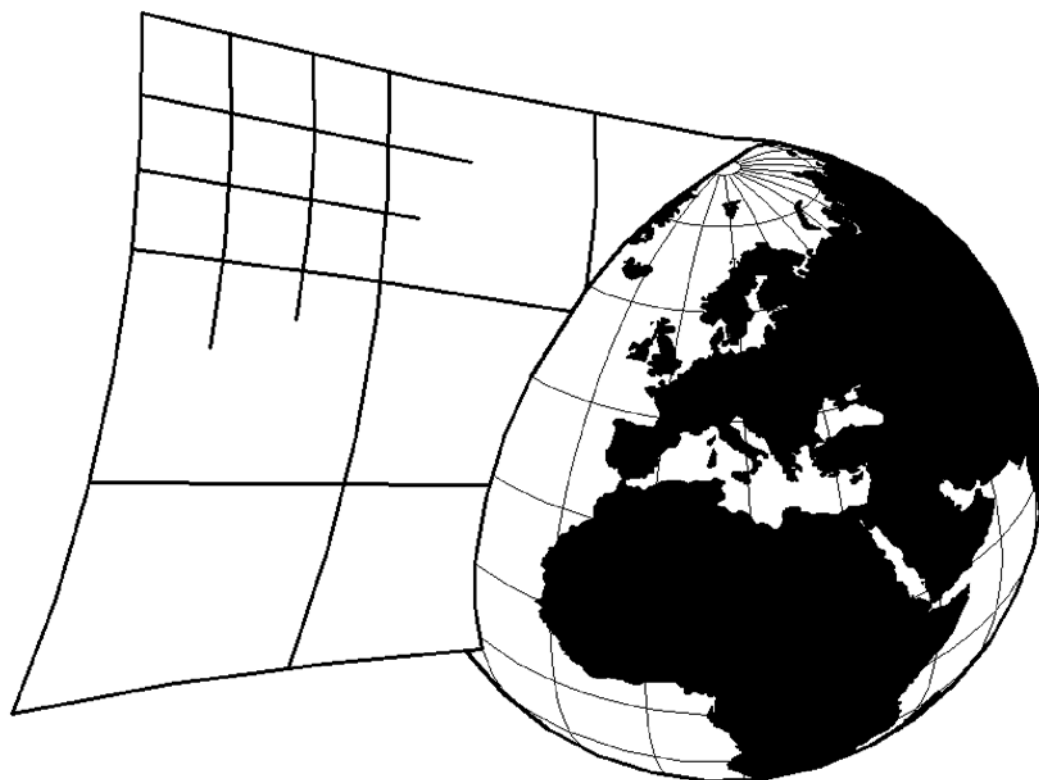


SUDOKUCUP

Competition puzzles

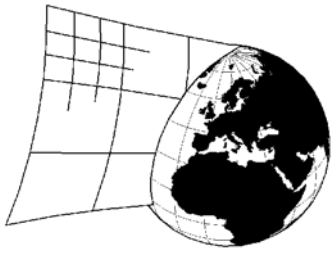


SUDOKUCUP

5.

SUDOKUCUP.COM

Kabrňáci



SUDOKUCUP.COM

SUDOKUCUP 5.

Kabrňáci

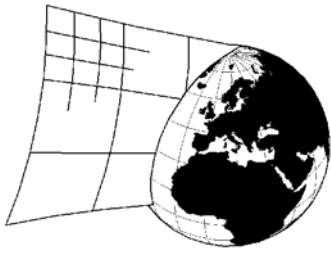
Classic Sudoku (7 points)

Write a single number from 1 to 9 in each cell such that each number appears exactly once in every row, column, and bolded 3x3 box.

2
▽

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

△



SUDOKUCUP.COM

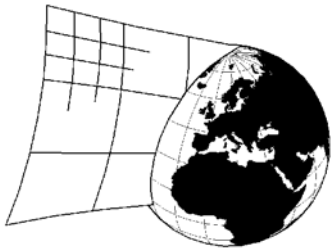
SUDOKUCUP 5.

