

Round 3: Variants II

Name: _____

Division: Beginner / Experienced

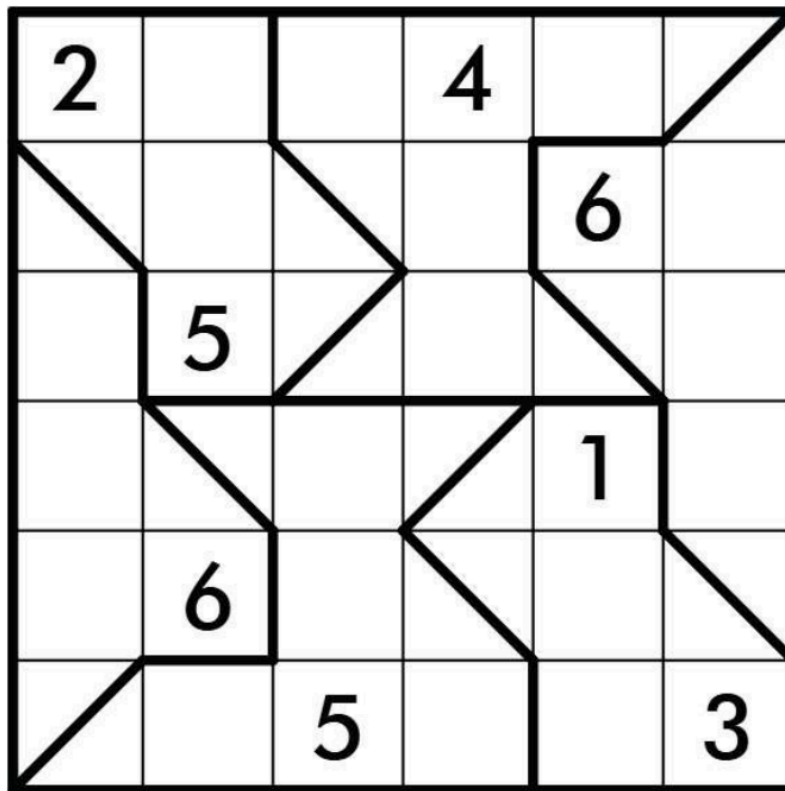
60 Minutes – 1250 Points

3.1	Halved Squares Sudoku (6x6).....	25 Points
3.2	Halved Squares Sudoku (9x9).....	75 Points
3.3	Pinocchio Sudoku (6x6).....	15 Points
3.4	Pinocchio Sudoku (9x9).....	40 Points
3.5	Wheels Sudoku (6x6).....	15 Points
3.6	Wheels Sudoku (9x9).....	60 Points_
3.7	Zipperlines Sudoku.....	50 Points
3.8	Instructionless Sudoku 1 (6x6).....	50 Points
3.9	Instructionless Sudoku 1 (9x9).....	100 Points_
3.10	Instructionless Sudoku 2 (6x6).....	55 Points
3.11	Instructionless Sudoku 2 (9x9).....	200 Points
3.12	Instructionless Sudoku 3 (6x6).....	100 Points_
3.13	Instructionless Sudoku 3 (9x9).....	200 Points
3.14	Instructionless Sudoku 4 (6x6).....	40 Points
3.15	Instructionless Sudoku 4 (9x9).....	225 Points_

Halved Squares Sudoku (6x6)

