoku

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

6x6 Classic 1

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

6x6 Classic 2

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

6x6 Irregular 1

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

6x6 Irregular 2

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

6x6 Diagonal

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

6x6 Odd

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

6x6 Untouch

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

6x6 Fortress

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

Irregular Sudoku

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

Mirror Sudoku

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



Diagonal Sudoku

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

Untouch Sudoku

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

Odd Sudoku

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

Killer Sudoku

2 <sup>18</sup>	7	1	3	6	4	9	8	5
6	8	3	7 <sup>15</sup>	9 <sup>14</sup>	5	4	2	1
9	4 <sup>11</sup>	5	8	1	2	3 <sup>5</sup>	7 <sup>13</sup>	6
8	5	7	9 <sup>32</sup>	4	1	2	6	3
1	2	9	6	8	3	7 <sup>21</sup>	5	4
3	6 <sup>15</sup>	4	5	2	7	8	1	9
4	3	2	1	5	8 <sup>14</sup>	6	9	7
5	9	8	4 <sup>11</sup>	7	6	1 <sup>6</sup>	3	2
7	1	6	2	3	9	5	4 <sup>12</sup>	8

Arrow Sudoku

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

Thermo Sudoku

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

Fortress Sudoku

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

Consecutive Sudoku

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

XV Sudoku

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

Search 9 Sudoku

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

Inside Skyscraper Sudoku

↓6	5	←2	←3	←1	←4	7	8	9
3	8	9	7	2	6	4	→1	←5
↓4	7	↑1	9	8	↓5	→2	3	6
↓5	9	8	6	4	↑2	3	7	1
1	4	7	8	5	3	6	9	2
→2	6	↑3	↓1	9	7	5	4	8
7	1	→4	5	6	8	9	↓2	3
8	→2	6	4	3	9	←1	5	7
9	↑3	5	2	7	1	8	6	4

Descriptive Pairs Sudoku

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