DÜNYA SUALTI ŞAMPİYONASI
WORLD PSEUDOKU CHAMPIONSHIP

Bu sorular, 2. Dünya Sudoku Şampiyonası resmî internet sitesinde 14 Mart 2007 gecesi yayınlanan örnek dosya temel alınarak hazırlanmış ve 20 Mart 2007'de tamamlanmıştır. Soru isimleri ve yönergeler, yayınlanan örnek dosyadan alıntıdır.

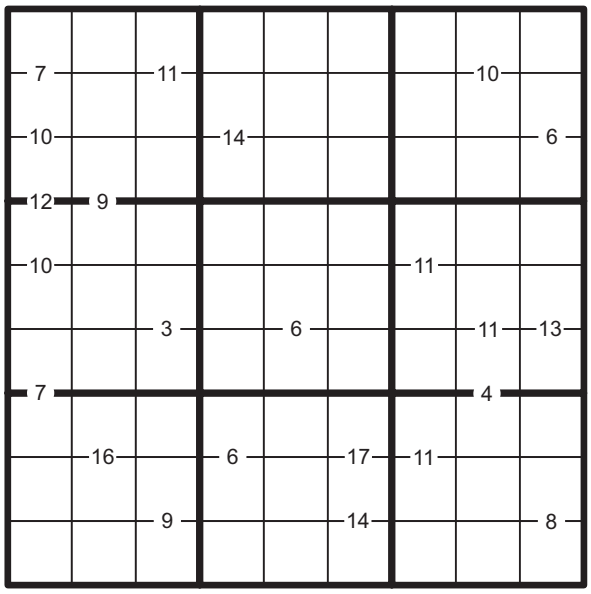
Cihan Altay
Serkan Yürekli

These puzzles are based on the samples file published on the official website of the 2nd World Sudoku Championship at the night of March 14th 2007. They are finished on March 20th 2007. Puzzle names and instructions are from those in the samples file.

Cihan Altay
Serkan Yürekli

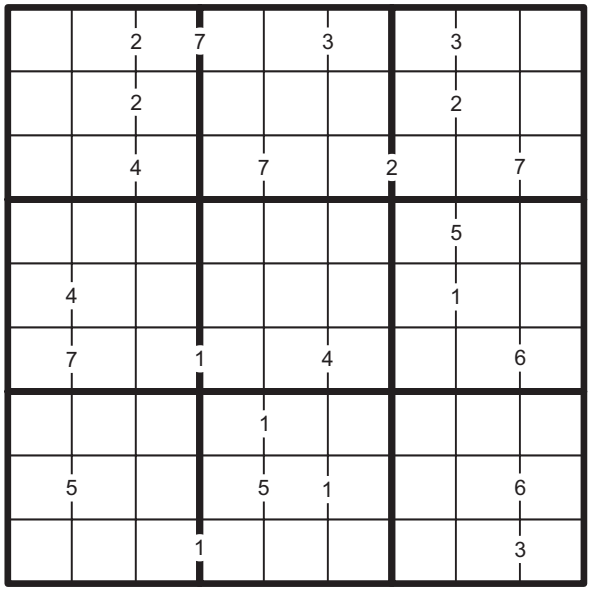
1 + 2 = 3

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.
Special clue-numbers are placed on the border lines between selected pairs of neighbouring cells of the grid. Each clue-number is the sum of two numbers that should be in the respective pair of the neighbouring cells just above and below it.



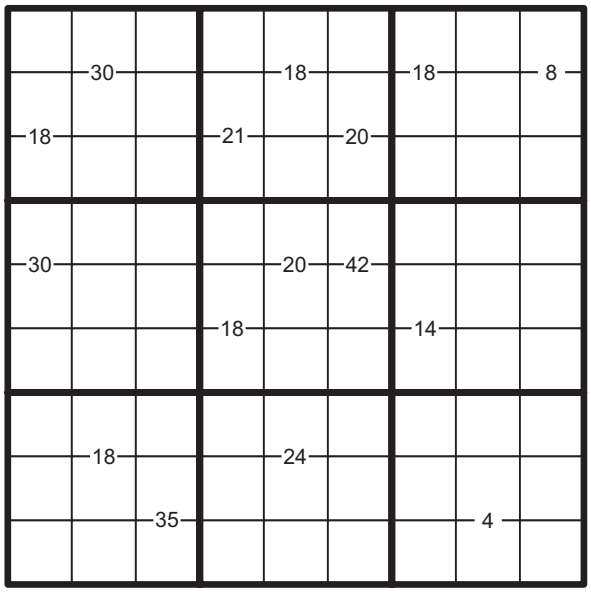
3 – 2 = 1

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.
Small clue-numbers are placed on the border lines between selected pairs of neighbouring cells of the grid. Each clue-number is the difference between the two numbers that should be in the neighbouring cells just to the right and to the left of that clue-number.



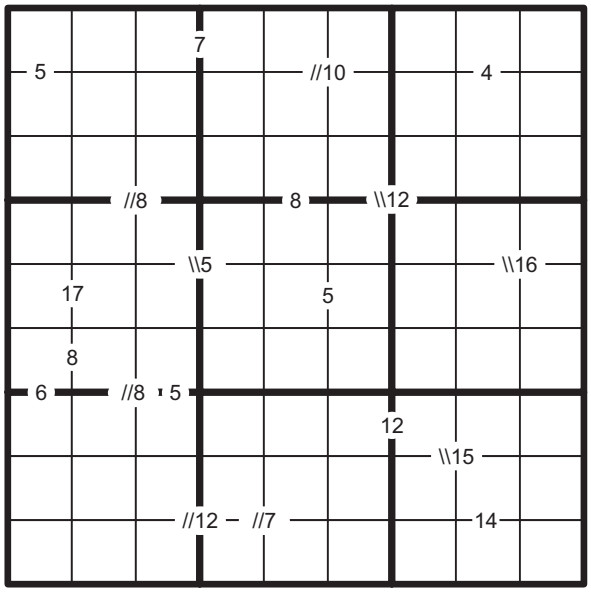
7 x 5 = 35

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.
Small numbers always placed on the border lines between selected pairs of neighbouring cells of the grid are the products of two numbers that should be in the respective pair of the neighbouring cells just above and below the clue-number.



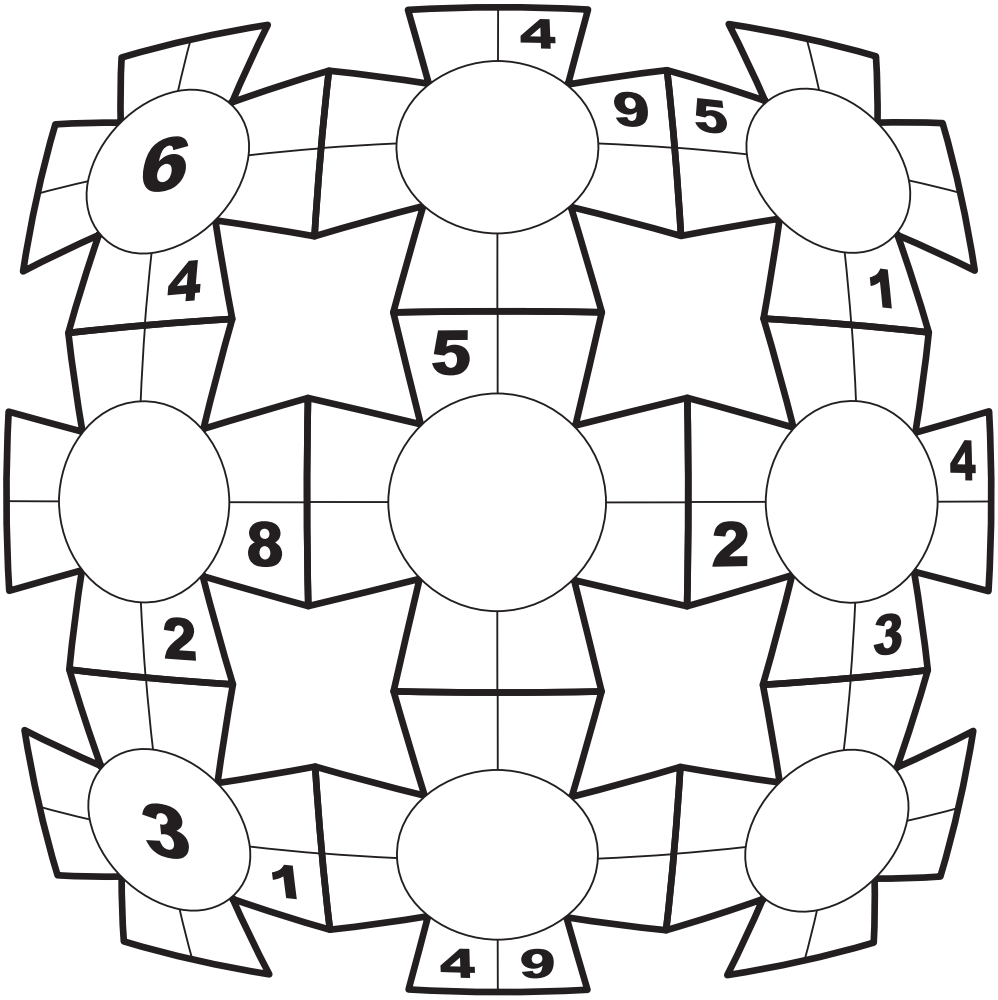
9 + 8 = 17

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.
Small clue-numbers are either placed on the border lines between selected pairs of neighbouring squares of the grid or placed after slash marks on the intersections of border lines between two diagonally adjacent squares. Each small clue-number is the sum of two digits in the two squares that are horizontally or vertically or diagonally adjacent to each other. The position of each pair of diagonally adjacent squares is indicated by either two forward slash marks // or two backward slash marks \\.



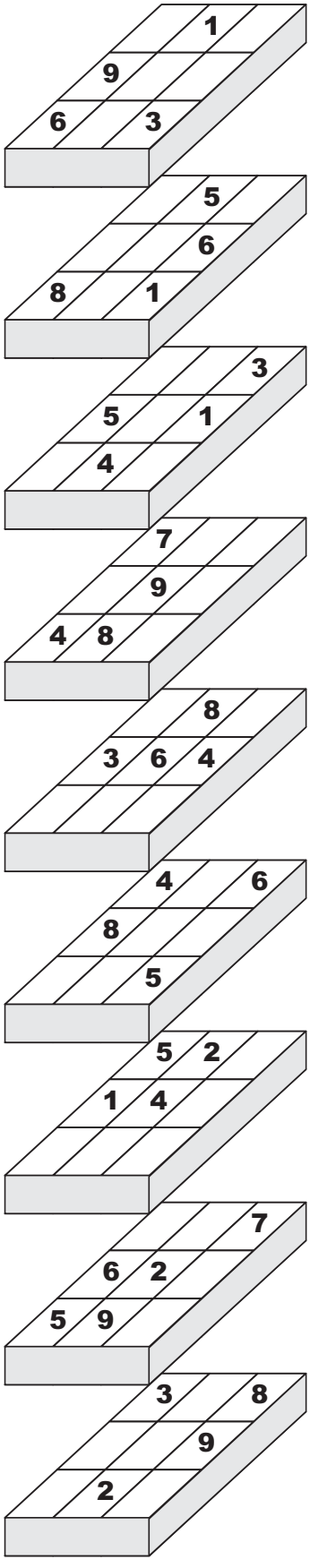
Ball

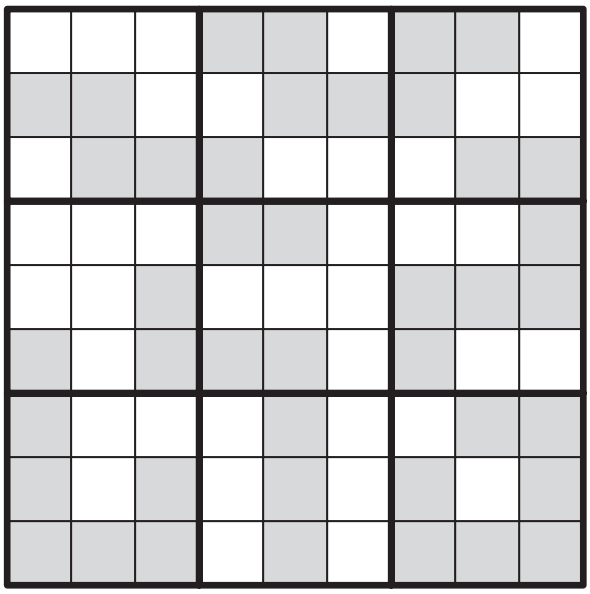
Fill in the grid so that every row, column (six smaller cells and three bigger circles or stars), outlined figures (eight smaller cells and a bigger circle), nine bigger circles and nine bigger stars contain the digits 1 through 9. The grid is toroidal.



Big bands

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.
There are six grey twisty bands 7 cells long in the sudoku grid and 7 digits long numbers. Put the numbers in the respective bands and all others digits in the grid.

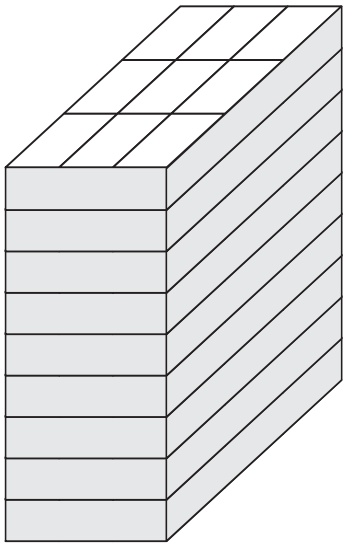




1614821
8561263
9258674
7468249
7675837
4619238

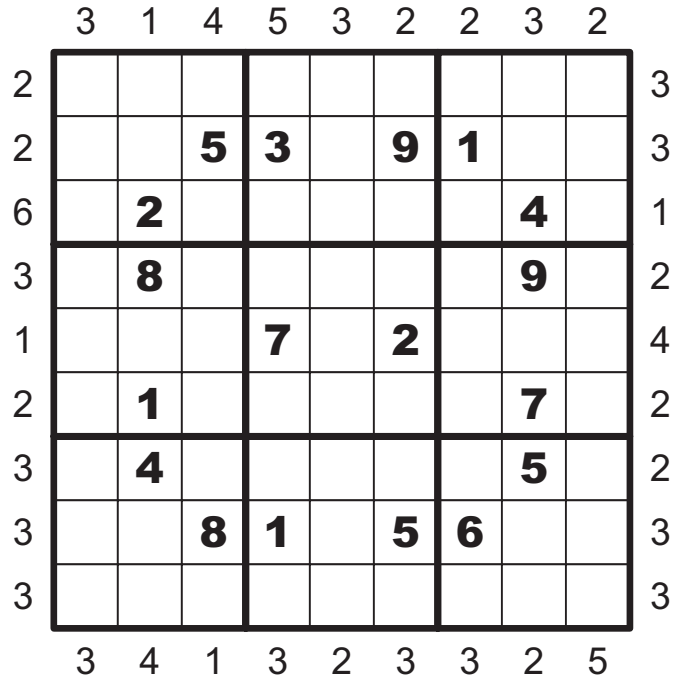
Block Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the nine layers and the nine stacked columns.



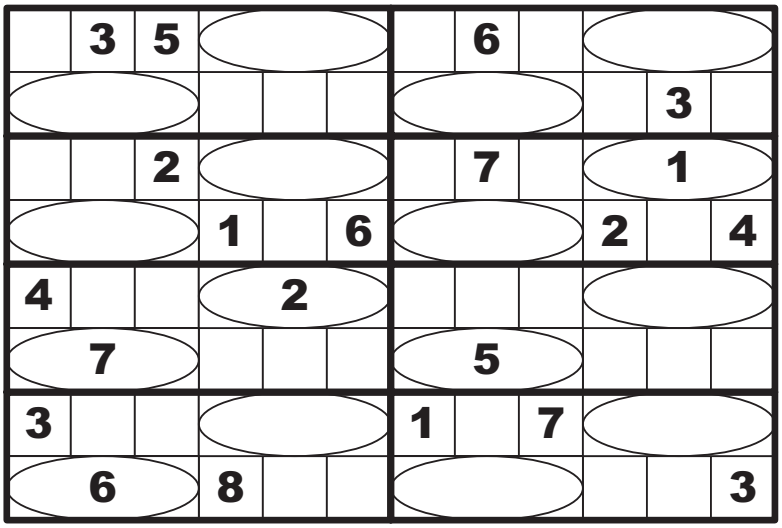
Buildings

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.
Each row and column contain buildings of different heights. The numbers outside the grid indicate how many buildings are visible from that direction (the higher buildings hide the lower ones behind them).



