

Just One Cell Sudoku Competition

Puzzles by Thomas Snyder (12), Clover (10), Philip Newman (1), Gliperal (1)

In a Just One Cell Sudoku, the grid has many solutions, with only one empty cell that is fixed to the same value in all solutions. Find that cell's location and value.

(1-12) Classic Sudoku

(13-14) **Even/Odd**: Cells with a square contain an even digit; cells with a circle contain an odd digit.

(15-16) **Thermo-Sudoku**: Some thermometer shapes are in the grid; numbers must be strictly increasing from the round bulb to the flat end.

(17-18) **Kropki Pairs**: If a white circle is given between two adjacent cells, then the two numbers in those cells must differ by 1. If a black circle is given between two adjacent cells, then the two numbers must have a ratio of 2. Pairs of cells without circles can have any relationship.

(19-20) **Arrow**: Some arrow shapes are in the grid; the sum of the numbers along the path of each arrow must equal the number in the circled cell. Numbers *can repeat* within an arrow shape.

(21-24) **Killer**: The sum of the digits in each cage must equal the value given in the upper-left corner of that cage. Digits *cannot repeat* inside a cage.

NAME: _____

Puzzle	Points	Grader	Puzzle	Points	Grader
1. Classic	3	☐	13. Even/Odd	1	☐
2. Classic	1	☐	14. Even/Odd	3	☐
3. Classic	2	☐	15. Thermo-	2	☐
4. Classic	1	☐	16. Thermo-	2	☐
5. Classic	3	☐	17. Kropki Pairs	1	☐
6. Classic	2	☐	18. Kropki Pairs	3	☐
7. Classic	1	☐	19. Arrow	1	☐
8. Classic	1	☐	20. Arrow	2	☐
9. Classic	2	☐	21. Killer	1	☐
10. Classic	3	☐	22. Killer	1	☐
11. Classic	3	☐	23. Killer	2	☐
12. Classic	5	☐	24. Killer	2	☐