Kabrňáci

External sudoku (14 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. Also fill in the grey square so that numbers 1-7 appear exactly once on each side and the difference between them is at least 2 (they are nonconsecutive).

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



SUDOKUCUP.COM

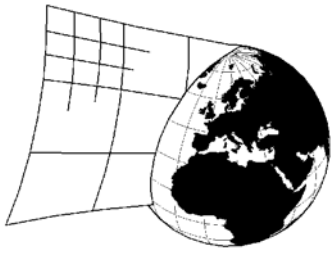
SUDOKUCUP 5.

Kabrňáci

Colored sudoku (16 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. The same numbers cannot repeat in the same positions within the nine outlined squares.

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



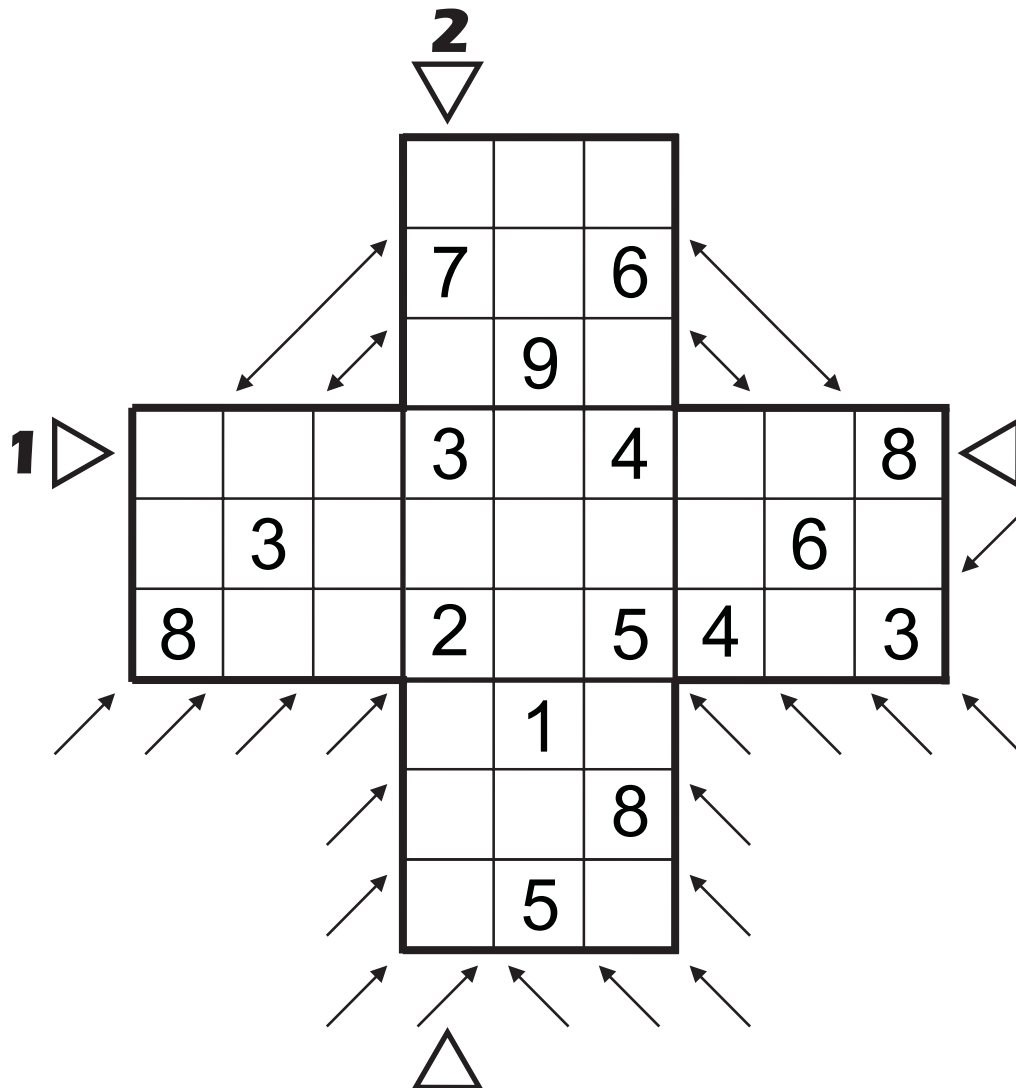
SUDOKUCUP.COM

SUDOKUCUP 5.