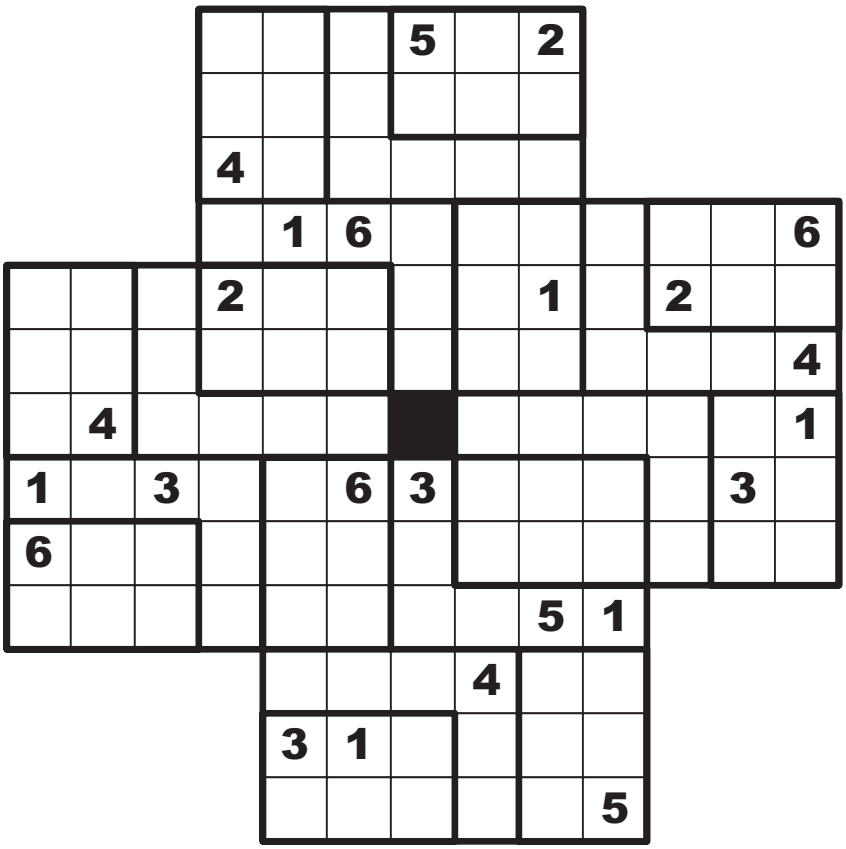
Capsules

Place a digit from 1 to 8 so that each digit appears exactly once in each of the rows, columns and eight outlined rectangles. The digit in each capsule is used for the three columns.



Chain

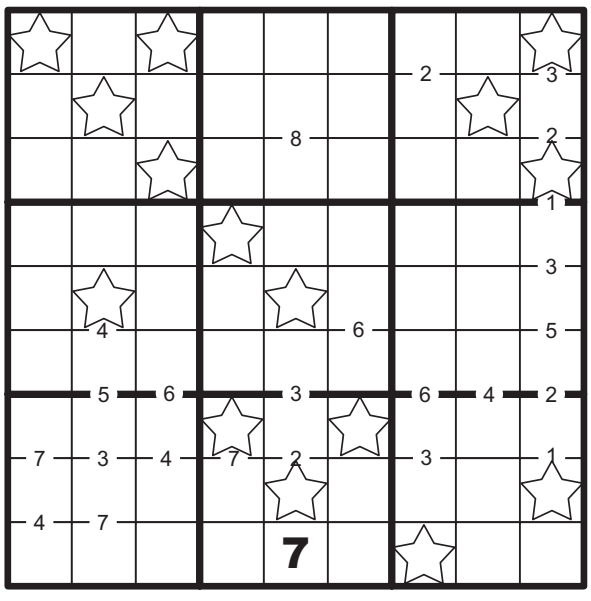
Place a digit from 1 to 6 into each of the empty squares so that each digit appears exactly once in each of the four 6x6 grids and in each of the six-field outlined regions (irregular or rectangle).



Constellation

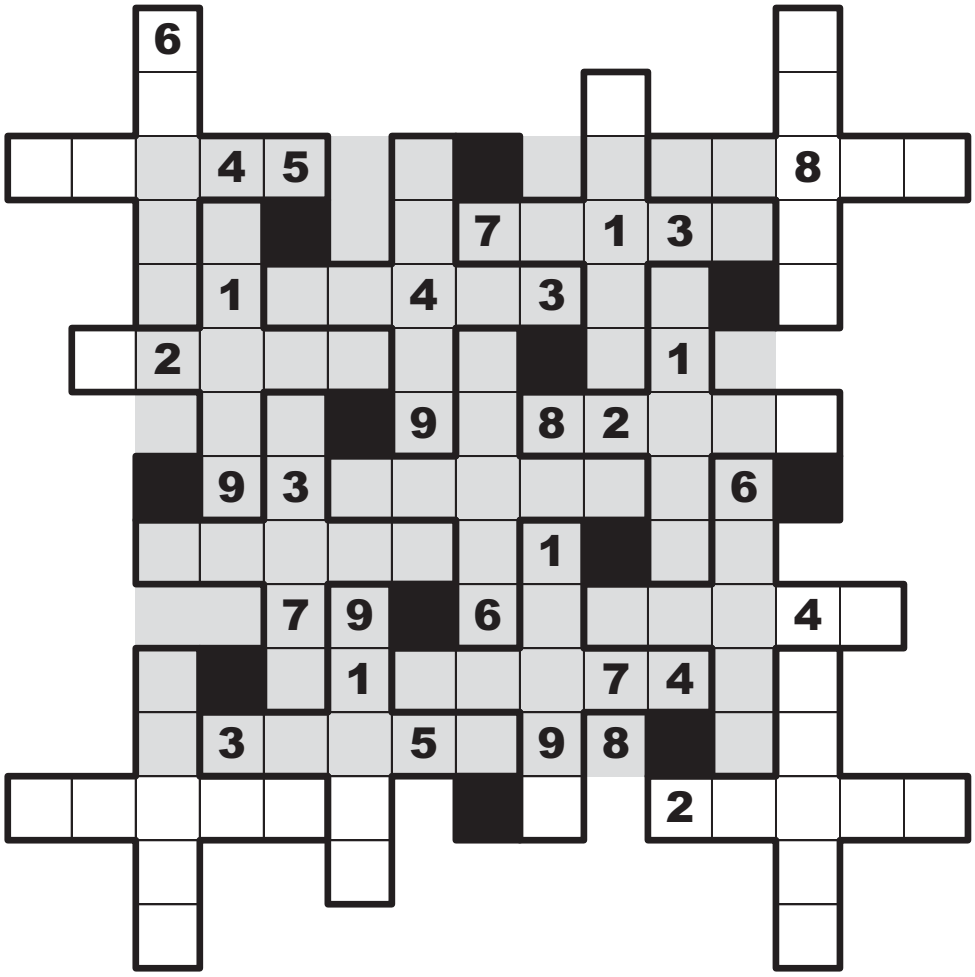
Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.
There are special clue-numbers placed on the border lines between selected pairs of adjacent squares of the grid. Each clue-number is the difference between the two numbers that should be in the adjacent squares just above and below of that clue-number. An additional set of 15 starting digits {1, 2, 2, 3, 4, 4, 5, 6, 6, 7, 8, 8, 9, 9, 9} is given to fill in the squares indicated by 15 stars.

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



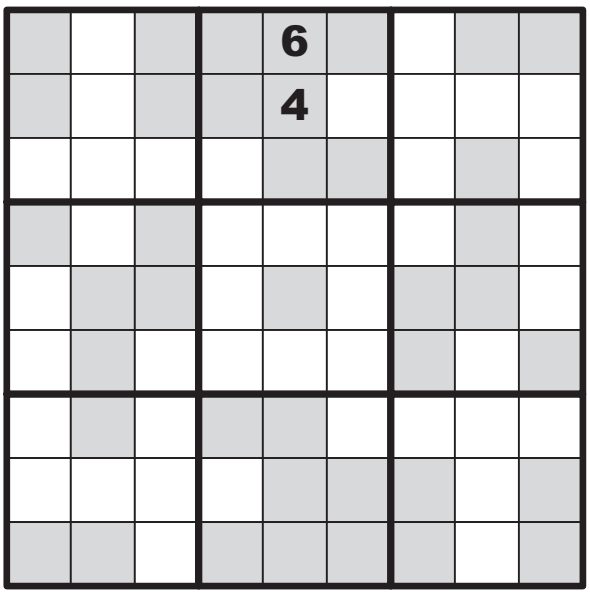
Cross

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 and columns of the 10x10 gray square and in each of the crosses. Four corner crosses are identical.



Crossnumber

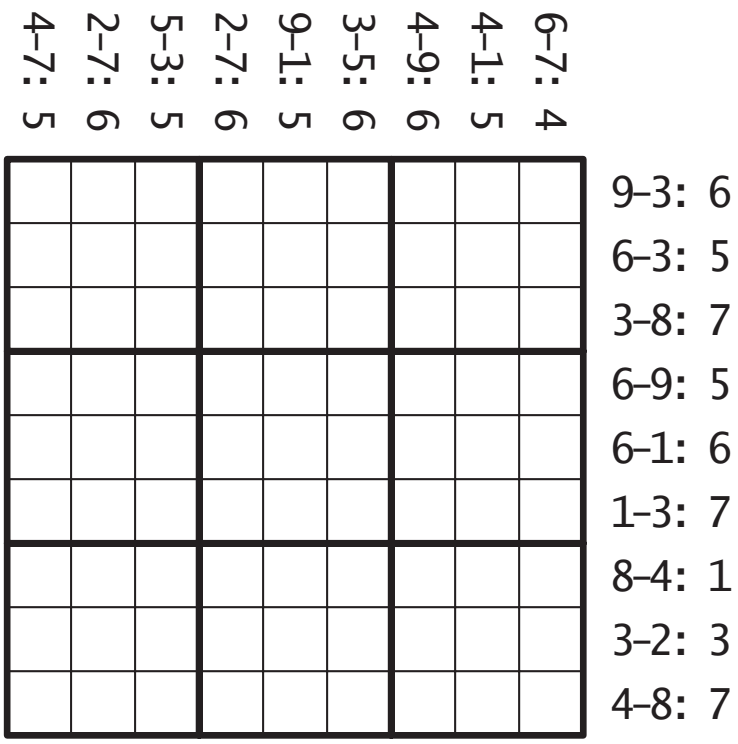
Fill in the white cells with given number words. Then using written digits solve sudoku. Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.



1376 5746
1387 7168
2875 7659
3618 7854
3761 7942
3791 8753
4569 9617

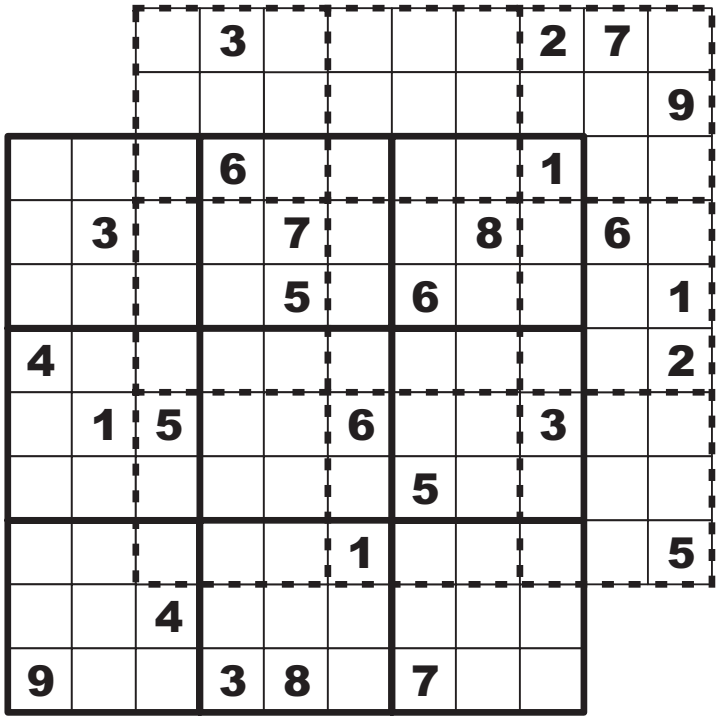
Distance

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 distance between two digits in each row and column is specified. The order of these digits is from left to right or from top to bottom.



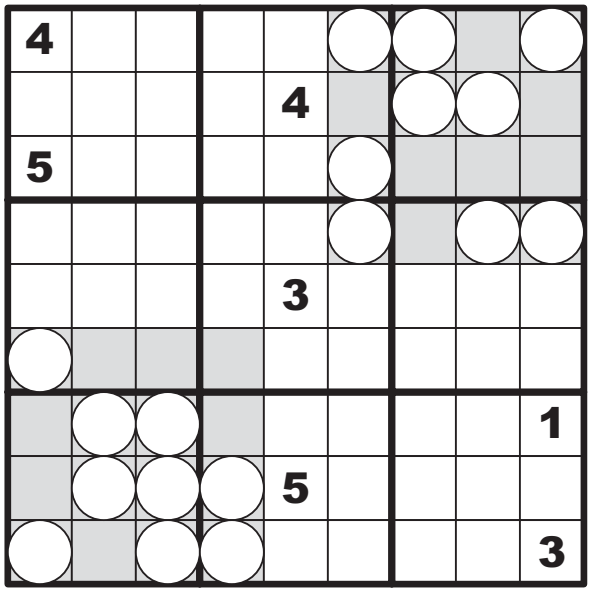
Dual Doku

The big grid consists of two partially overalapped 9x9 sub-grids. Fill in the whole grid with numbers 1 through 9 (one number per cell) so that in both 9x9 sub-grids each horizontal line, each vertical line and each of their respective nine 3x3 squares must contain all the nine different numbers 1 through 9.



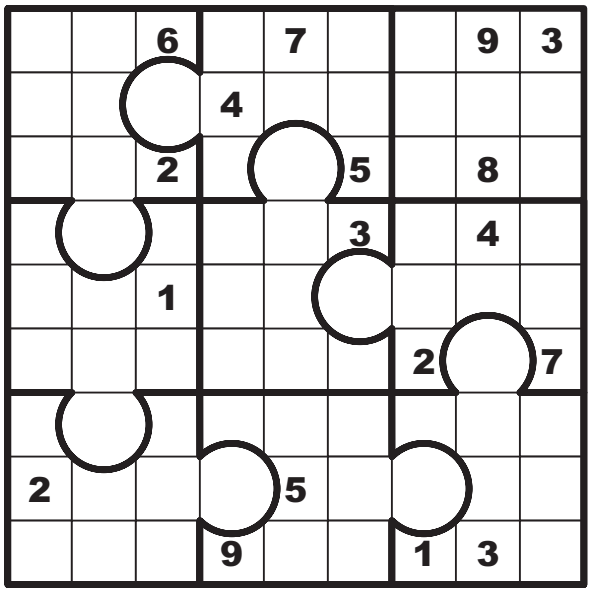
Increase distance

Solve both grey squares in the „increase distance“ puzzle. Put the digits 1– 9 into the circles so that the distance between circles increases one after another: |1, 2| < |2, 3| < … < |8, 9|. Then using written and given digits solve 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.



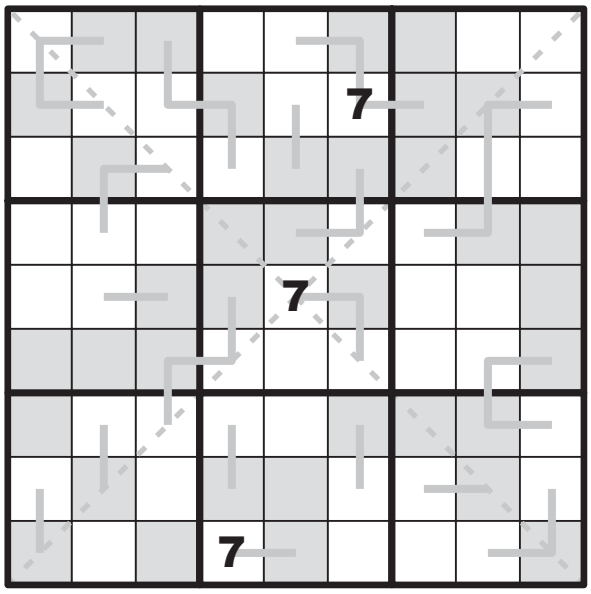
Jigsaw Roundoku

Fill in the whole 9x9 grid with numbers 1 through 9 (one number per cell) so that each horizontal line, each vertical line and each of the nine jigsaw shapes (outlined with the bold lines) must contain all the nine different numbers 1 through 9. The round parts of the jigsaw shapes must contain only „round“ numbers – 3, 6, 8 and 9.



Lucky seven

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. Some neighbouring cells linked with the line contain digits in arithmetical series. Sudoku grid contains highlighted all the squares with even digits.



Magic square

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, the nine outlined 3x3 regions and in each of the two main diagonals.
The sum of digits in the central highlighted squares of 3x3 square must be equal in each row, column and both diagonals.

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

Many times times

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.
Numbers in the top parts of certain squares are the products of the digits in all the squares horizontally and vertically adjacent to the square.

