Cave

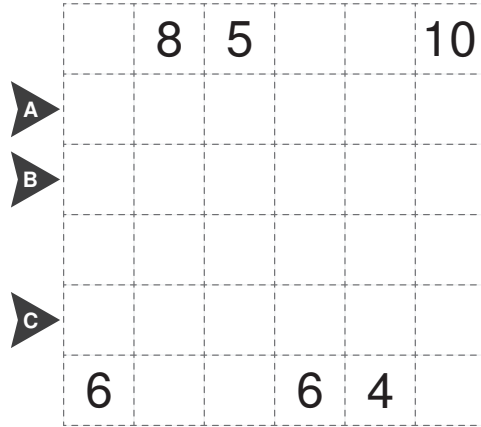**Rule**
Shade some cells to leave behind a single connected group — the cave — with no enclosed, shaded cells. In other words, all shaded cells must be connected by other shaded cells to an edge of the grid. All numbered cells must be a part of the cave, with each number indicating the total count of cells connected vertically and horizontally to the numbered cell including the cell itself.

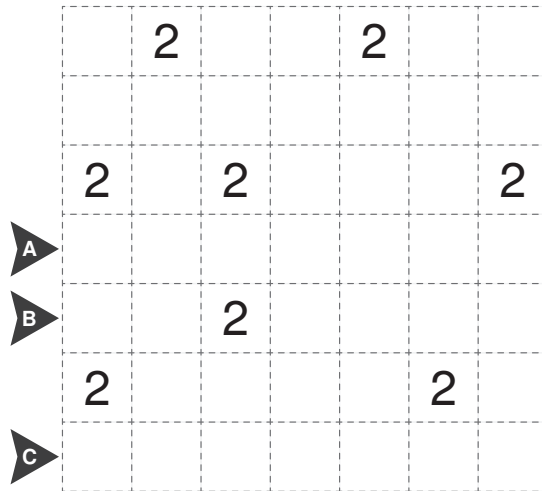Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.

1

Introduction
2 points
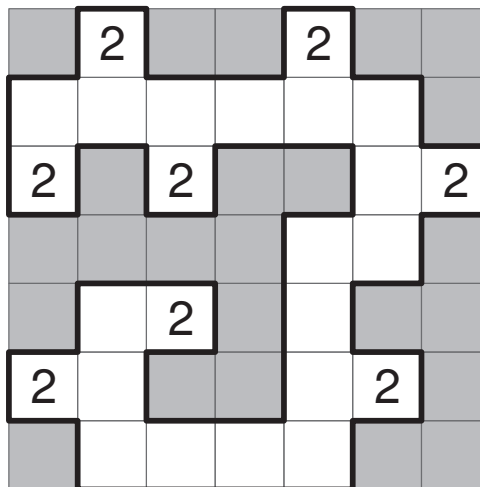
2

Introduction
3 points

Cave

Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.

3

Intermediate
6 points

Grid 1 (columns D, E marked; rows A, B, C marked):

	D		E			
			9			
A	2				6	
			8			
B		3				3
8				6		
		5				
C	5				4	
			7			

4

Intermediate
5 points

Grid 2 (columns C, D, E marked; rows A, B marked):

			C		D	E	
A	4						4
		4				4	
			7		8		
						8	
B		5					
			5			5	
		4				9	
	4						9

LMI Beginners' Puzzle Contest
August 2014
Puzzles by Prasanna Seshadri

Cave

Puzzle 5 — Challenging, 9 points

Columns marked: C, D, E, F
Rows marked: A, B

	C			D	E		F
5							7
	2				6		
		3				5	
			4				7
	7				2		
		5				4	
			3				6
3							2

Puzzle 6 — Challenging, 12 points

Columns marked: D, E, F
Rows marked: A, B, C

			D				E	F			
2										4	
					6	6					
				10			10				
			4					5			
			4					5			
				10			10				
		4								9	
					5	6					
	8			3			5			4	

Solved Example for Exploratory puzzles

| | | | | |
| 5 | 4 | 5 | 6 | |

| | | | | |
| 5 | 4 | 5 | 6 | |

Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.

