
LOGIC MASTERS INDIA

Mock Test 14

Round 2

Date: 28th February, 2010

Time: 15:40 – 16:30 IST (10:10 – 11:00 GMT)

Organized By: Oddest

POINTS TO REMEMBER

1. There are totally 10 Sudokus to be solved in 50 minutes.
2. Answer Page:

<http://www.logicmastersindia.com/mock14R2/mock14R2.asp>
3. Answers will be accepted only on the website. Click on 'Show Cells To Fill' and enter numbers in the 'marked cells' from your solution.
4. The 'Show Cells To Fill' will be activated 25 minutes after the test starts.
5. Answers will not be accepted after the stipulated period.
6. Time bonus of 10 points per minute saved will be awarded ONLY if all 10 Sudokus are solved correctly.
7. Please rate the Sudokus after submitting your answers, you can rate the Sudokus even after the mock test ends.

Points Table

No.	Variants	Points
1	Windoku	50
2	VX Sudoku	50
3	Average Sudoku	50
4	Odd Neighbor Sudoku	50
5	Jigsaw Sudoku	50
6	No Knight Step Sudoku	50
7	Diagonal Sudoku	50
8	All Odd or All Even Sudoku	50
9	Consecutive Sudoku	50
10	Greater/Less Than Sudoku	50
Total	500 + Time Bonus(10 Points/min)	

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Examples

Windoku

Fill the grid with the digits 1-9 making sure that every digit only occurs once in every row, once in every column and once in every sub-matrix (made up of 3 x 3 squares).

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

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

VX Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

All horizontally and vertically neighboring digits with the sum 10 are marked X,

all horizontally and vertically neighboring digits with the sum 5 are marked V.

		x					v	x
	9	x					v	x
					v			
	x	x	x		x		v	
					x			
		x					x	
			x					2
					x			v
	x		x	v	x		x	v
					x			

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

Average Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions. The cell which value is the average of two cells aside marked with a line.

			3				—	9
		9		6			—	
		2						
				5			—	9
			7	—	1			
	3			9				
							—	
		1		3		2	—	
6					5			

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

Odd Neighbor Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions. The cell which digit is the number of odd neighbor (8 cells, 3,5 to edge cell) marked with a circle.

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

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

Jigsaw Sudoku

Fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 9.

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

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

No Knight Step Sudoku

Fill in the grid so that every row, every column and 3x3 box contains the digits 1 through 9. No cell that is a knight-step away can contain the same digit. In chess, a knight moves two squares forward followed by one sideways.

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

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

Diagonal Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions. Additionally, each digit appears exactly once in each of the two main diagonals.

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

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

All Odd or All Even Sudoku

Fill in the grid so that every row, every column and every 3x3 box contains the digits 1 through 9. In each 3x3 box, the grayed cells have same Odd Even property, i.e. if one is odd, all are odd, OR if one is even all are even.

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

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

Consecutive Sudoku

Fill in the grid so that every row, every column and 3x3 box contains the digits 1 through 9. All the places where orthogonally adjacent cells are consecutive numbers have been specially marked.

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

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

Greater/Less Than Sudoku

Fill in the grid so that every row, every column, and every 3 x 3 box contains the digits 1 through 9. Numbers must be placed according to greater (>) and less (<) signs.

		<						
v		^	^		v			
v	v		^	>	>	<		v
<	>			>	>		>	v
	>	<		<	>			v
	>	>	>	<	<	>	>	<
v			<	>		>	>	
	v	<	>	<			>	>
v	^		<	<		v	v	^
		<	<	<	>		v	v
			v	v	v		<	v

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