				18	56			
							630	
144		1050						
			490		640			4
108								
		216						
18				126		80		

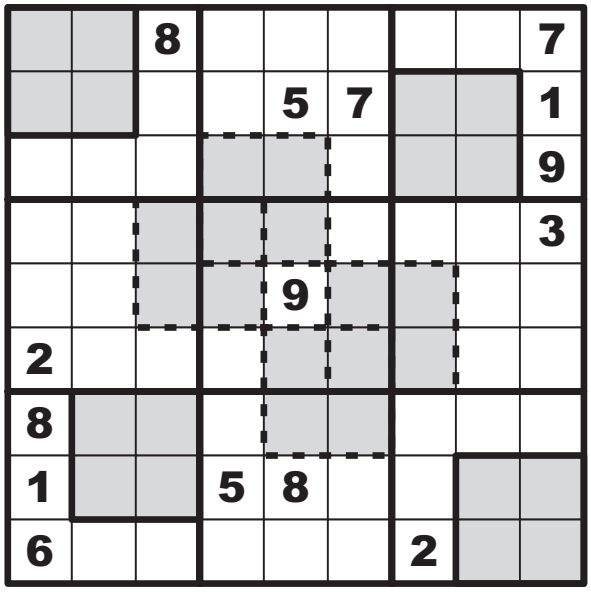
Mirror

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 nine outlined 3x3 regions in each of the four squares. The mirrors have been placed among the four squares and all the digits are reflected according to certain rule. The rule is recognizable from the grid.

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

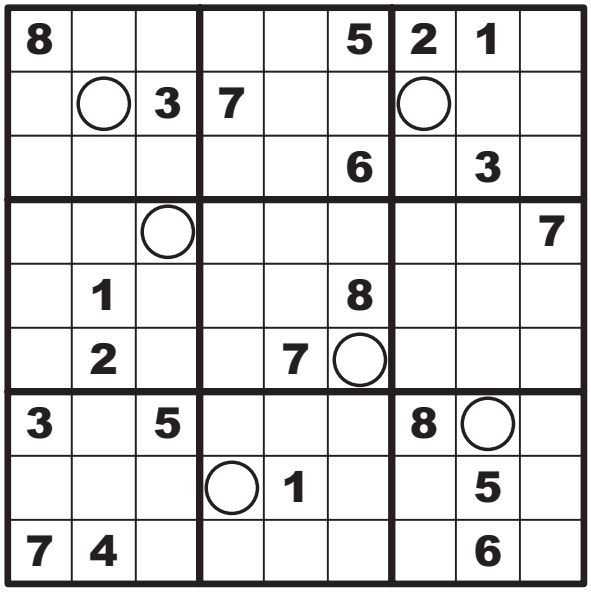
Multiplication table

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. Each highlighted 2x2 region contains examples of multiplication. Every lower highlighted row must contain the product of two numbers in the upper highlighted row.



Neighbouring 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. For each circled cell sum of its vertical neighbours must be equal to the sum of its horizontal neighbours.



Neighbours

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.
Small clue-numbers in the top parts of certain squares are the sums of the digits in all the squares horizontally and vertically adjacent to the square.

			16	9				8
		14						
	20						10	10
23					29			
	16		11	20				12
				18				

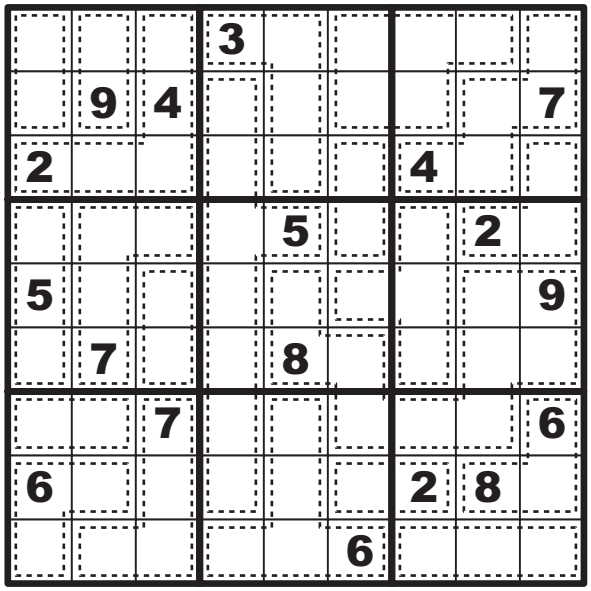
No touch

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 same digits can not touch each other, not even diagonally.

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

Number 5 Still Alive

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. Sum of digits in all dotted areas must end with 5.



Overlap

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 in each of the four squares. The grids are overlapped by two highlighted rows or columns.

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

Paint it black

Blacken some of the cells to find out the hidden modern art figure. The numbers on the sides of the grid give the number of black cells in each black stretch in a certain row or column. The black regions are separated by one or more empty cells. Don't pay attention to digits in the grid. Then transfer the digits from black cells into the second grid and solve 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.

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

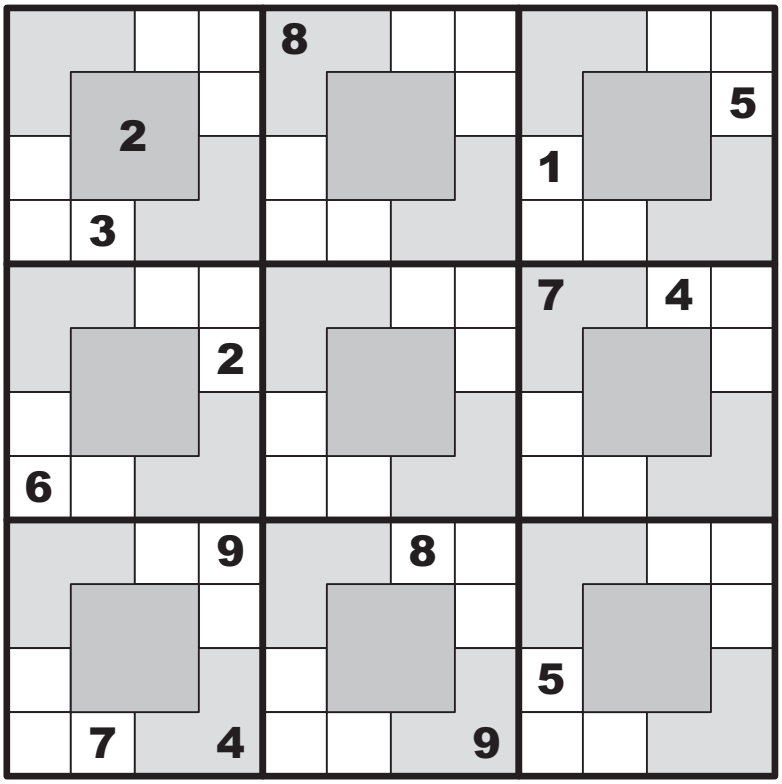
Parallelograms

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, nine outlined 3x3 regions and each of the two main diagonals. After solving the sudoku divide the grid into rectangular parallelograms (square, rectangle). Each shape must contain one highlighted square. The digit in the highlighted square indicates the sum of the sides of the parallelogram (length and height).

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

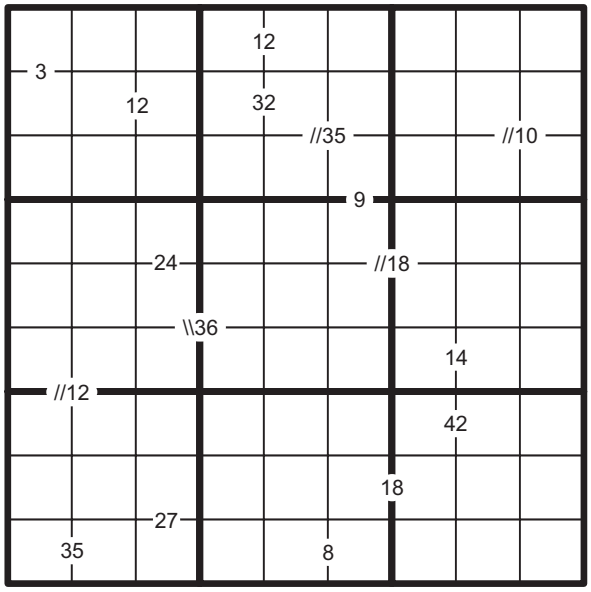
Parquet

Put the digits 1-9 in each of the empty cells so that each digit appears exactly once in each of the outlined squares 4x4, all 12 columns and all 12 rows.



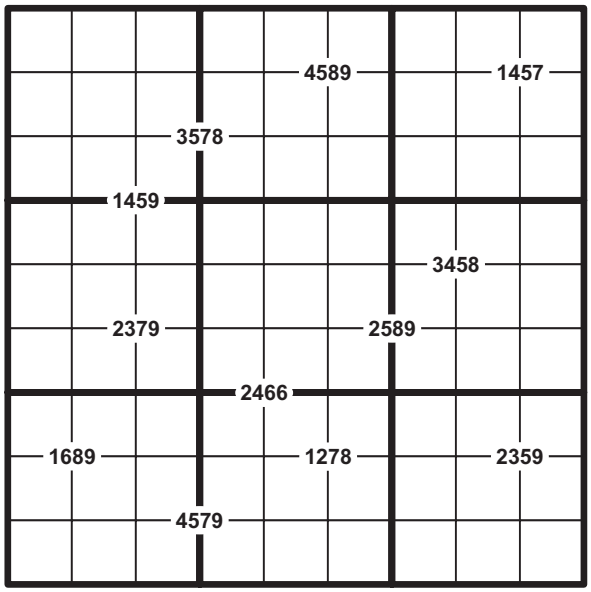
Product

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.
Small clue-numbers are either placed on the border lines between selected pairs of neighbouring squares of the grid or placed after slash marks on the intersections of border lines between two diagonally adjacent squares. Each small clue-number is the product of two digits in the two squares that are horizontally or vertically or diagonally adjacent to each other. The position of each pair of diagonally adjacent squares is indicated by either two forward slash marks // or two backward slash marks \\.



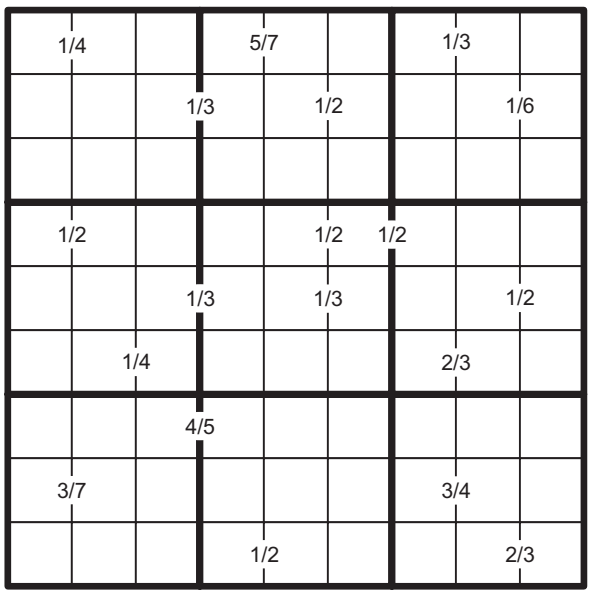
Quadruple

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.
Each set of 4 small digits in the intersection of two grid lines stands for the numbers in the four cells of the grid adjacent to this set.



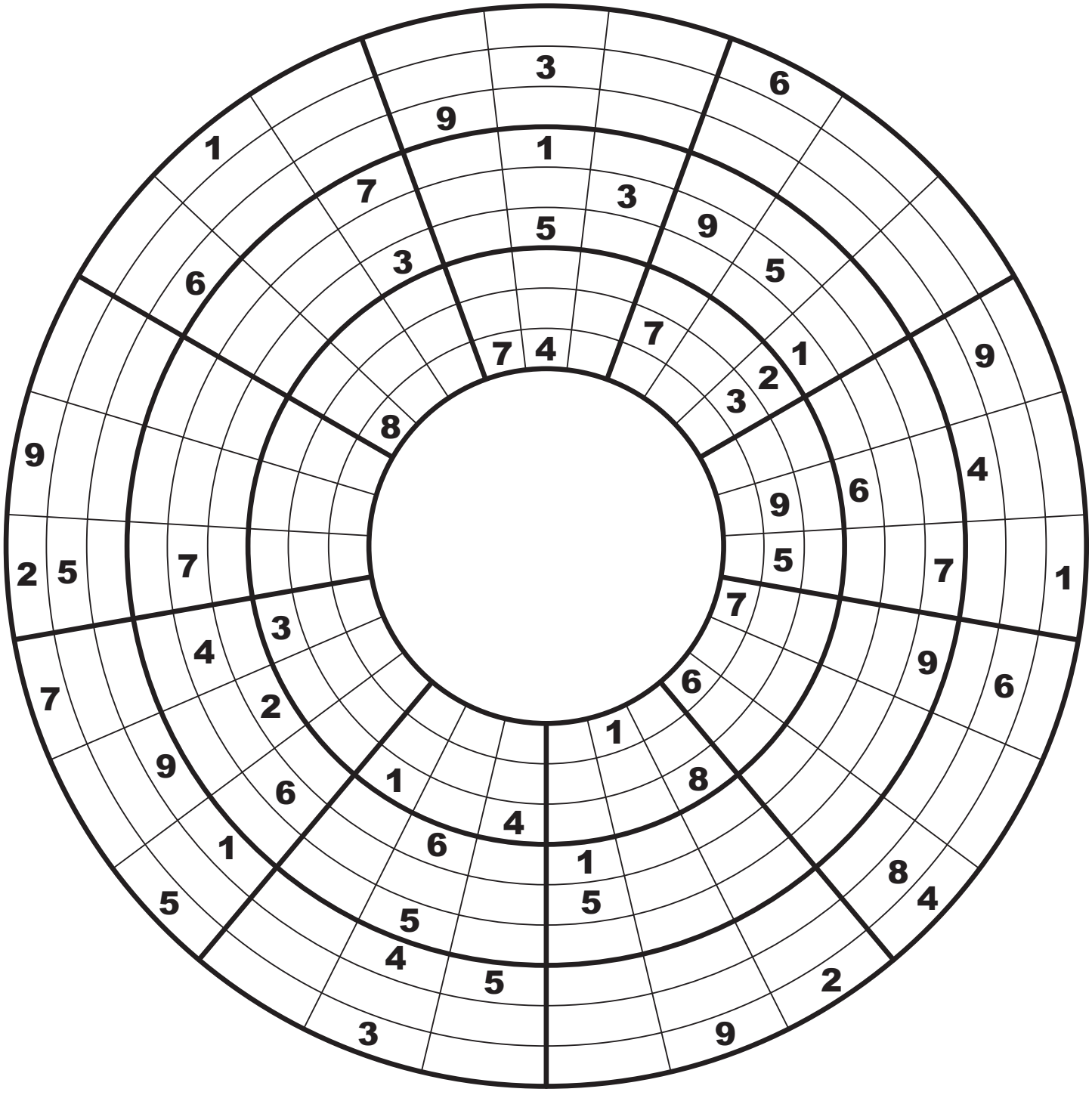
Ratio

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 special clue-numbers are fractions or ratios in the lowest terms. The clue-numbers are always placed on the border lines between selected pairs of neighbouring cells of the grid.



Ring

Place a digit from 1 to 9 into each of the empty cells so that each digit appears exactly once in each of the columns and rows of three consecutive sectors 3x9. Each three consecutive sectors 3x9 form the standard sudoku 9x9.



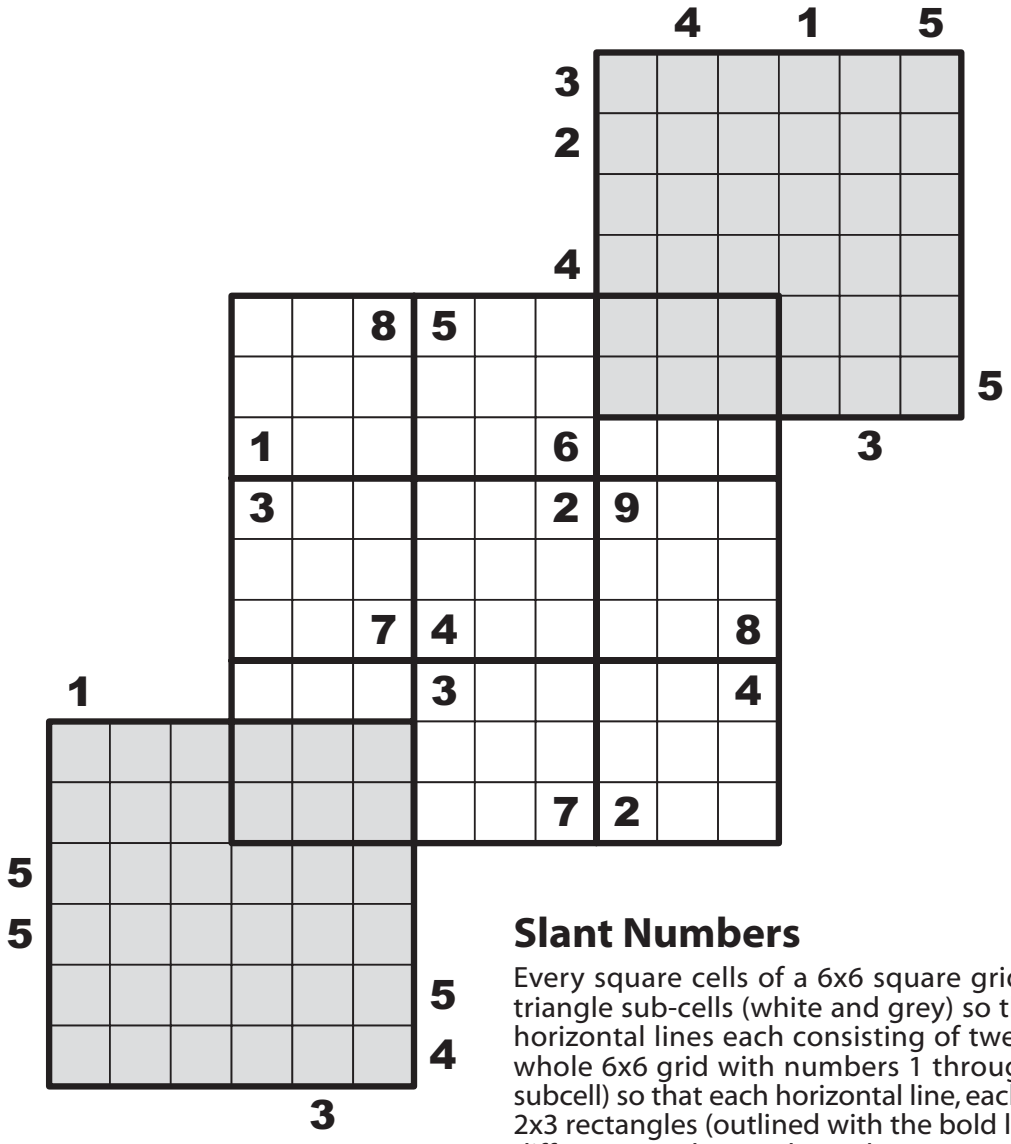
Roll sudoku

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, the nine outlined 3x3 regions and in each of the two main diagonals. Move the zones consisting of 3 rows to the left or right so that 3 sudoku grids could be solved. Each zone consists of 3 rows so if moving one zone you have to move all three rows. If you for example move the zone to the left the moved columns from the left side will appear on the right side.