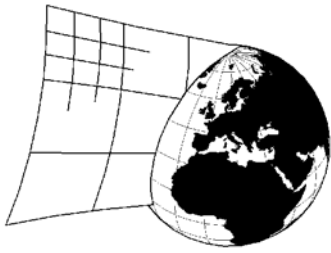
Kabrňáci

Cross sudoku (7 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and in five outlined squares 3x3. The numbers also cannot repeat within all diagonal directions.



4 - 15



SUDOKUCUP.COM

SUDOKUCUP 5.

Kabrňáci

Pencilmarks (26 points)

In each cell there are shown all numbers which may be in that cell. Choose one of the numbers so that they appear exactly once in each row, column and outlined square 3x3.

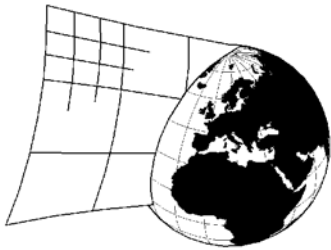
▽ 2

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

1 ▷

△

◁



SUDOKUCUP.COM

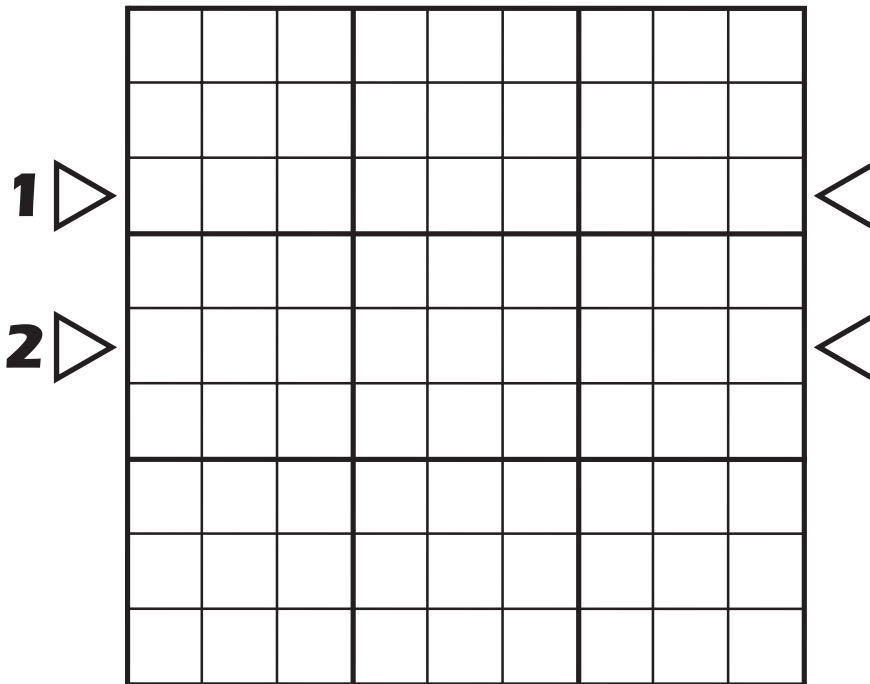
SUDOKUCUP 5.

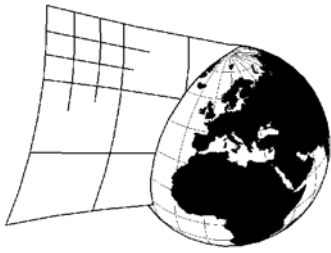
Kabrňáci

Coded sudoku (28 points)

Blacken some cells in the first diagram. The numbers outside the grid indicate the amount of successive blackened cells in that direction. If there are more numbers outside the grid, it means there are some white cells between the black ones. Then transfer the numbers from blackened cells to the same positions into the second diagram. Solve the classic sudoku so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3.

