

# LMI Beginners' Puzzle Contest

3<sup>rd</sup> to 8<sup>th</sup> January 2014

## Quick Summary

- There will be 2 rounds, each round consisting of 8 puzzles of one type.
- Time bonus (2 points per minute saved) will be awarded, if a round is completed before 40 minutes
- Category bonus will be awarded if both puzzles in a category solved within 40 minutes
- Puzzles submitted after 40 minutes will be worth half of its original points
- "Instant Grading" will be enabled, that means
  - Upon submitting a puzzle, you will immediately know if it is correct or not
  - Every wrong submission will be penalized by adding 1 minute to your submission time
- Details available at <http://logicmastersindia.com/forum/forums/thread-view.asp?pid=13241>

## Points Table

Category	#	Skyscraper		LITS	
		Points	Category Bonus	Points	Category Bonus
Introductory	1	3	5	3	5
Introductory	2	4		4	
Intermediate	3	5	7	5	7
Intermediate	4	7		5	
Challenging	5	8	9	7	9
Challenging	6	9		8	
Exploratory	7	6	9	8	9
Exploratory	8	8		10	
		<b>50</b>	<b>30</b>	<b>50</b>	<b>30</b>

## Note about Exploratory Puzzles

The rules will be slightly different from the base puzzles. We will provide a sample puzzle and its solution. Players need to deduce the rules from the solved example.

Submission page: <http://logicmastersindia.com/BeginnersPuzzle/201401/>

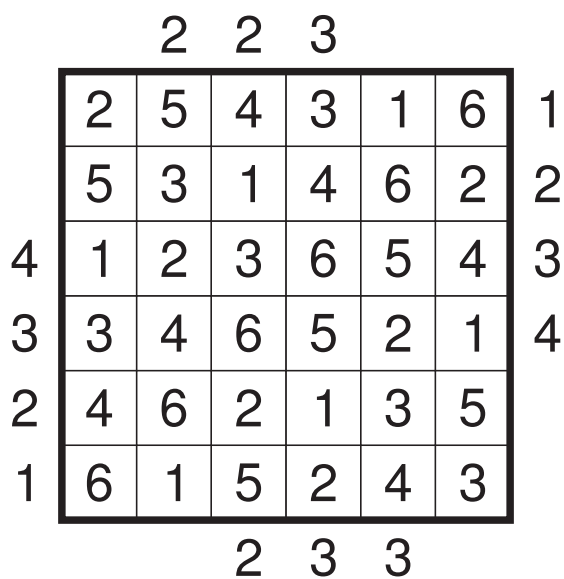
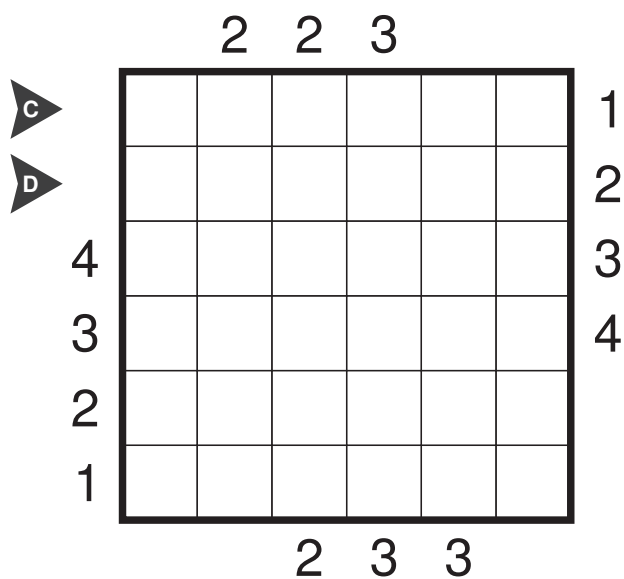
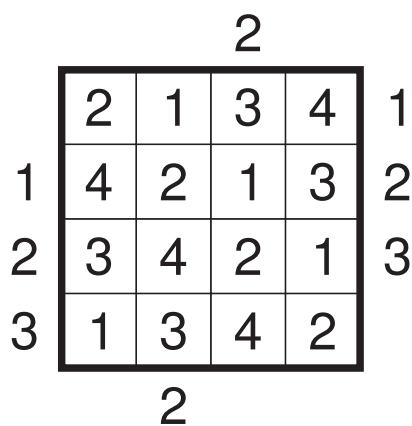
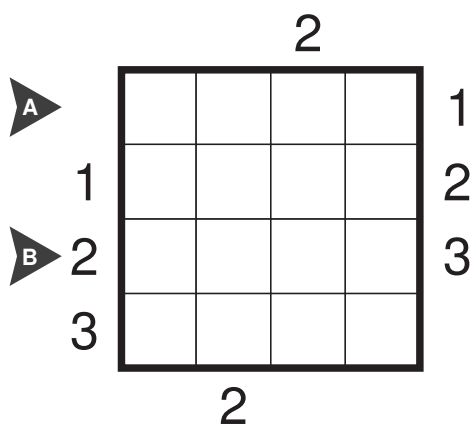
Forum Discussion: <http://logicmastersindia.com/forum/forums/thread-view.asp?pid=13994>

# Skyscraper

## Rule

Place a digit from 1 to N in each cell in the NxN grid such that each digit appears exactly once in each row and column. Digits in the cell represent height of skyscraper. Clues outside the grid represent the number of skyscrapers seen (not blocked by a taller skyscraper) from the corresponding direction.