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

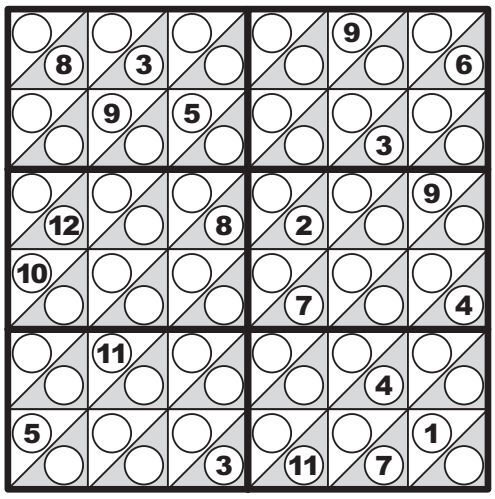
Skyscrapers

First solve two puzzles Skyscrapers in grey squares. Each row and column contain buildings of different heights. The numbers outside the grid indicate how many buildings are visible from that direction (the higher buildings hide the lower ones behind them). Use the obtained digits and solve 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.



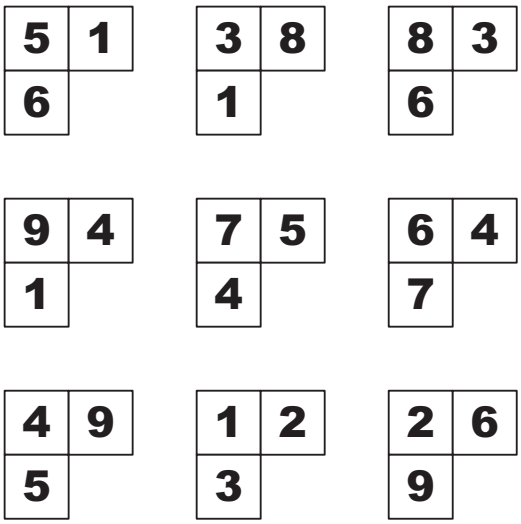
Slant Numbers

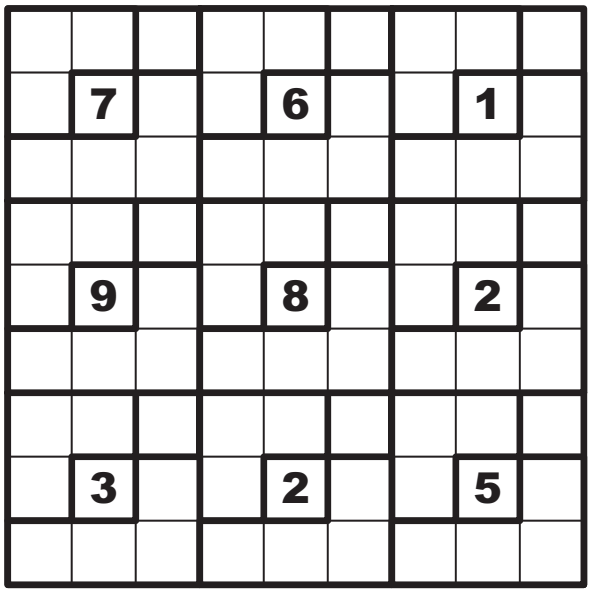
Every square cells of a 6x6 square grid is divided diagonaly into two triangle sub-cells (white and grey) so that there are six vertical and six horizontal lines each consisting of twelve triangle sub-cells. Fill in the whole 6x6 grid with numbers 1 through 12 (one number per triangle subcell) so that each horizontal line, each vertical line, and each of the six 2x3 rectangles (outlined with the bold lines) must contain all the twelve different numbers 1 through 12. In each 1x1 square cell of the grid the bottom number (on the grey triangle) always must be greater than the top one on the white triangle.

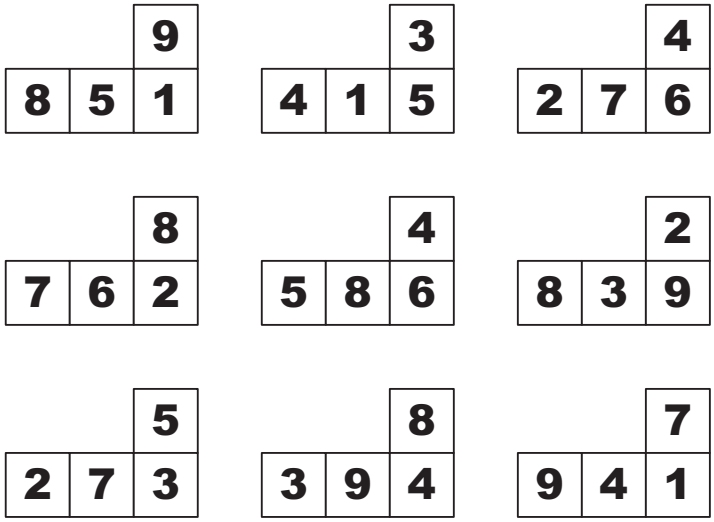


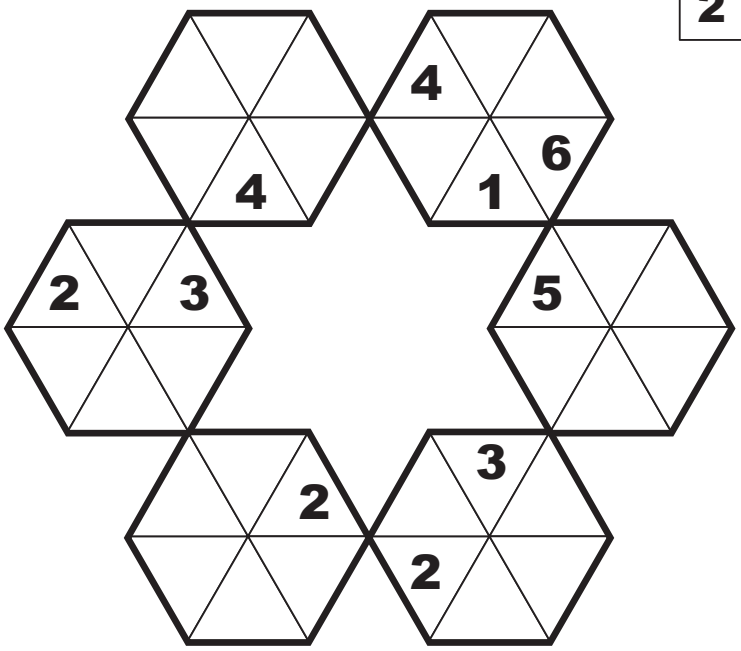
Small pieces

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.
Put the small pieces with numbers into the grid. The pieces can not be rotated and mirrored.









Snowflake

Place a digit from 1 to 6 into each of the hexagons so that each digit appears exactly once in each of the hexagons and in one horizontal and two diagonal directions.

Sssssssudoku sssssssnake

First solve the puzzle Snake. Draw the snake 32 long, the parts of the body do not touch, not even diagonally. The numbers outside the grid show number of squares occupied by a snake in a certain row or column. You can place only digits 8 or 9 in the cells with snake turning (including head and tail). Then solve 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.

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

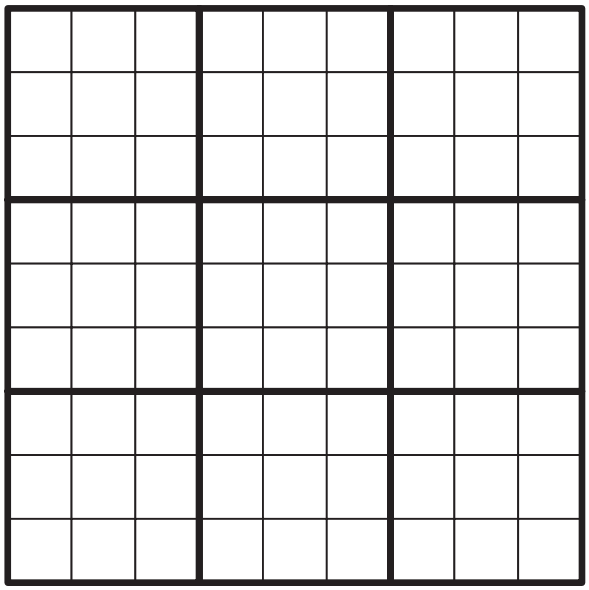
Transfer

We have erased in the filled sudoku grid the digits in grey cells. Then four digits in every row are transfered to the right one after another. Four digits in every column are transfered down one after another. Restore all digits in the grid.

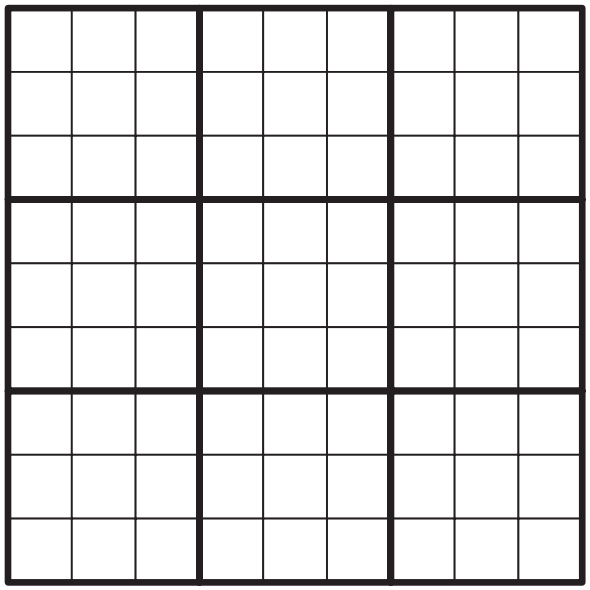
									5 9 2 1
									7 8 6 2
									1 2 9 7
									4 6 8 5
									8 2 6 7
									7 3 4 8
									1 3 6 2
									7 3 2 9
									5 9 7 1
4	3	8	5	7	4	4	3	5	
3	9	6	7	1	9	1	8	3	
6	6	1	2	4	5	7	9	4	
9	8	4	4	5	1	3	5	6	

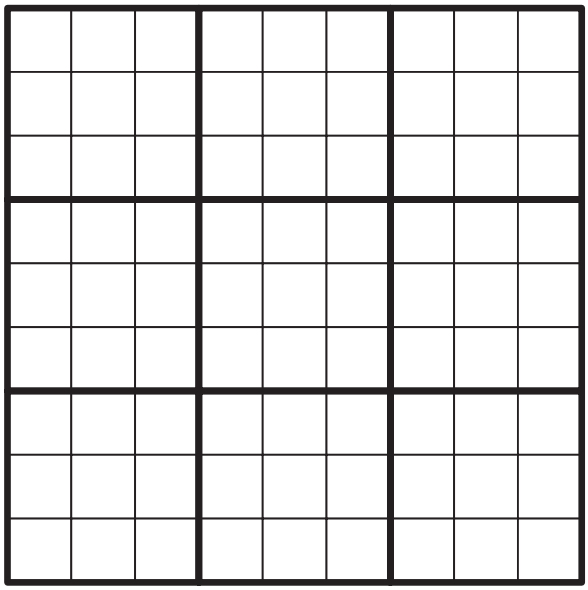
Transparent sudoku

Only two of the following three sudoku grids are solvable. Put the two correct sudoku in proper position and transfer one over another and solve the created 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.



Denemeler/Trials





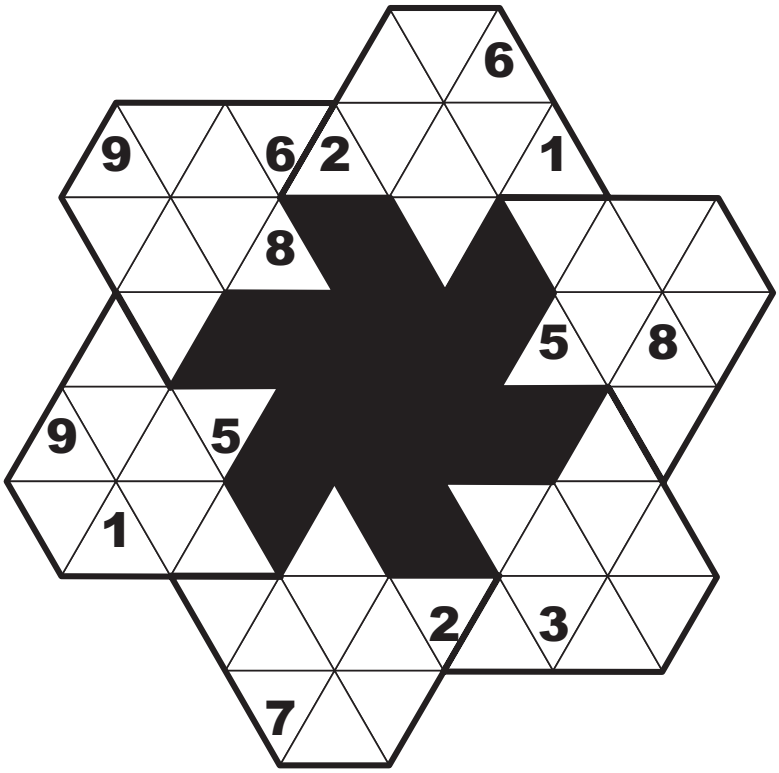
Şeffaf sudoku parçaları/Transparent sudoku pieces

Gerçek parçalar/The real pieces

Asetatsız baskılar için yardımcı parçalar/Helper flaps for nontransparent print-outs

Triangles

Place a digit from 1 to 9 into each of the empty triangles so that each digit appears exactly once in each of the outlined shapes and in one horizontal and two diagonal directions.



Twins

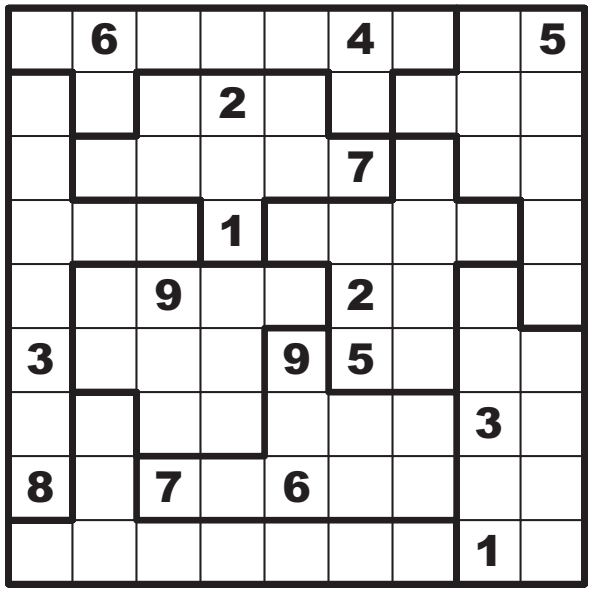
Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.
This variant consists of a pair of standard sudoku puzzles with starting digits. Substitute the equivalent values of the digits from one corresponding sudoku into the other.