25 points

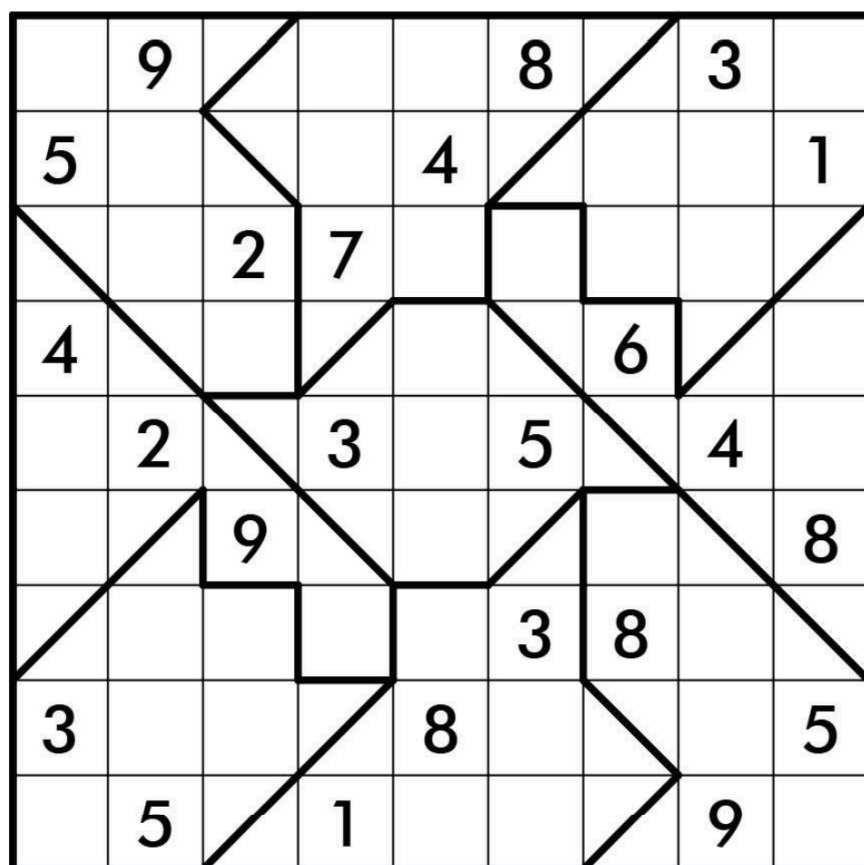
Rules: Place the digits 1-9 in each empty cell in the grid such that each row, column, and marked 3x3 box contains each digit exactly once. Some cells are halved by one of the diagonals. For any such cell, exactly one of its two halves shall contain a digit. That digit is considered to belong to the row and column containing its cell, as well as to the region connected to the half cell the digit is in.



Halved Squares Sudoku (9x9)

75 points

Rules: Place the digits 1-9 in each empty cell in the grid such that each row, column, and marked 3x3 box contains each digit exactly once. Some cells are halved by one of the diagonals. For any such cell, exactly one of its two halves shall contain a digit. That digit is considered to belong to the row and column containing its cell, as well as to the region connected to the half cell the digit is in.



Pinocchio Sudoku (6x6)

15 points

Rules: Apply Classic Sudoku rules. Three digits are written in a different layout. Two of these digits are correct, while the third one is incorrect.

			2		6
		1			
1				3	
	6				4
			5		
3		4			

Pinocchio Sudoku (9x9)

40 points

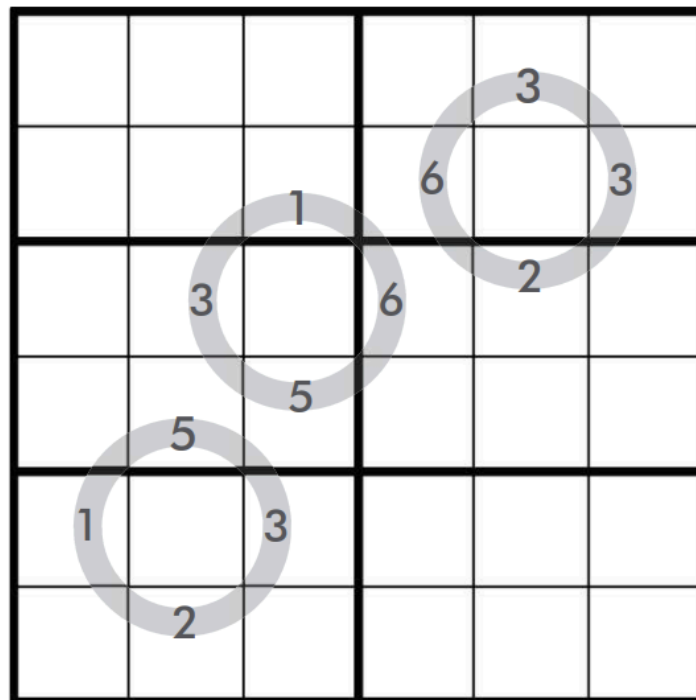
Rules: Apply Classic Sudoku rules. Three digits are written in a different layout. Two of these digits are correct, while the third one is incorrect.