7

Exploratory
6 points

8

Exploratory
7 points

Cave

	8	5			10
6			6	4	

1

Introduction
2 points

2

Introduction
3 points

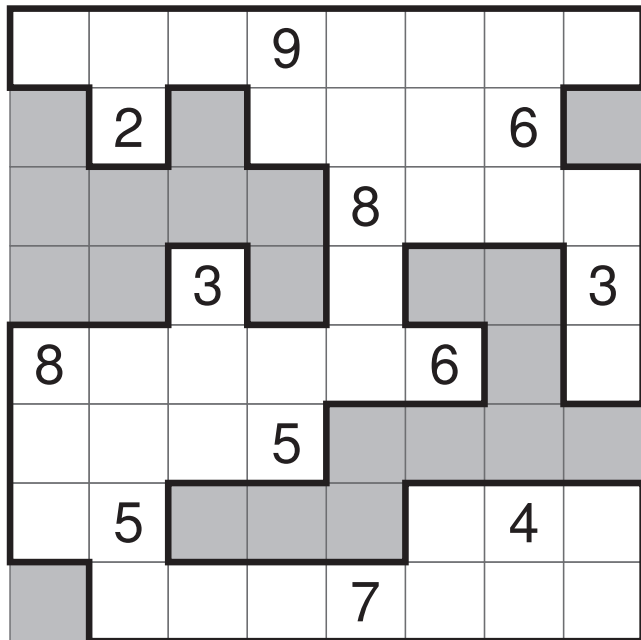|	2			2		
2		2				2
		2				
2					2	

Cave

Rule
Shade some cells to leave behind a single connected group — the cave — with no enclosed, shaded cells. In other words, all shaded cells must be connected by other shaded cells to an edge of the grid. All numbered cells must be a part of the cave, with each number indicating the total count of cells connected vertically and horizontally to the numbered cell including the cell itself.

Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.
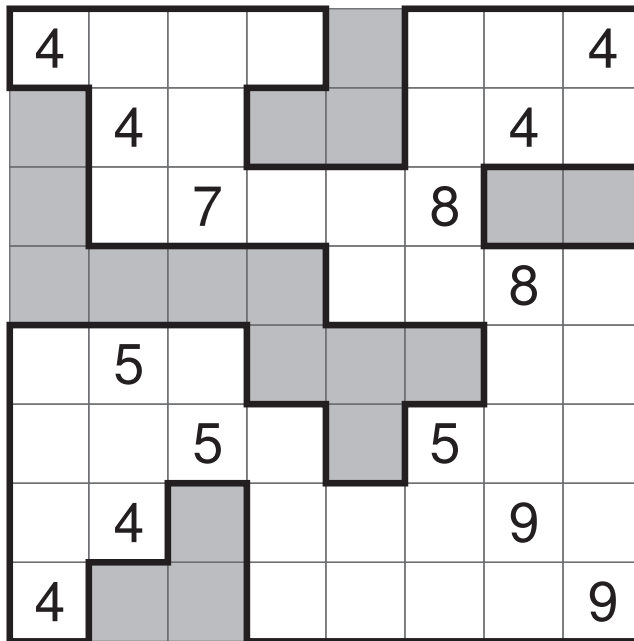
3