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

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

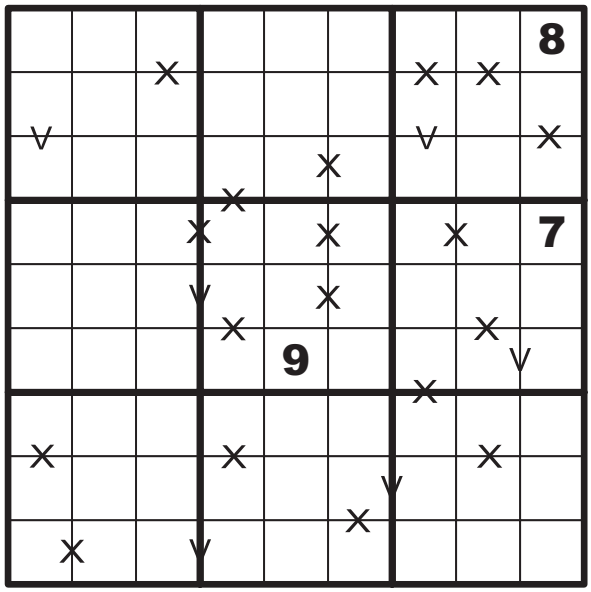
Untouchable Sudoku

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 regions. Cells with the same digits cannot touch each other even diagonally.



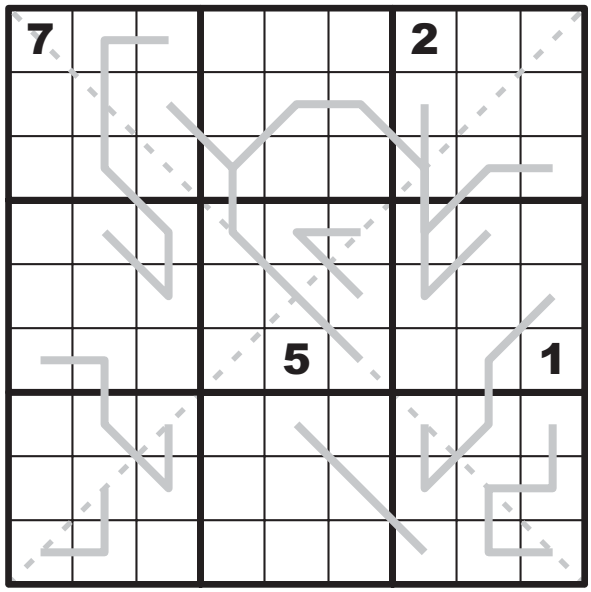
XV

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 neighbouring digits with the sum 10 are marked X,
all horizontally and vertically neighbouring digits with the sum 5 are marked V.



Zigzag

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. The neighbouring cells linked with the line contain digits in arithmetical series.



ÇÖZÜMLER
SOLUTIONS

1 + 2 = 3

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

3 - 2 = 1

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

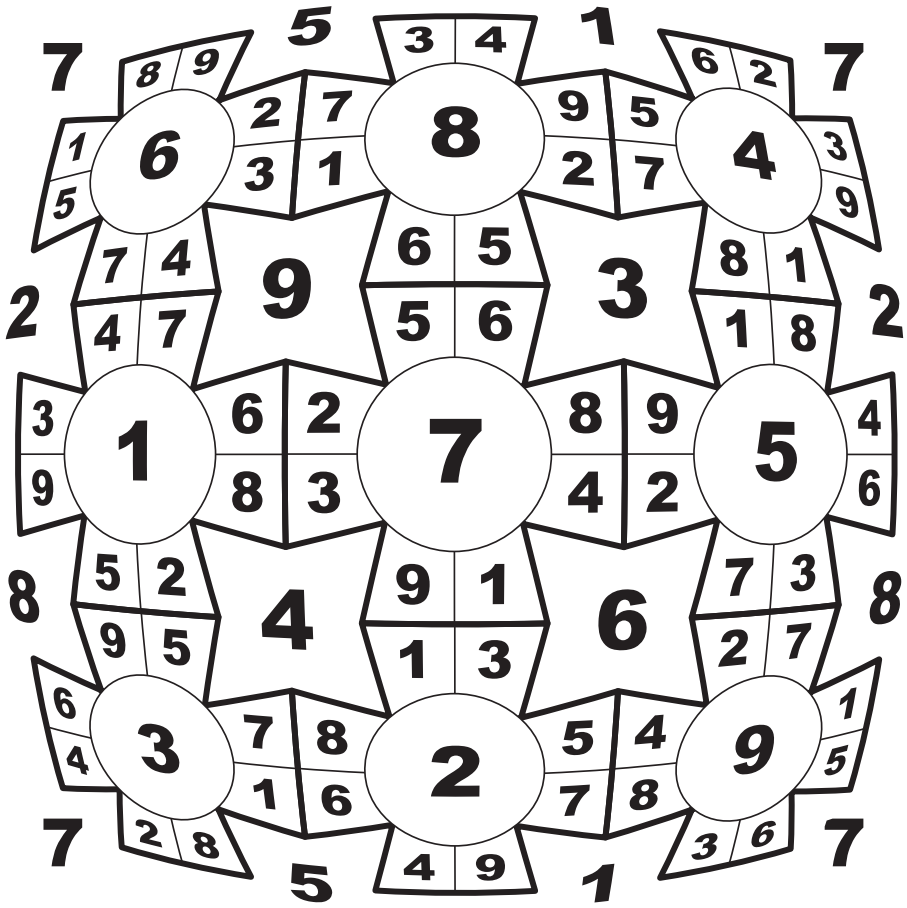
7 x 5 = 35

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

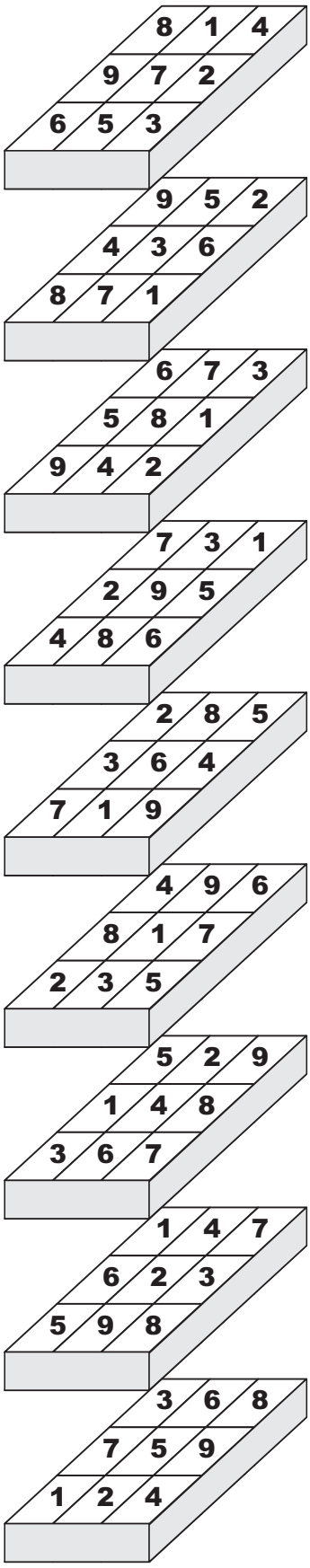
9 + 8 = 17

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

Ball



Block Sudoku



Big bands

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

Buildings

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

Capsules

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

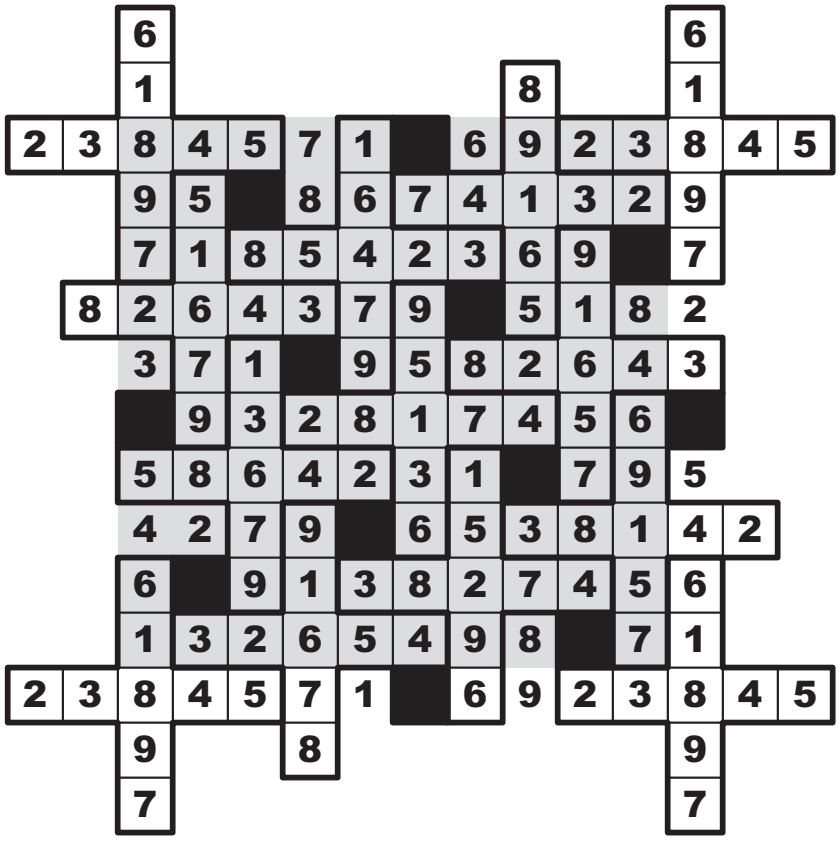
Chain

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

Constellation

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

Cross



Crossnumber

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

Distance

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

Dual Doku

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

Increase distance

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

Jigsaw Roundoku

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

Lucky seven

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

Magic square

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

Many times times

9	7	1	3	18 4	56 6	2	5	8
8	4	5	2	1	7	3	630 9	6
144 2	6	1050 3	5	9	8	4	7	1
3	5	7	490 6	2	640 4	8	1	4 9
108 1	9	2	7	8	5	6	3	4
4	8	6	1	3	9	7	2	5
7	1	216 8	4	5	3	9	6	2
6	2	9	8	7	1	5	4	3
18 5	3	4	9	126 6	2	80 1	8	7

Mirror

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

Multiplication table

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

Neighbouring Sudoku

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

Neighbours

1	9	4	16 3	9 7	2	5	6	8 8
7	3	14 6	5	4	8	9	1	2
8	20 5	2	9	6	1	3	10 7	10 4
9	7	5	8	3	6	4	2	1
23 2	8	3	1	9	29 4	7	5	6
6	16 4	1	11 2	20 5	7	8	3	12 9
5	1	7	4	2	9	6	8	3
3	2	9	6	8	5	1	4	7
4	6	8	7	18 1	3	2	9	5

No touch

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

Number 5 Still Alive

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

Overlap

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

Paint it black

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

Parallelograms

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

Parquet

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

Product

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

Quadruple

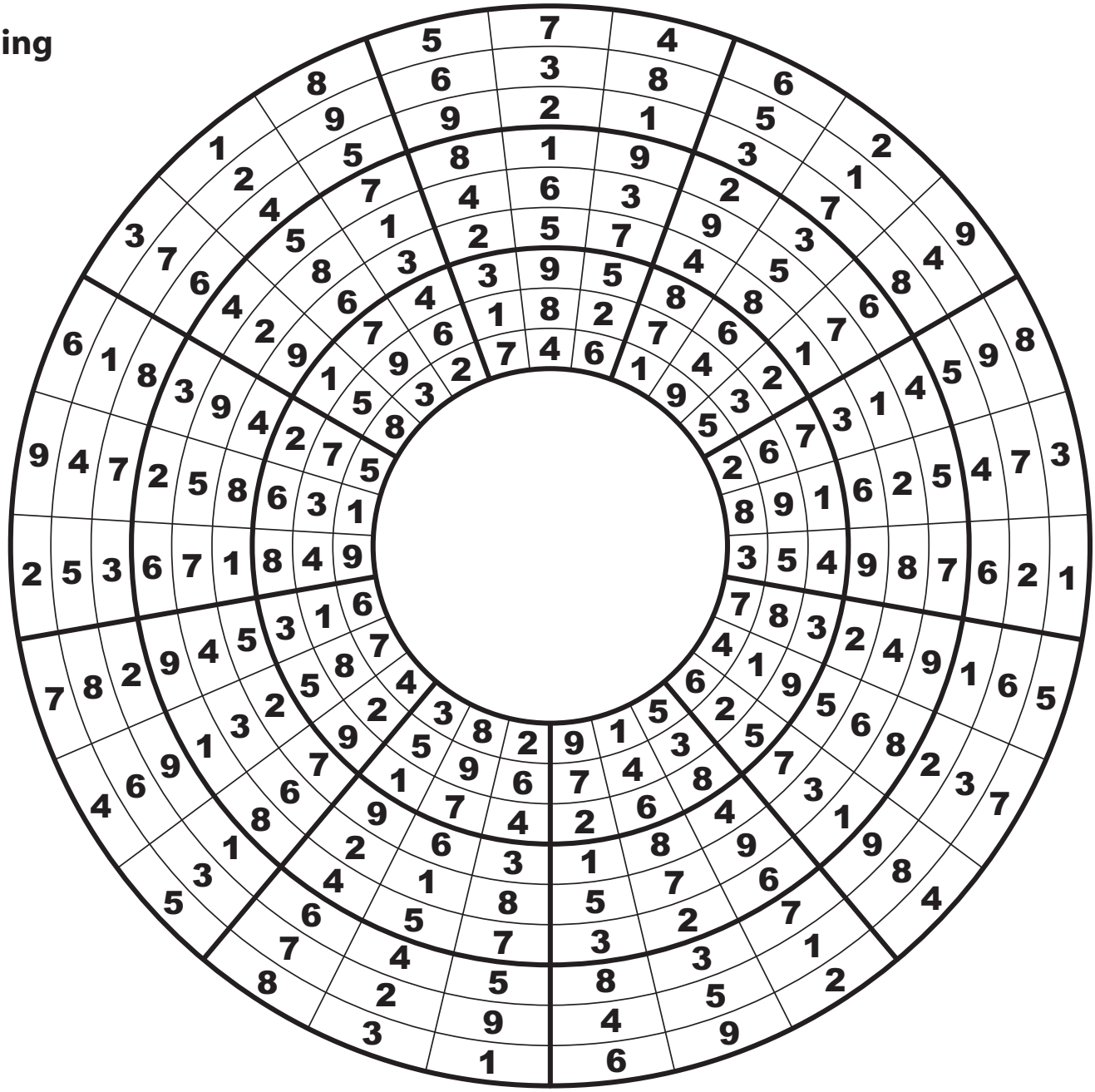
3	1	6	2	5	8	9	7	4
7	2	8	3	9	4	6	5	1
4	9	5	7	1	6	3	8	2
6	4	1	8	7	2	5	3	9
5	7	2	1	3	9	8	4	6
8	3	9	4	6	5	2	1	7
1	8	3	6	2	7	4	9	5
9	6	4	5	8	1	7	2	3
2	5	7	9	4	3	1	6	8