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

3 pts

1 pt

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

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

2 pts

1 pt

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

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

3 pts

2 pts

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



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

1 pt

1 pt

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

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

2 pts

3 pts

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

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

3 pts

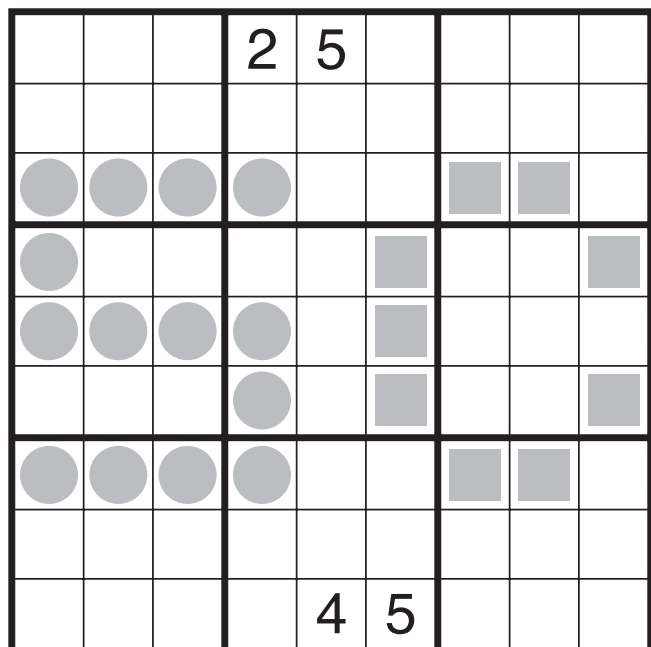
5 pts