6	8	6	5	6	4	7	9	2	3
9	4	3	7	2	8	1	5	3	1 1 1
5	4	7	3	9	6	5	2	8	1 1
1	7	2	9	5	3	8	4	6	1 2
9	6	9	8	8	2	3	7	1	1 1
8	3	4	6	1	7	9	2	5	1 1 1
7	5	8	1	4	3	2	9	9	1 1 1
3	9	4	2	7	5	6	1	8	1 1 1
2	2	1	9	3	6	3	8	3	3 2
2	1	1	1	2	0	4	1	1	
3	1	1	1	2			1	1	
	1	1	1				1		





SUDOKUCUP.COM

SUDOKUCUP 5.

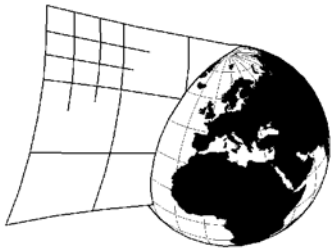
Kabrňáci

Domino sudoku (24 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. Also place all the given domino pieces in the grid. The borders of domino pieces are shown.

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

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



SUDOKUCUP.COM

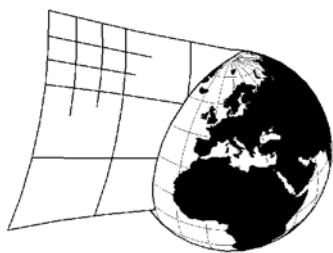
SUDOKUCUP 5.

Kabrňáci

KenKen (25 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and colored square 3x3. In the outlined regions some arithmetic operations proceed just like the mathematical signs show. The number next to the sign is the result of the operation. If there is a sign '/' or '-' for 3 cells, it means the division respectively subtraction is gradual.

	2-	18+		10x	41+		2/	
			324x				140x	
1 ▷				0-				28x
	24x		3/			27+	2/	
2 ▷	360x			3/				26+
	14+							
			448x		2-		3-	3-
		126x			3-	9+		3-
			1-					



SUDOKUCUP.COM

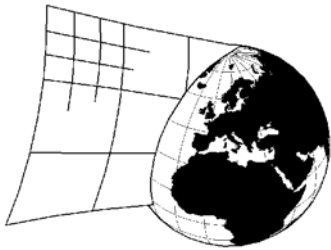
SUDOKUCUP 5.

Kabrňáci

Snake sudoku (20 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. The head (1) and the tail (9) of the snake are highlighted in gray. The snake goes exactly through 4 following cells in each square 3x3 whereas numbers in these 4 cells increase from the head to the tail. The snake cannot touch itself, even by corner.

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



SUDOKUCUP.COM

SUDOKUCUP 5.

Kabrňáci

Slovak Fence Sudoku (26 points)

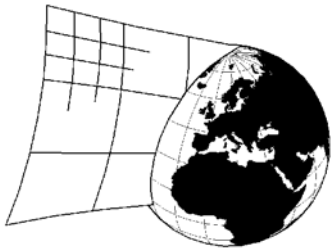
Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. There is also one closed fence in the grid, which is formed by edges of some cells. The fence cannot touch itself and doesn't go more times by the same side of the cell. All the numbers 1, 2, and 3 show how many edges of the cell belong to the fence. All the numbers 4 and 5 represent the sheep, which have to be inside the fence. All the numbers 9 represent the wolves, which have to be outside the fence. The given numbers 6, 7, and 8 represent the shepherds who have to be inside the fence, watching over the sheep (the rest of numbers 6, 7, and 8 may be either inside or outside). Getting it easier we highlighted some of the numbers that are inside and satisfy the conditions written above.