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

Wheels Sudoku (6x6)

15 points

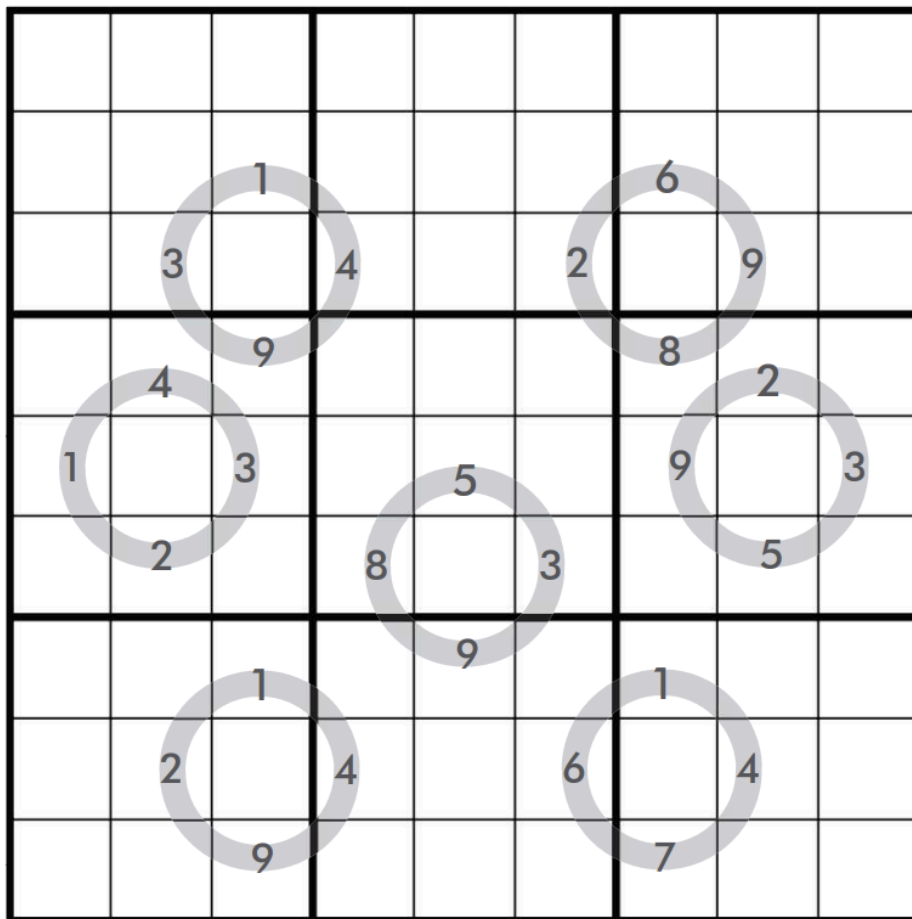
Rules: Apply Classic Sudoku rules. The digits on the circles have to be placed in the same circular order in the four cells that are touched by the circle. The circles may have to be rotated to the correct position by 90, 180 or 270 degrees.



Wheels Sudoku (9x9)

60 points

Rules: Apply Classic Sudoku rules. The digits on the circles have to be placed in the same circular order in the four cells that are touched by the circle. The circles may have to be rotated to the correct position by 90, 180 or 270 degrees.



Zipper Lines Sudoku

50 points

Rules: Apply Classic Sudoku rules. For each line, the digits in each pair of cells an equal distance away from the central cell of the line sum to the digit in the central cell of the line.

4			9		8			6
8								9
3								2
9			7		4			8

Instructionless

Rules: Apply Classic Sudoku rules. For each instructionless variant, an example will be given along with its solution. It is part of solving to determine what the variant instructions are and then solve the Sudoku. It is not required to describe or mark the instructions. When the necessary instructions are applied, the Sudoku will have a unique solution. There are no points for determining the instructions correctly.

All solved example grids will have some form of dressing like internal clues, external clues, shaded cells, regions, lines, cages, letters, dots, arrows, etc., in puzzle and/or solution, so it will be clear where to focus. There won't be Classic-Lookalike type of variant (e.g. Non-consecutive or Antiknight) nor will there be any variant with multiple forms of dressings/clues (alternative colors only for aesthetics).

Instructionless Sudoku 1

Example Puzzle

	0	5	0	13	16	0	0	11	0
42				4		6			
0		5			3			2	
0			4				1		
0	5			6		7			8
0					1				
0	9			3		8			1
0			8				2		
3		2			6			4	
0				2		4			

Example Solution

	0	5	0	13	16	0	0	11	0
42	2	1	3	4	5	6	7	8	9
0	8	5	9	7	3	1	6	2	4
0	7	6	4	9	8	2	1	3	5
0	5	4	1	6	2	7	3	9	8
0	3	8	6	5	1	9	4	7	2
0	9	7	2	3	4	8	5	6	1
0	4	9	8	1	7	3	2	5	6
3	1	2	7	8	6	5	9	4	3
0	6	3	5	2	9	4	8	1	7

Instructionless Sudoku 1 (6x6)

50 Points

	0			17	
11					
		4			
0				2	
0			6		
					4
6					

Instructionless Sudoku 1 (9x9)

100 Points

		20		25				
2 0 25	5						9	
		4			9			6
					2			5
	8				4			
	6				1		2	
		3						8

Instructionless Sudoku 2

Example Puzzle

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

Example Solution 1

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

Example Solution 2

(Contains same numbers as Solution 1 but has different path)

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

These are the only two possible solutions (You are only required to fill in the numbers correctly).