4589 1457 3578 1459 3458 2379 2589 2466 1689 1278 2359 4579

Ratio

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

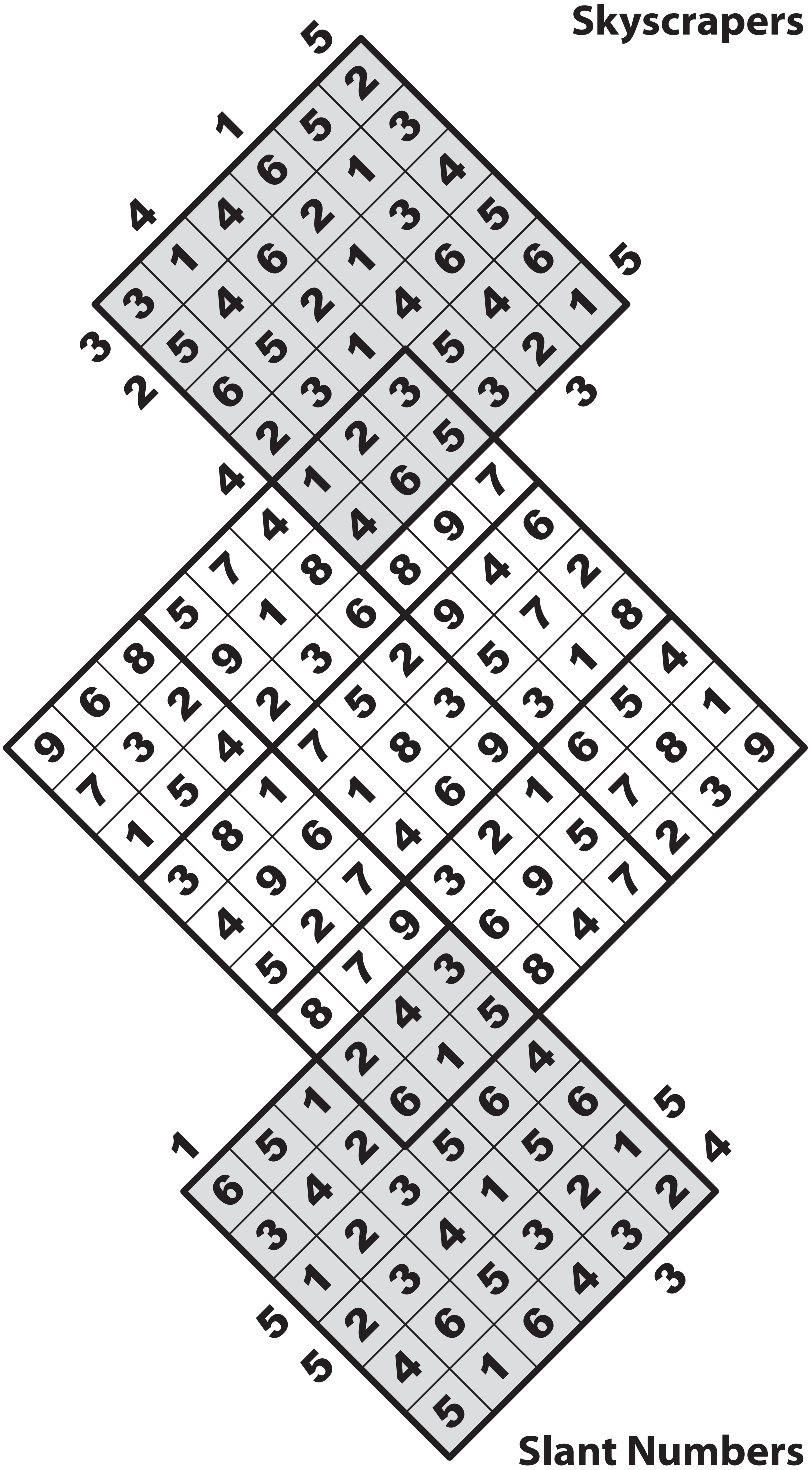
Ring



Roll sudoku

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

Skyscrapers



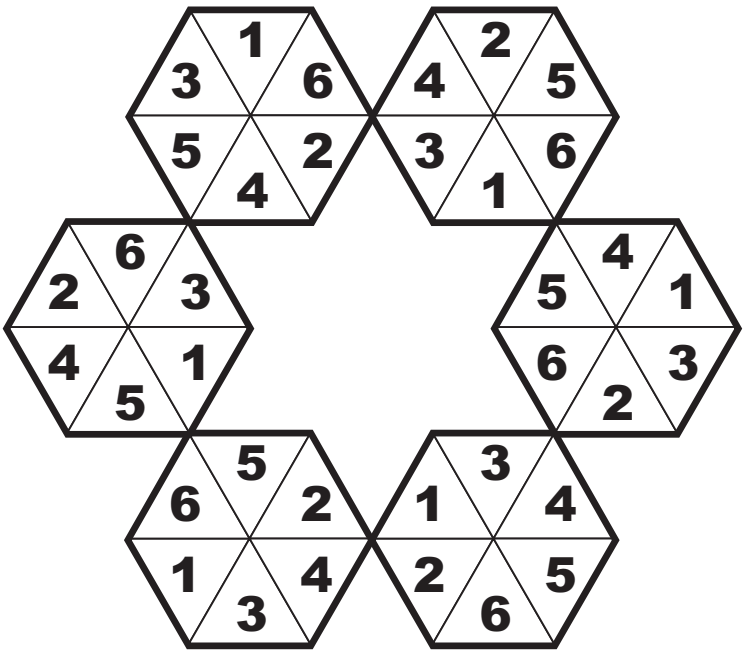
Slant Numbers

7/8	1/3	11/12	4/5	9/10	2/6
2/4	9/10	5/6	8/12	1/3	7/11
3/12	6/7	4/8	1/2	5/11	9/10
10/11	2/5	1/9	6/7	8/12	3/4
1/6	11/12	7/10	3/9	2/4	5/8
5/9	4/8	2/3	10/11	6/7	1/12

Small pieces

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

Snowflake



Transfer

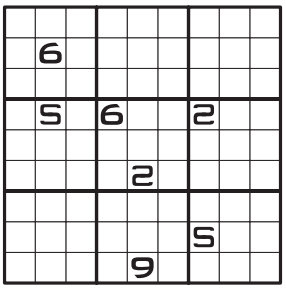
5	3	8	9	7	2	4	6	1	5	9	2	1
4	7	9	8	1	6	2	3	5	7	8	6	2
1	2	6	5	4	3	9	8	7	1	2	9	7
3	4	1	7	6	8	5	9	2	4	6	8	5
8	9	2	1	5	4	6	7	3	8	2	6	7
6	5	7	2	3	9	1	4	8	7	3	4	8
9	1	3	6	8	5	7	2	4	1	3	6	2
7	6	4	3	2	1	8	5	9	7	3	2	9
2	8	5	4	9	7	3	1	6	5	9	7	1
4	3	8	5	7	4	4	3	5				
3	9	6	7	1	9	1	8	3				
6	6	1	2	4	5	7	9	4				
9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

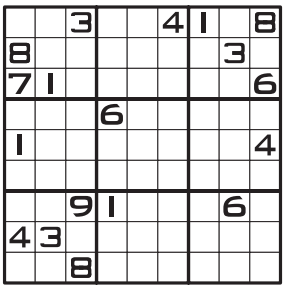
Sssssssudoku sssssssnake

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

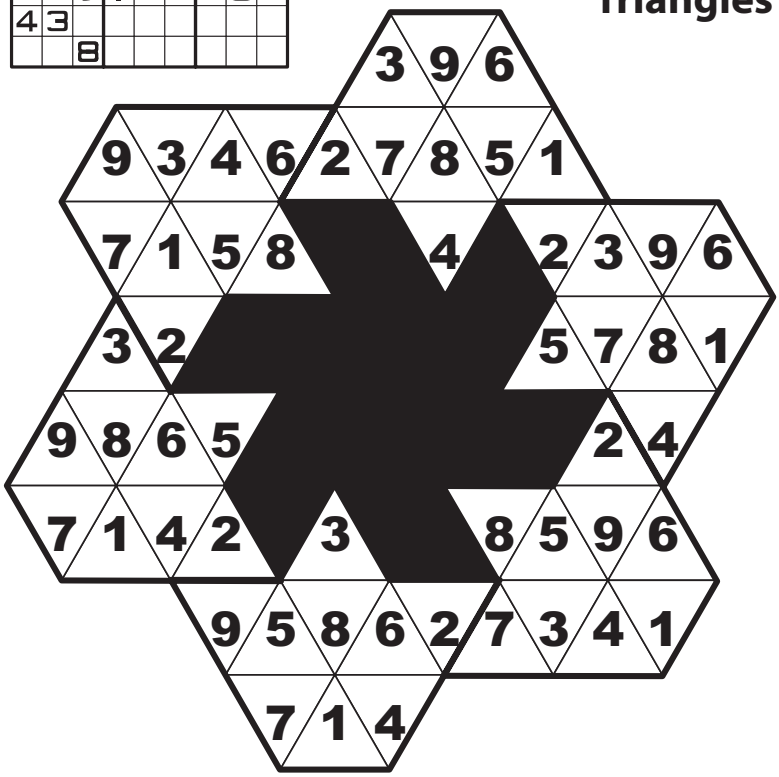
Transparent sudoku

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





Triangles



Twins

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

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

Untouchable Sudoku

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

XV

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

Zigzag

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

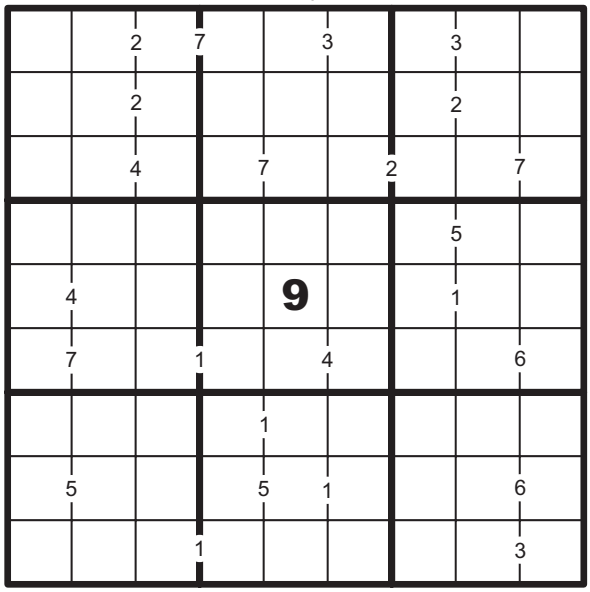
6 Nisan 2007

DÜZELTMELER
ERRATA

April 6th, 2007

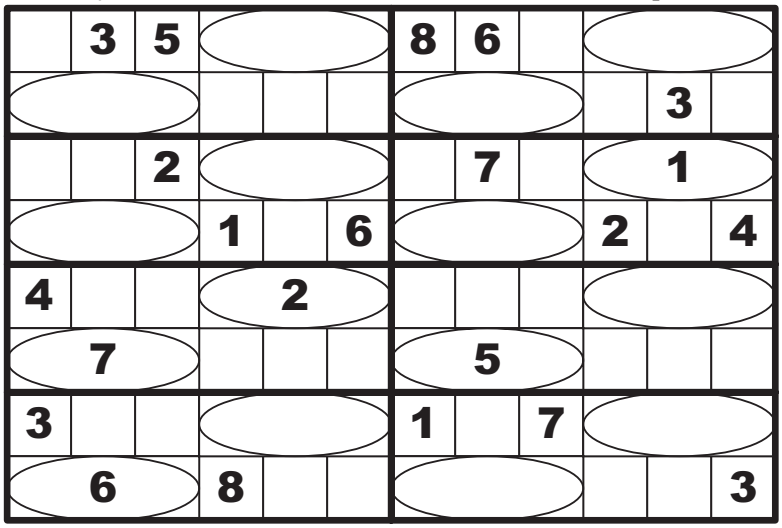
3 - 2 = 1

Çok çözümlüydü. Bir ipucu eklendi./
Had multiple solutions. One hint added.



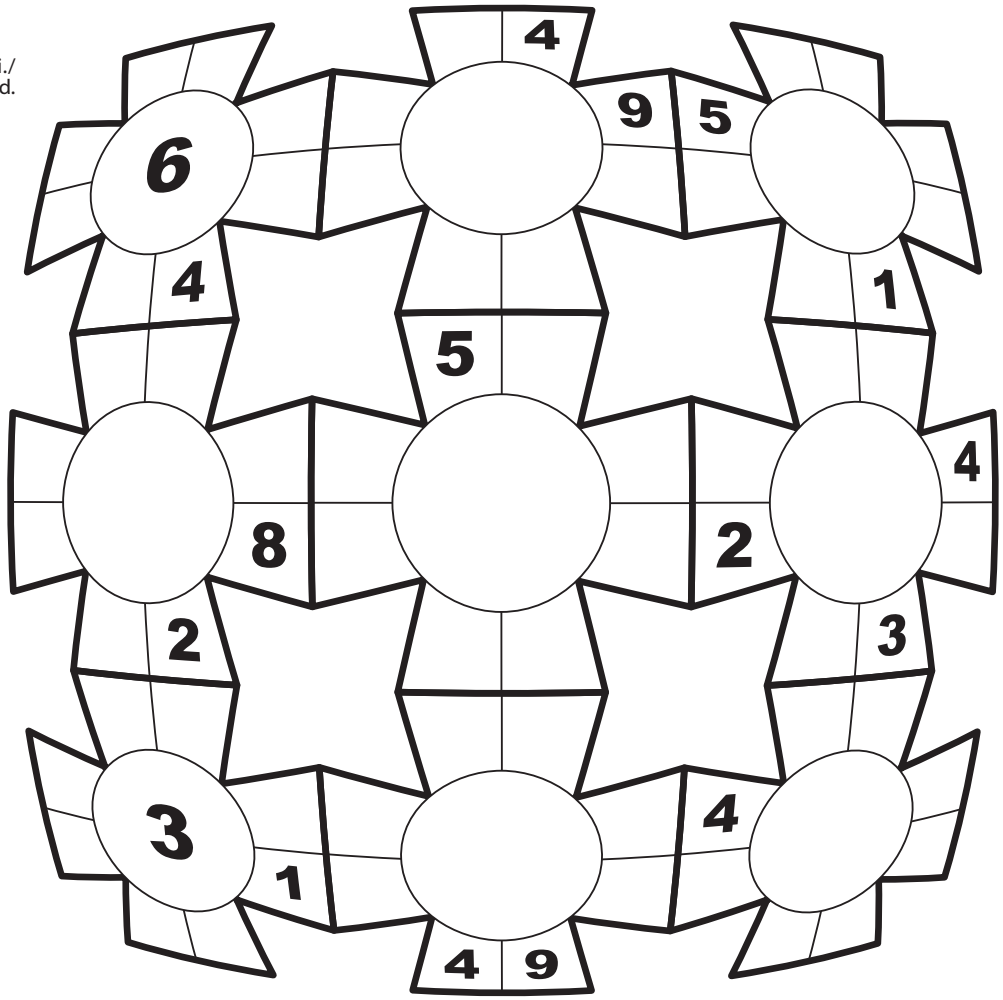
Çok çözümlüydü. Bir ipucu eklendi./
Had multiple solutions. One hint added.

Capsules



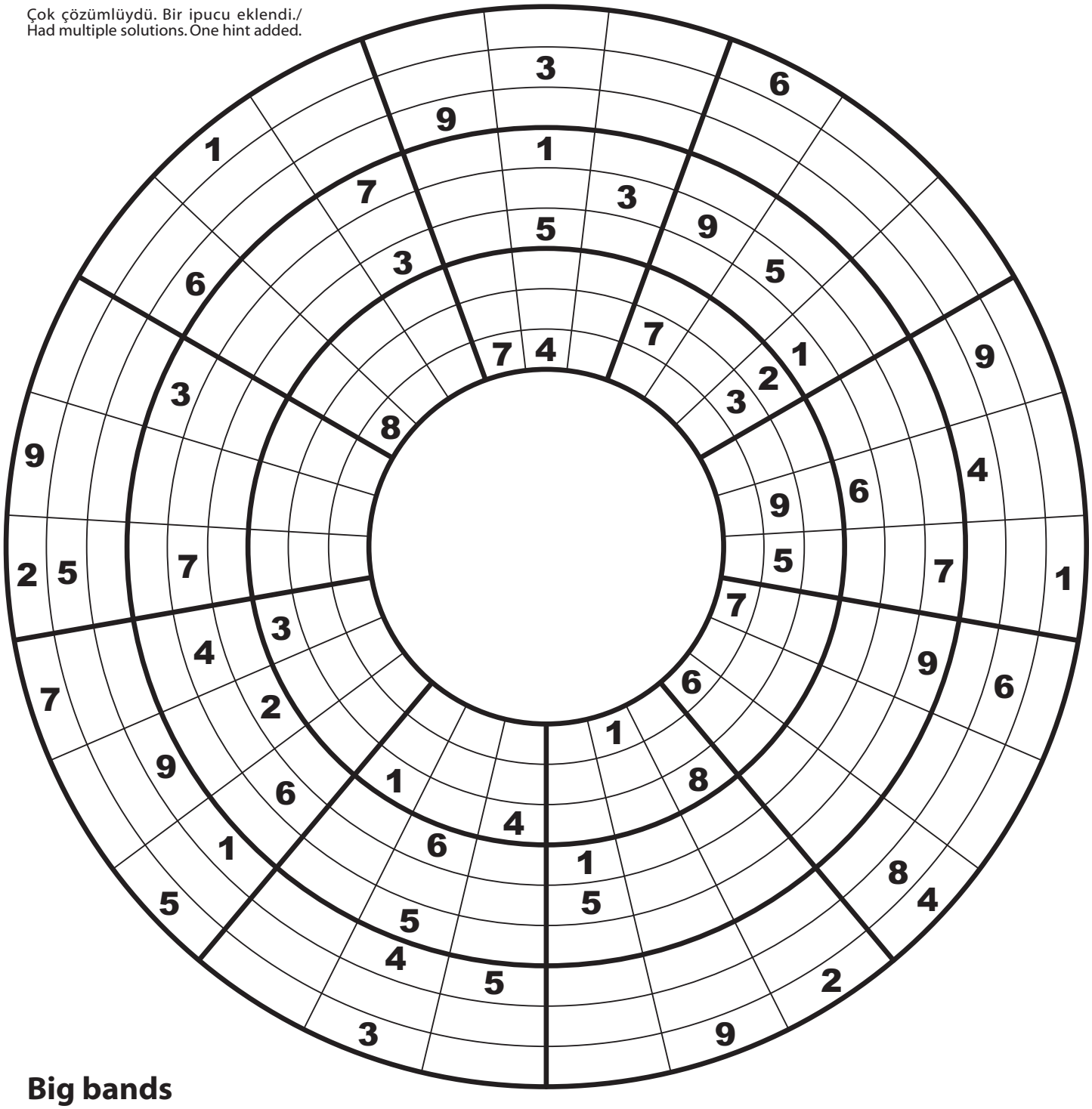
Ball

Çok çözümlüydü. Bir ipucu eklendi./
Had multiple solutions. One hint added.