Intermediate
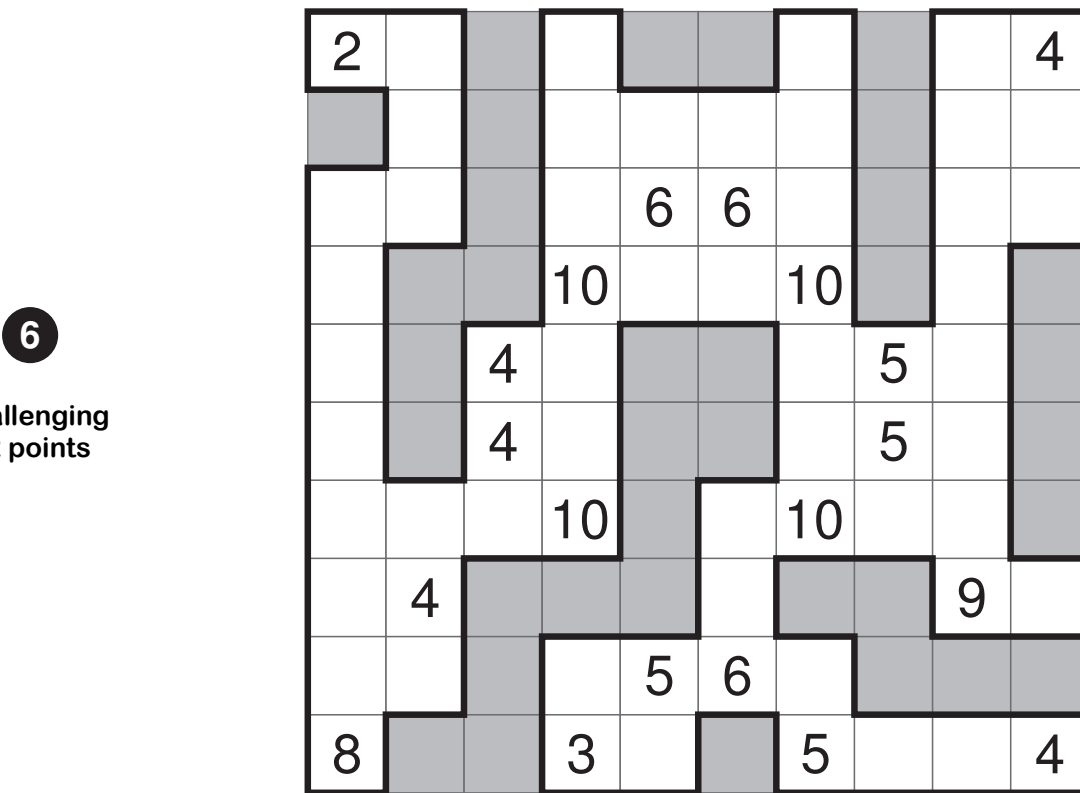6 points

4

Intermediate
5 points

Cave

Rule
Shade some cells to leave behind a single connected group — the cave — with no enclosed, shaded cells. In other words, all shaded cells must be connected by other shaded cells to an edge of the grid. All numbered cells must be a part of the cave, with each number indicating the total count of cells connected vertically and horizontally to the numbered cell including the cell itself.

Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.

5
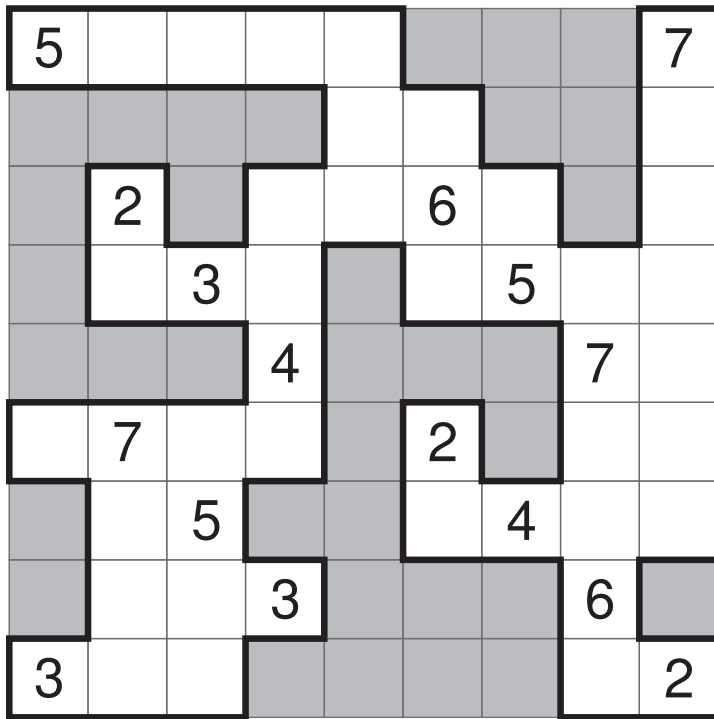
Challenging
9 points

6

Challenging
12 points

Solved Example for Exploratory puzzles

Answer Key format: For each marked row/column, enter the longest continuous group of cells inside the cave.

7

Exploratory
6 points

8

Exploratory
7 points