Instructionless Sudoku 2 (6x6)

55 Points

5					
	6				
		①		3	
	3		⑥		
				6	
					3

Instructionless Sudoku 2 (9x9)

200 Points

5		4			9			③
					5		6	
	9				6			
	3						5	
			3				9	
	2		4					
⑥			9			4		1

Instructionless Sudoku 3

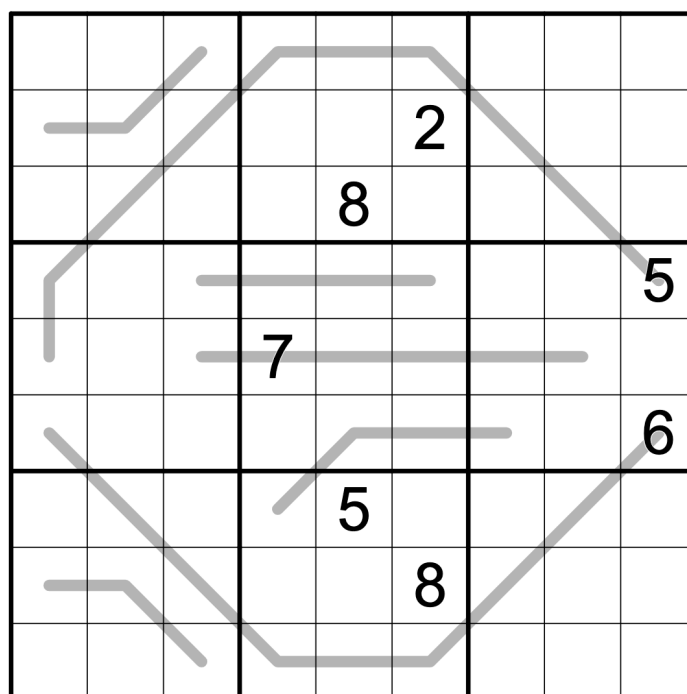
Example Puzzle 1

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

Example Solution 1

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

Example Puzzle 2

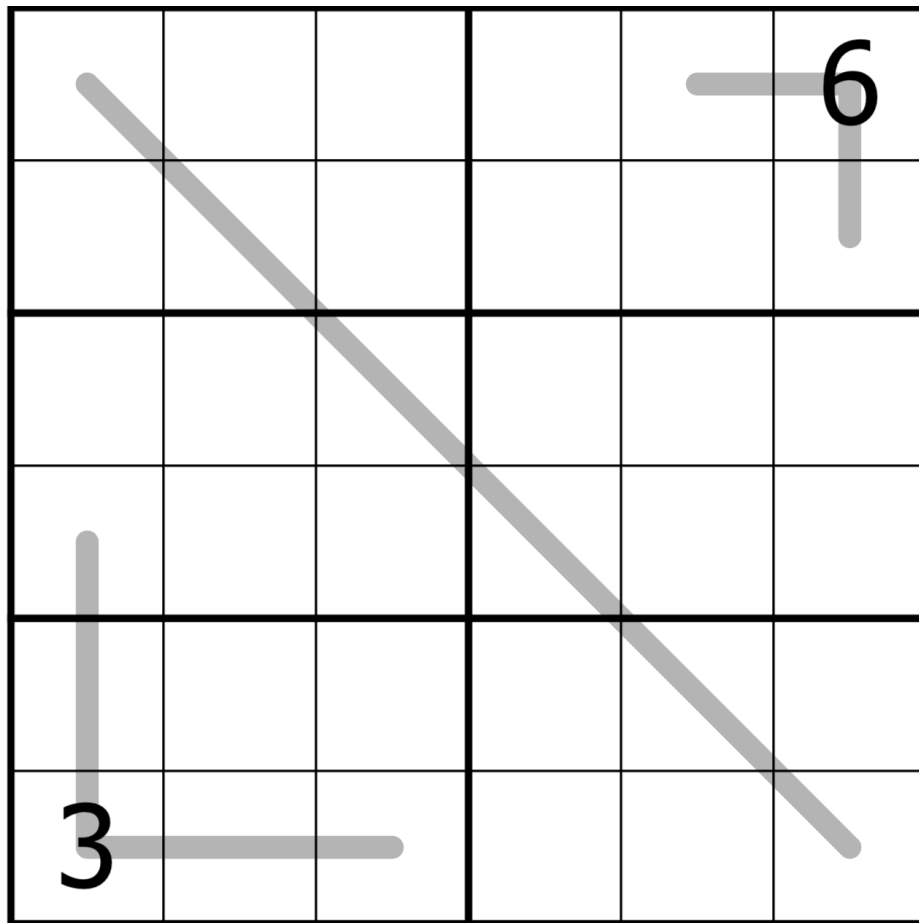


Example Solution 2