▽ 2

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

△

10 - 15



SUDOKUCUP.COM

SUDOKUCUP 5.

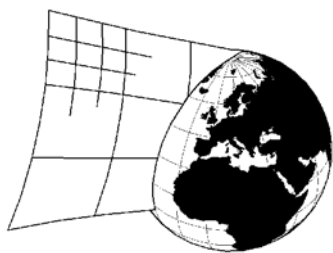
Kabrňáci

Romans Sudoku (26 points)

Fill in the grid so that the roman numbers 1-9 appear exactly once in each row, column and outlined square 3x3. Some parts of the numbers are already given.

Please put Arabic numerals into the answering form, not Roman ones.

	IV		V	II	I	V	X	II
		VII	I	I	VII	II	VI	I
		X	III		II	V	VI	IV
	III				X	VI	I	V
V	V	IV	VI		III	I	II	III
I	VI	III	V		V			V
III	I	II	III	I	VI	I		I
V	VI	V	I	II	V		III	X
III	X	I	II	V	V			

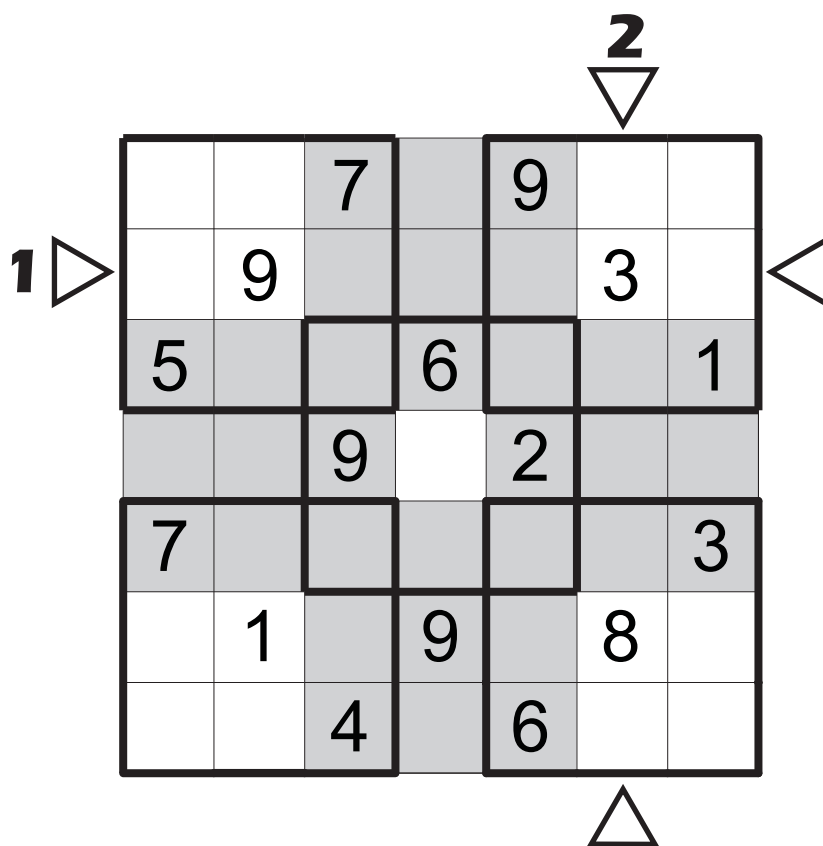


SUDOKUCUP.COM

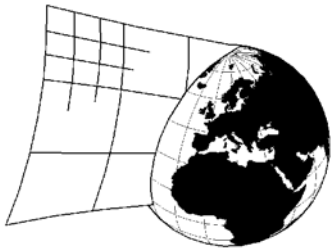
SUDOKUCUP 5.

Kabrňáci

Surprise (15 points)



12 - 15



SUDOKUCUP.COM

SUDOKUCUP 5.

Kabrňáci

Symmetrical even-odd Sudoku (20 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column, outlined square 3x3 and the two shown diagonals. All the even numbers are placed symmetrically according to the diagonals.