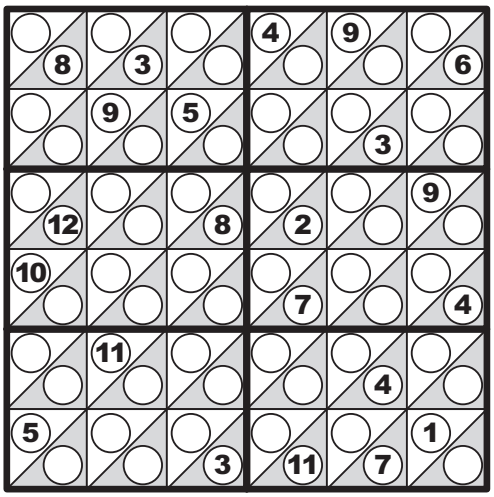
Ring

Çok çözümlüydü. Bir ipucu eklendi./
Had multiple solutions. One hint added.



Big bands

Çok çözümlüydü. Bir ipucu eklendi./
Had multiple solutions. One hint added.



Yönergelerdeki yeni soru Sudoku 2007 --28 Mart 2007

Final'de çıkacağı duyurulan Jigsaw Sudoku, Little Killer, Multiplication table, Slant Numbers --30-31 Mart 2007

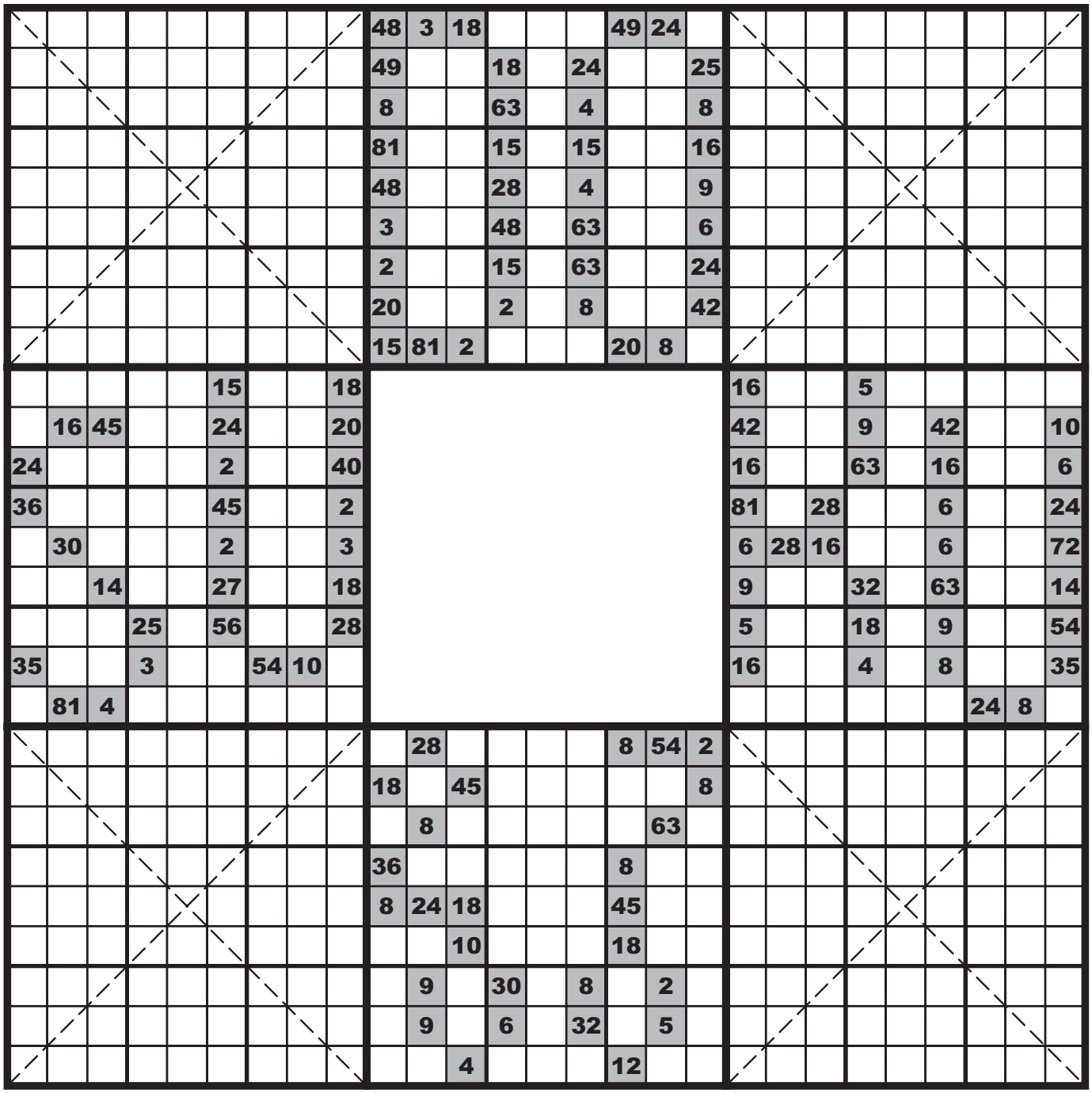
EKLEMELER
ADDENDA

A new puzzle in the instructions file, Sudoku 2007 --March 28th, 2007

Puzzles announced to be in the Playoff, Jigsaw Sudoku, Little Killer, Multiplication table, Slant Numbers --March 30-31st, 2007

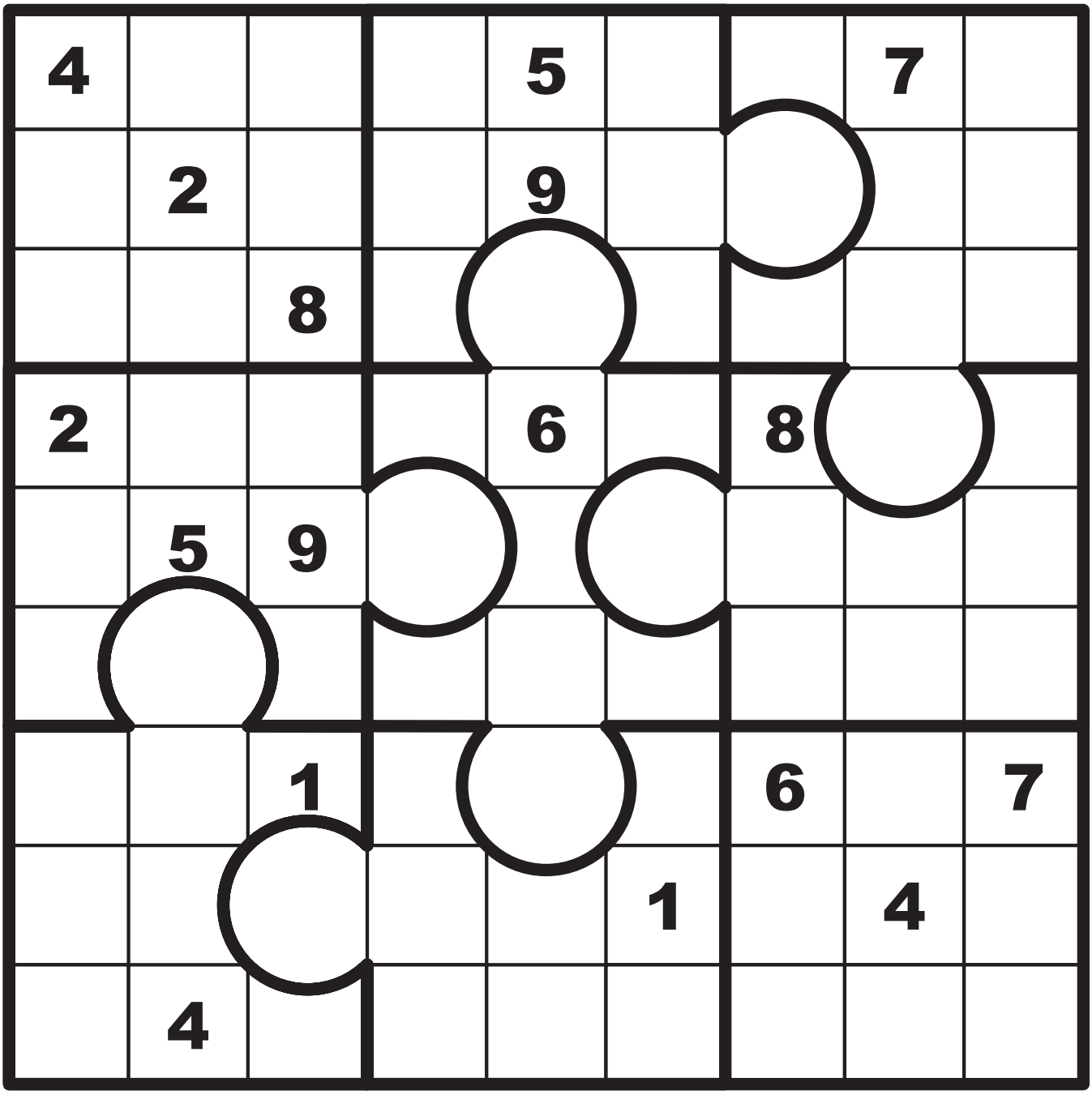
Sudoku 2007

There are four empty sudoku grids in the corners of the picture to be filled in. Some squares in the grid among them contain numbers that correspond to a product of two digits that should be placed in the neighbouring grids on the same position. 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, the nine outlined 3x3 regions and all main diagonals.



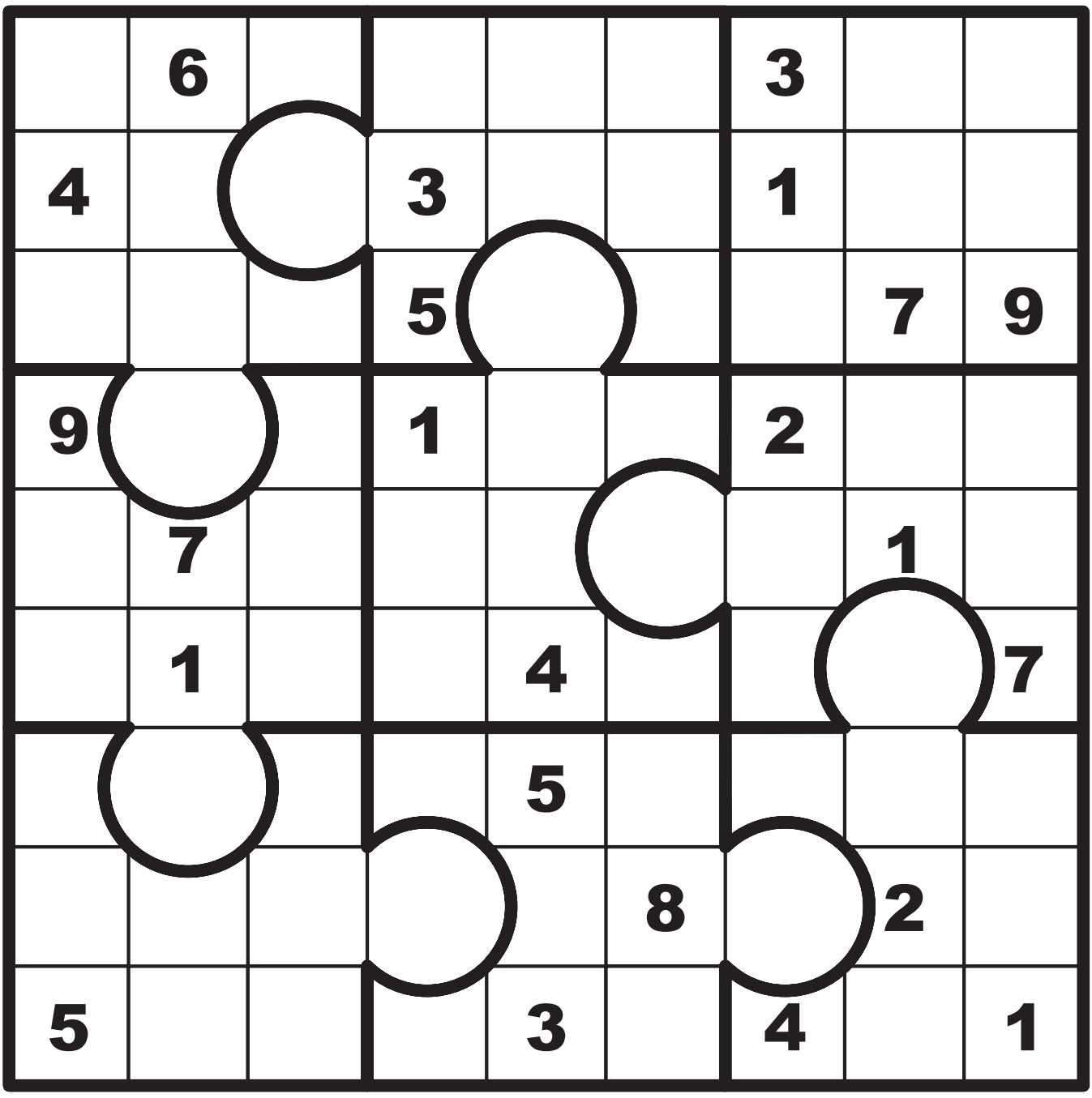
Jigsaw Roundoku 1

Fill in the whole 9x9 grid with numbers 1 through 9 (one number per cell) so that each horizontal line, each vertical line and each of the nine jigsaw shapes (outlined with the bold lines) must contain all the nine different numbers 1 through 9. The round parts of the jigsaw shapes must contain only „round" numbers – 3, 6, 8 and 9.



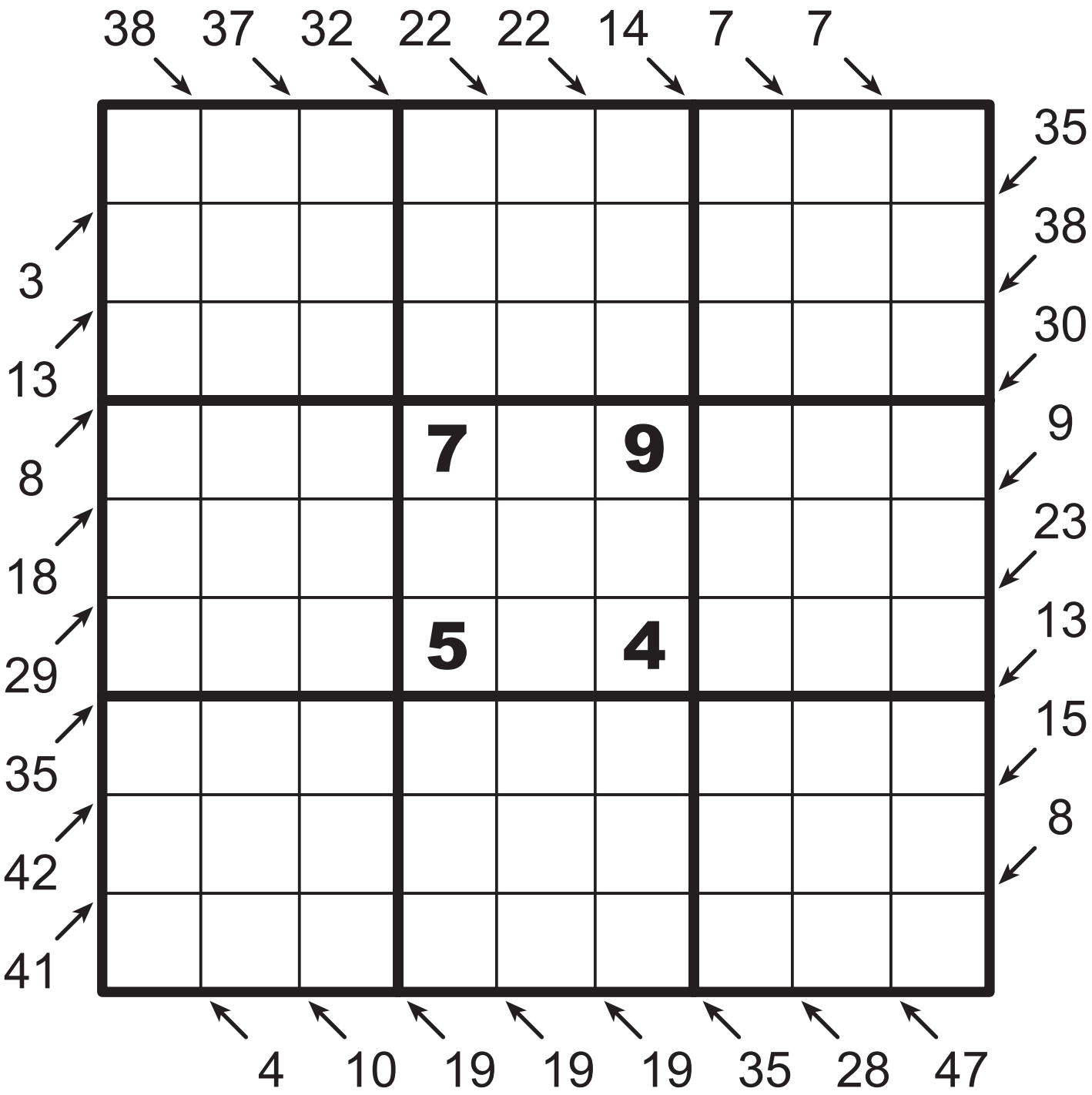
Jigsaw Roundoku 2

Fill in the whole 9x9 grid with numbers 1 through 9 (one number per cell) so that each horizontal line, each vertical line and each of the nine jigsaw shapes (outlined with the bold lines) must contain all the nine different numbers 1 through 9. The round parts of the jigsaw shapes must contain only „round" numbers – 3, 6, 8 and 9.