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

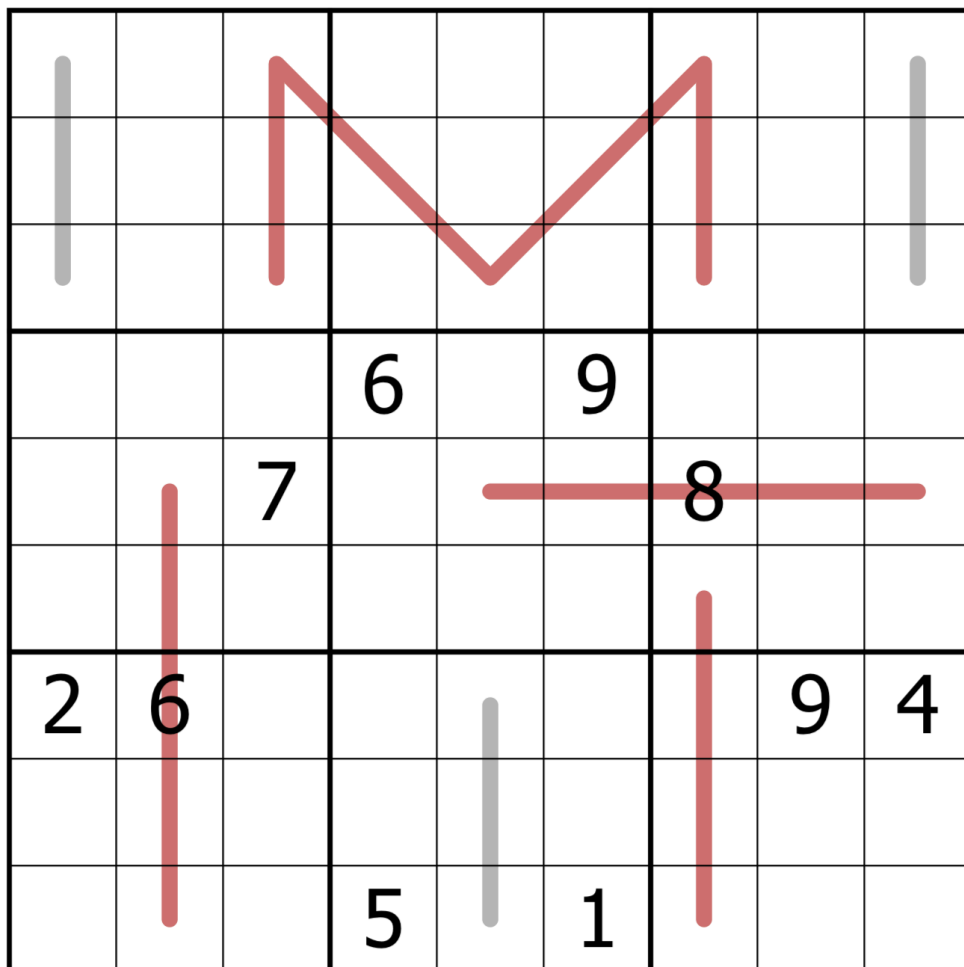
Instructionless Sudoku 3 (6x6)

100 Points



Instructionless Sudoku 3 (9x9)

200 Points



Instructionless Sudoku 4

Example Puzzle

2				1	
	0				
7				10	
					6

Example Solution

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

Instructionless Sudoku 4 (6x6)

40 Points

-3					
		10			4
	-5				
6					8

Instructionless Sudoku 4 (9x9)

225 Points

0	0	0		6		7		
				3		9		
			2		5			
	-8	-1	4		-1		-1	
					5		3	
				2		5		
							6	