Answer Key format: For each marked row, enter the digits inside the grid, from left to right.



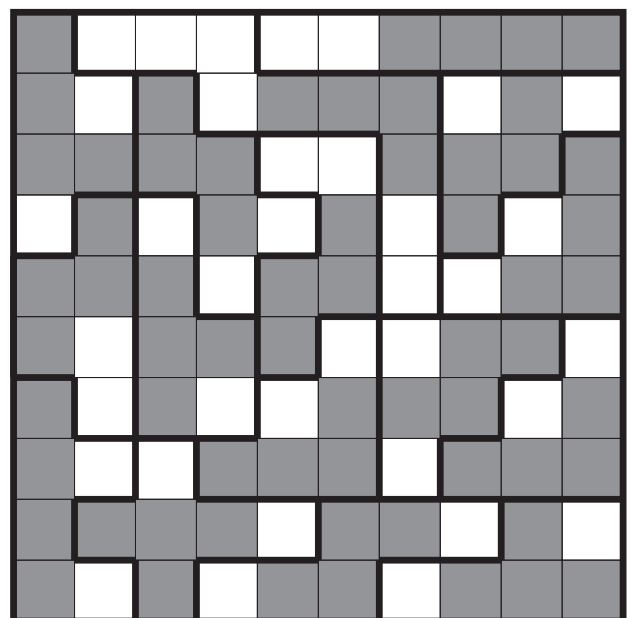
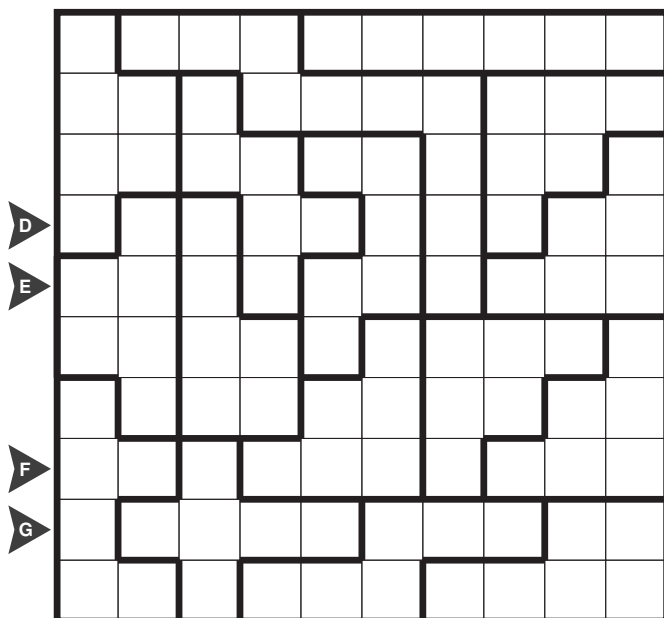
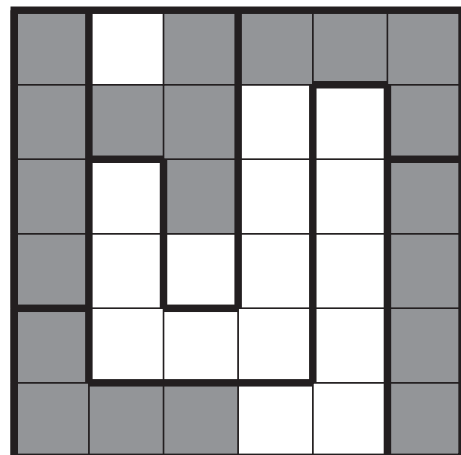
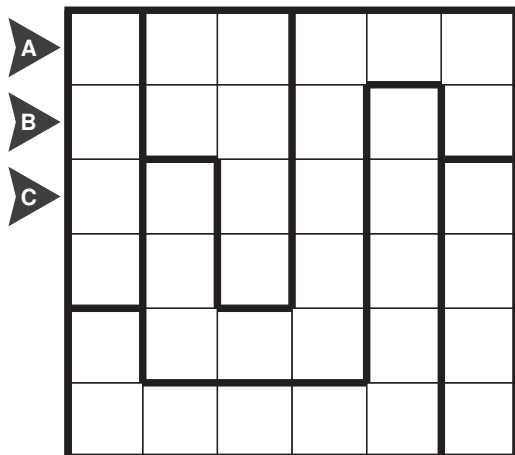
Answer key for the top grid is 2134#3421. Answer key for the bottom grid is 254316#531462

# LITS

## Rule

Shade a shape of 4 orthogonally connected cells in each black bordered region so that all shaded cells in the grid form a single contiguous area. This area can't contain any 2x2 shaded squares. Two identical shapes can't touch each other by a side. Rotations and reflections are considered the same shape.

Answer Key format: For each marked row, enter the lengths of longest continuous shaded cells.



Answer key for the top grid is 431. Answer key for the bottom grid is 1334

## **Recommended Links for more puzzles**

### **Skyscrapers**

1. Roland Voigt's Skyscraper Puzzles  
<http://www.hochhausigel.de/e-index.html>
2. The Art of Puzzles  
<http://www.gmpuzzles.com/blog/category/skyscrapers/>

### **LITS**

3. The Art of Puzzles  
<http://www.gmpuzzles.com/blog/category/lits/>
4. PS's Puzzles +  
<http://prasannaseshadri.wordpress.com/category/lits/>