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



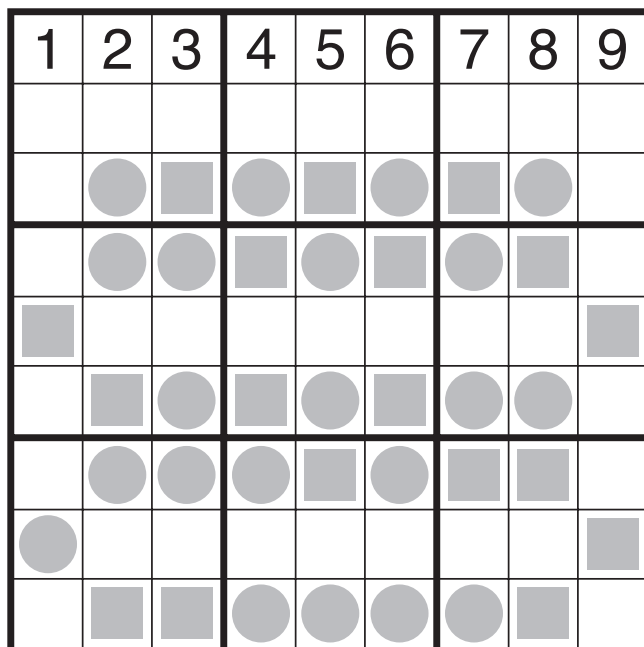
Even/Odd

1 pt



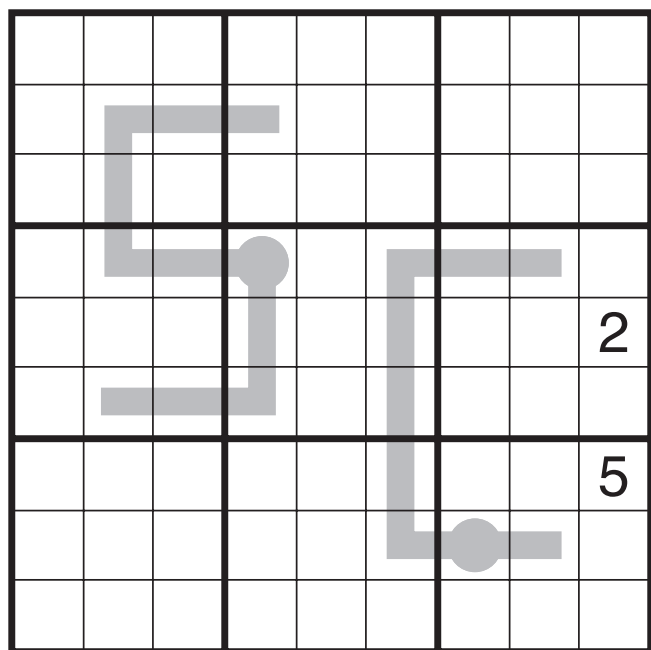
Even/Odd

3 pts



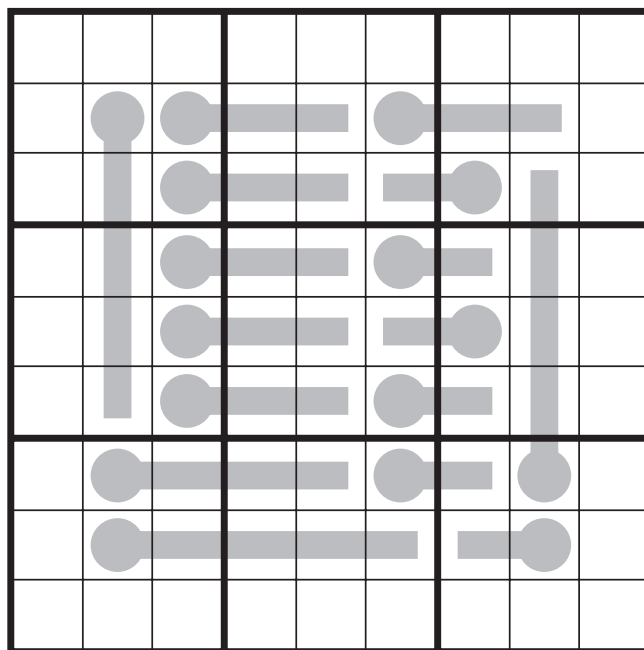
Thermo-Sudoku

2 pts



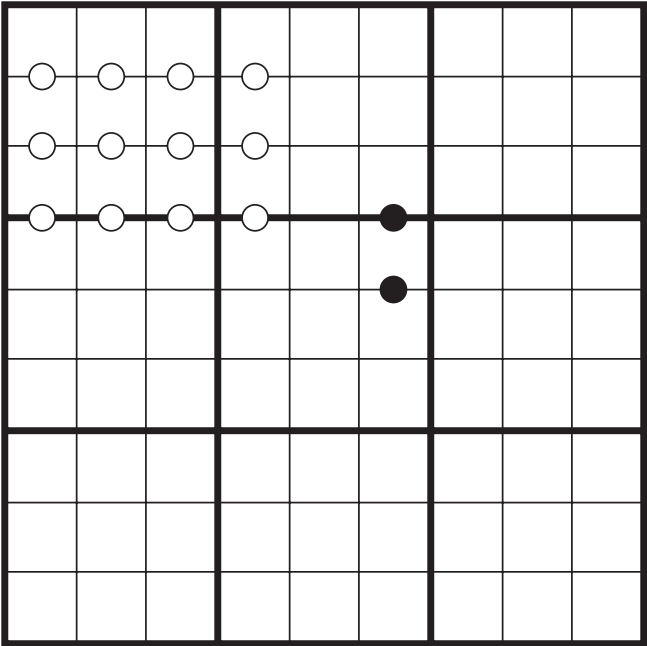
Thermo-Sudoku

2 pts



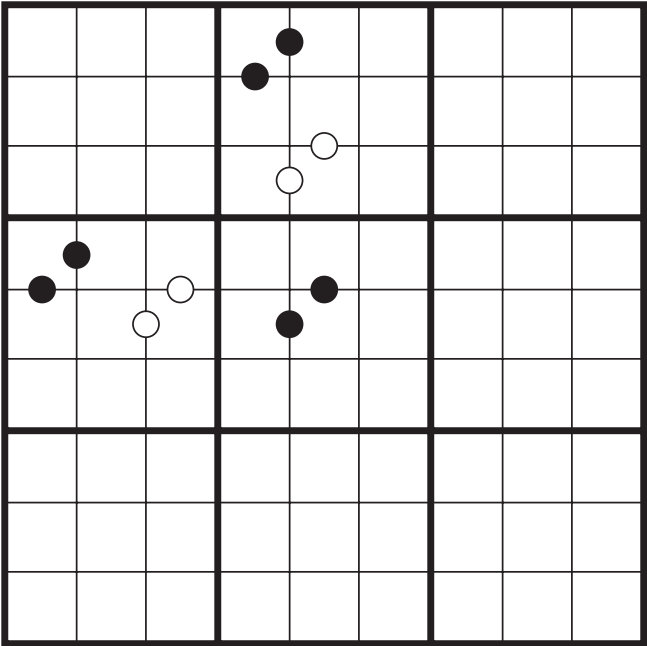
Kropki Pairs

1 pt



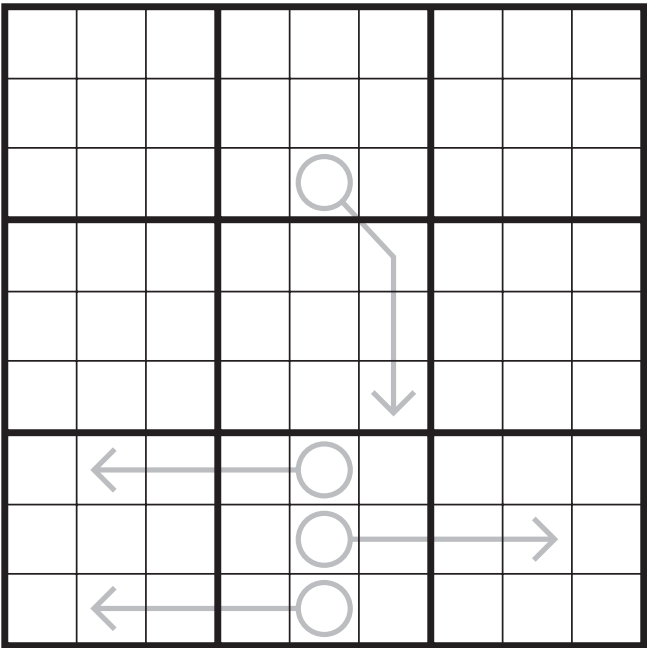
Kropki Pairs

3 pts



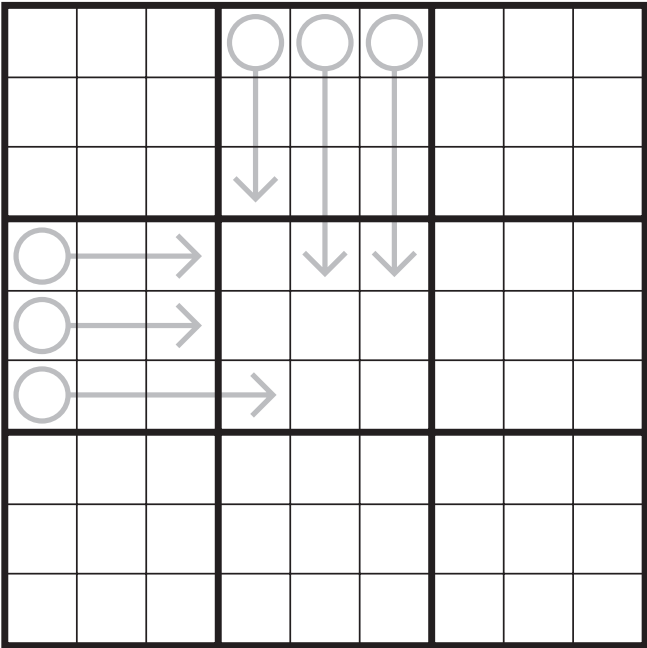
Arrow

1 pt



Arrow

2 pts



Killer

1 pt

22								
	23						22	
	21				21			
		23						
		24						24

Killer

1 pt

				24				
					25			
	28							
				27				

Killer

2 pts

	15							
			6	6				
					14			
			10					
			10					

Killer

2 pts

	11							
13								
				6				