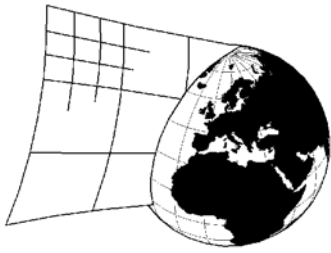
2
▽

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

△

1 ▷

▷



SUDOKUCUP.COM

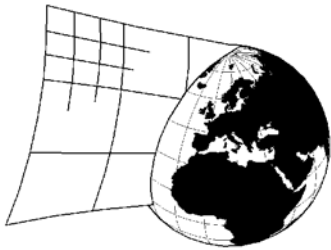
SUDOKUCUP 5.

Kabrňáci

Unique Order Sums (21 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. There are some outlined cages in the grid. Each cage has different value (sum of the appropriate numbers). All the cages are ordered according to their value, starting with 1 in the cage with the smallest value. Some cages have their order numbers given in the upper left corner.

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



SUDOKUCUP.COM

SUDOKUCUP 5.

Kabrňáci

Arrow Sudoku (25 points)

Fill in the grid so that the numbers 1-9 appear exactly once in each row, column and outlined square 3x3. The ovals form two-digit numbers, read from left to right or down from top.

The ovals and circles represent sum or product of all the numbers from cells which the arrow goes through. If there are more arrows coming from the oval or circle, each of these arrows is considered separately. The numbers may repeat within the arrow.

The grid is a 9x9 grid with a 3x3 grid of 3x3 squares. The grid contains the following numbers and symbols:

- Row 1: 9, 3, (empty), (empty), (empty), (empty), (empty), (empty), (empty)
- Row 2: (empty), 1, 5, (empty), (empty), 9, (empty), (empty), (empty)
- Row 3: (empty), (empty), 7, (empty), 9, (empty), (empty), (empty), (empty)
- Row 4: (empty), (empty), (empty), (empty), (empty), (empty), (empty), (empty), (empty)
- Row 5: (empty), (empty), 9, (empty), (empty), (empty), (empty), 7, (empty)
- Row 6: (empty), (empty), (empty), (empty), (empty), (empty), 3, (empty), (empty)
- Row 7: 3, (empty), (empty), (empty), 1, (empty), (empty), (empty), (empty)

Arrows and symbols:

- Row 1, Col 7: Oval containing 7. Arrow points right to Row 1, Col 8.
- Row 2, Col 3: Oval containing 5. Arrow points down to Row 3, Col 3.
- Row 2, Col 5: Oval containing 5. Arrow points down to Row 3, Col 5.
- Row 3, Col 6: Circle containing 3. Arrow points right to Row 3, Col 7.
- Row 4, Col 1: Oval containing 5. Arrow points down to Row 5, Col 1.
- Row 4, Col 2: Oval containing 5. Arrow points down to Row 5, Col 2.
- Row 5, Col 4: Oval containing 5. Arrow points down to Row 6, Col 4.
- Row 5, Col 6: Oval containing 5. Arrow points down to Row 6, Col 6.
- Row 6, Col 3: Oval containing 5. Arrow points down to Row 7, Col 3.
- Row 6, Col 4: Oval containing 5. Arrow points down to Row 7, Col 4.
- Row 6, Col 5: Oval containing 5. Arrow points down to Row 7, Col 5.
- Row 6, Col 6: Oval containing 5. Arrow points down to Row 7, Col 6.
- Row 6, Col 7: Oval containing 5. Arrow points down to Row 7, Col 7.
- Row 6, Col 8: Oval containing 5. Arrow points down to Row 7, Col 8.
- Row 6, Col 9: Oval containing 5. Arrow points down to Row 7, Col 9.

External symbols:

- Top center: Number 2 above a downward-pointing triangle.
- Left center: Number 1 to the left of a rightward-pointing triangle.
- Bottom center: An upward-pointing triangle.
- Right center: A leftward-pointing triangle.