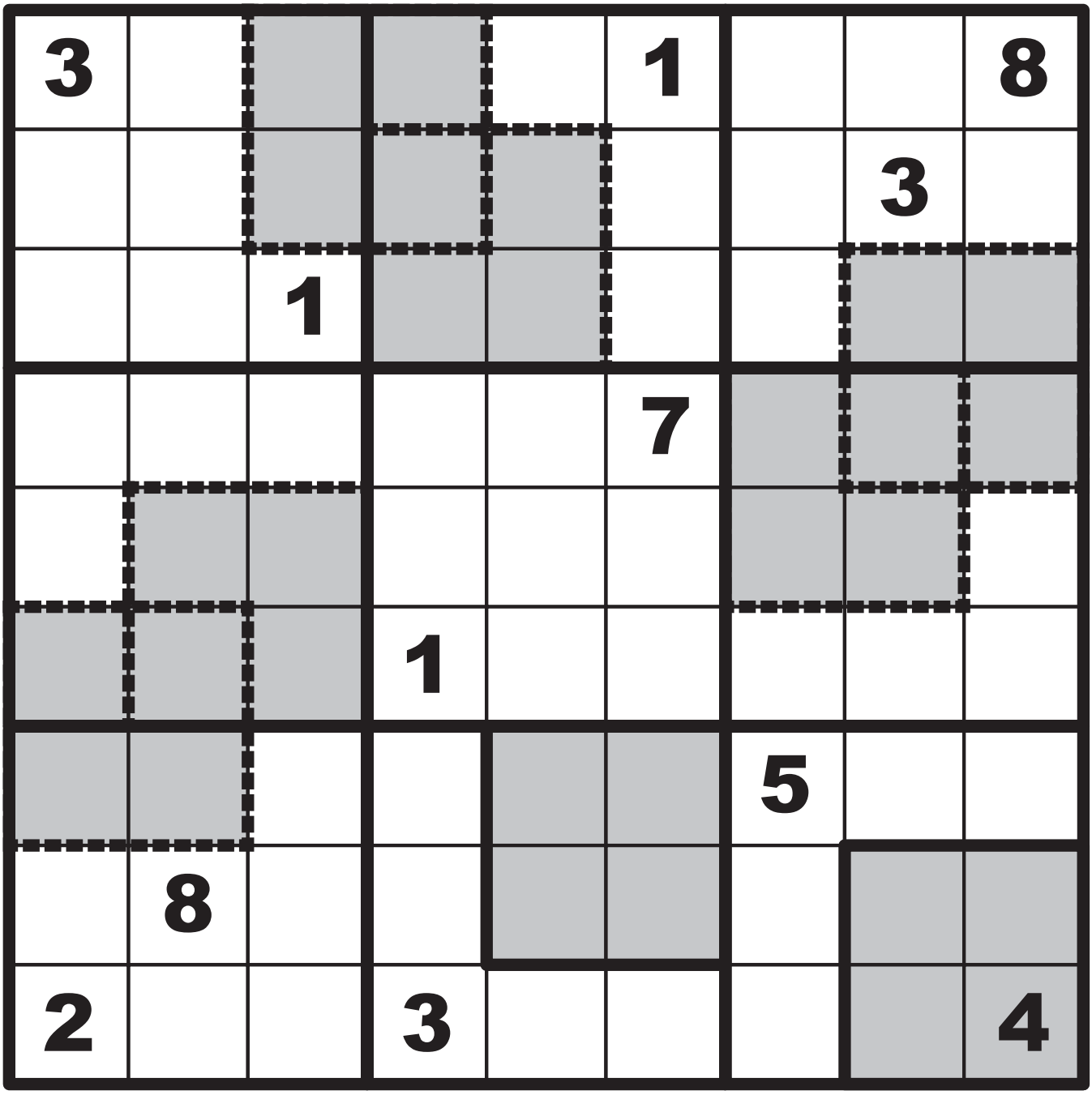
Little Killer

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, nine outlined 3x3 regions and each of the two main diagonals. Numbers with arrows indicate sum of the numbers in each direction.



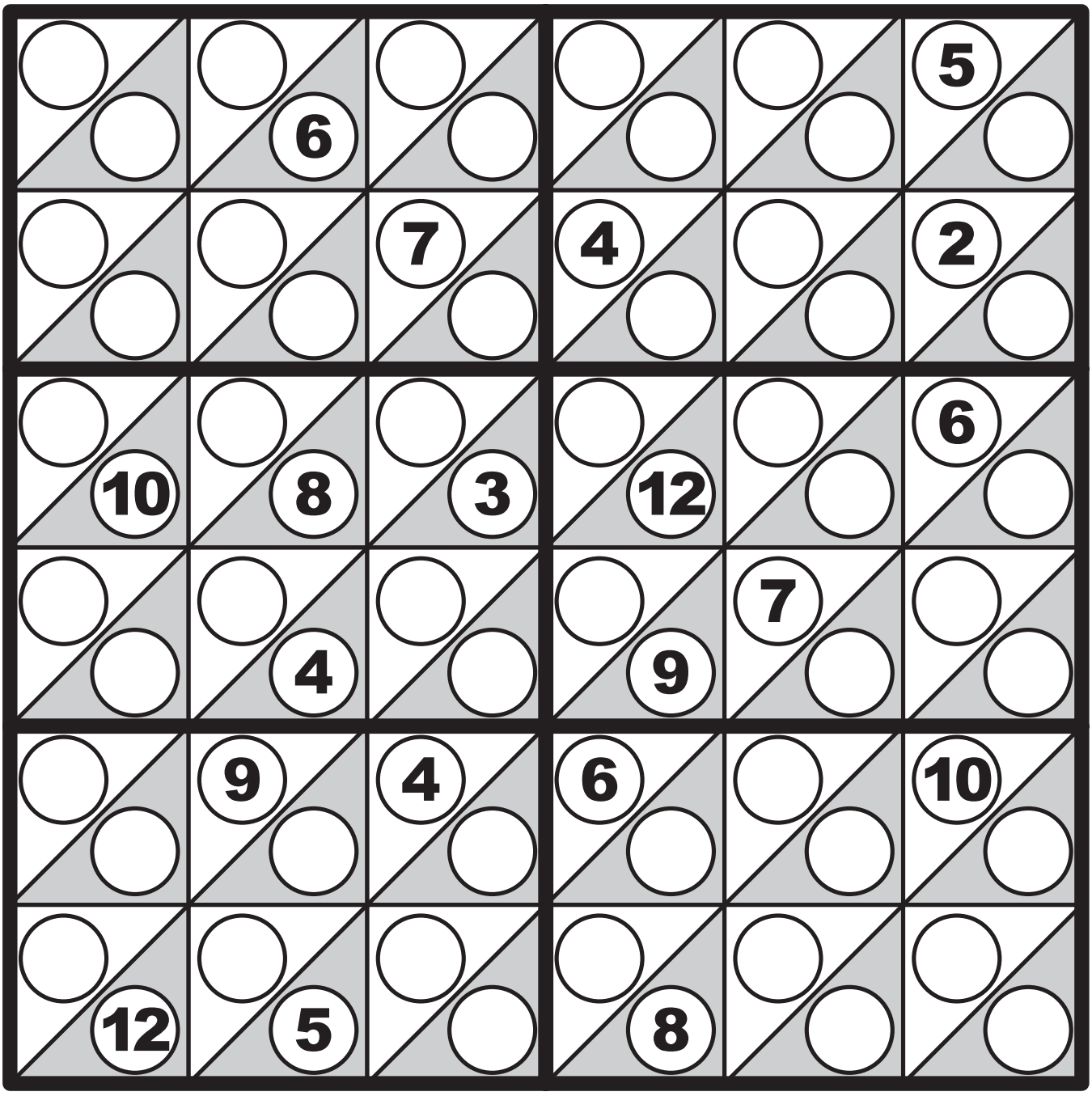
Multiplication table

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. Each highlighted 2x2 region contains examples of multiplication. Every lower highlighted row must contain the product of two numbers in the upper highlighted row.



Slant Numbers

Every square cells of a 6x6 square grid is divided diagonaly into two triangle sub-cells (white and grey) so that there are six vertical and six horizontal lines each consisting of twelve triangle sub-cells. Fill in the whole 6x6 grid with numbers 1 through 12 (one number per triangle subcell) so that each horizontal line, each vertical line, and each of the six 2x3 rectangles (outlined with the bold lines) must contain all the twelve different numbers 1 through 12. In each 1x1 square cell of the grid the bottom number (on the grey triangle) always must be greater than the top one on the white triangle.



EKLEMELERİN ÇÖZÜMLERİ

SOLUTIONS OF THE ADDENDA

Sudoku 2007

6	1	2	8	5	3	7	4	9	48	3	18				49	24		8	3	9	1	2	5	7	6	4
7	8	9	2	6	4	3	1	5	49			18		24			25	7	4	1	9	8	6	3	2	5
4	3	5	9	7	1	2	6	8	8			63		4			8	2	5	6	7	3	4	9	8	1
9	4	6	3	1	5	8	7	2	81			15		15			16	9	2	4	5	6	3	1	7	8
8	5	3	7	4	2	6	9	1	48			28		4			9	6	7	8	4	1	2	5	3	9
1	2	7	6	8	9	4	5	3	3			48		63			6	3	1	5	8	9	7	6	4	2
2	6	8	5	9	7	1	3	4	2			15		63			24	1	8	7	3	4	9	2	5	6
5	7	4	1	3	8	9	2	6	20			2		8			42	4	6	3	2	5	1	8	9	7
3	9	1	4	2	6	5	8	7	15	81	2				20	8		5	9	2	6	7	8	4	1	3
					15			18										16			5					
	16	45			24			20										42			9		42			10
24					2			40										16			63		16			6
36					45			2										81		28			6			24
	30				2			3										6	28	16			6			72
		14			27			18										9			32		63			14
			25		56			28										5			18		9			54
35			3			54	10											16			4		8			35
	81	4																						24	8	
9	4	7	8	3	5	1	6	2		28					8	54	2	2	7	4	5	3	6	8	9	1
3	2	5	9	1	6	7	8	4	18		45						8	6	5	9	1	8	7	4	3	2
6	8	1	7	4	2	3	9	5		8						63		8	1	3	9	2	4	5	7	6
4	7	3	6	5	9	8	2	1	36						8			9	6	7	8	5	2	1	4	3
8	6	9	2	7	1	5	4	3	8	24	18				45			1	4	2	7	6	3	9	5	8
1	5	2	4	8	3	9	7	6			10				18			3	8	5	4	1	9	2	6	7
2	3	6	5	9	8	4	1	7		9		30		8		2		5	3	8	6	4	1	7	2	9
7	1	8	3	2	4	6	5	9		9		6		32		5		4	9	6	2	7	8	3	1	5
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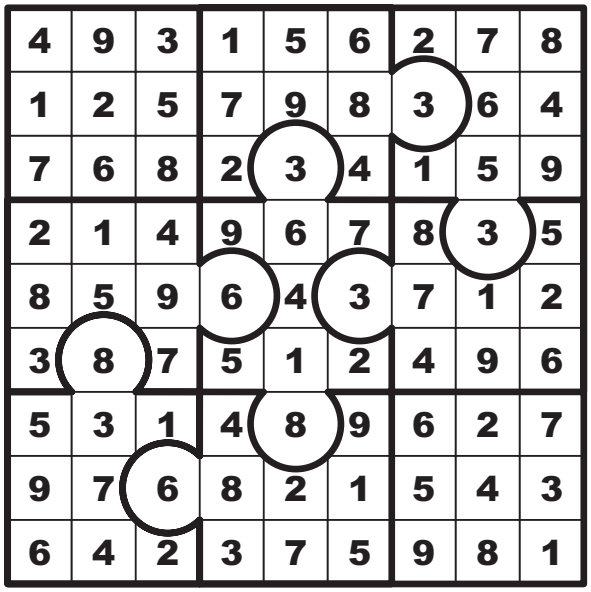
Jigsaw Roundoku 1



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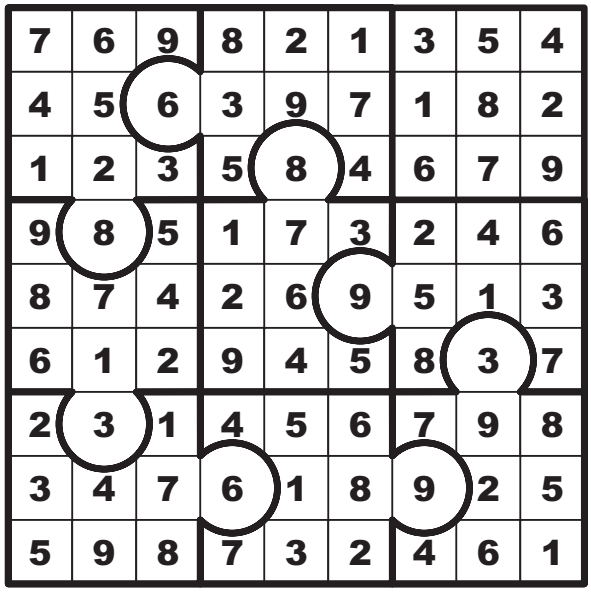
6	4	2	3	7	5	9	8	1

Jigsaw Roundoku 2



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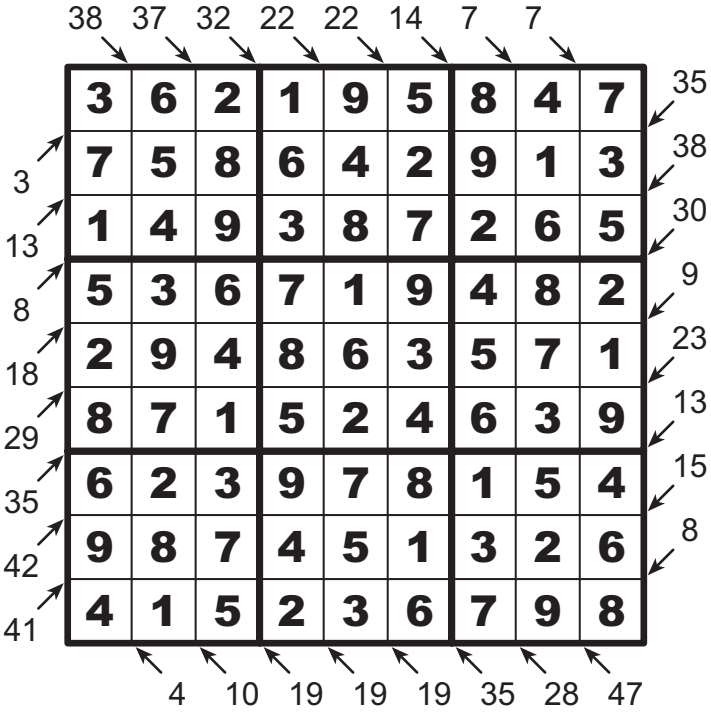
8	7	4	2	6	9	5	1	3
6	1	2	9	4	5	8	3	7
2	3	1	4	5	6	7	9	8
3	4	7	6	1	8	9	2	5
5	9	8	7	3	2	4	6	1

Little Killer



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

Multiplication table

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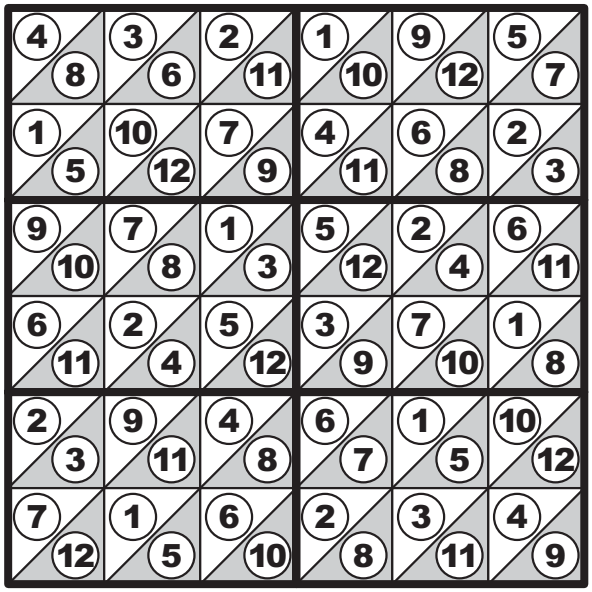
2	7	5	3	6	8	9	1	4

Slant Numbers



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9 / 10	7 / 8	1 / 3	5 / 12	2 / 4	6 / 11
6 / 11	2 / 4	5 / 12	3 / 9	7 / 10	1 / 8
2 / 3	9 / 11	4 / 8	6 / 7	1 / 5	10 / 12
7 / 12	1 / 5	6 / 10	2 / 8	3 / 11	4 / 9