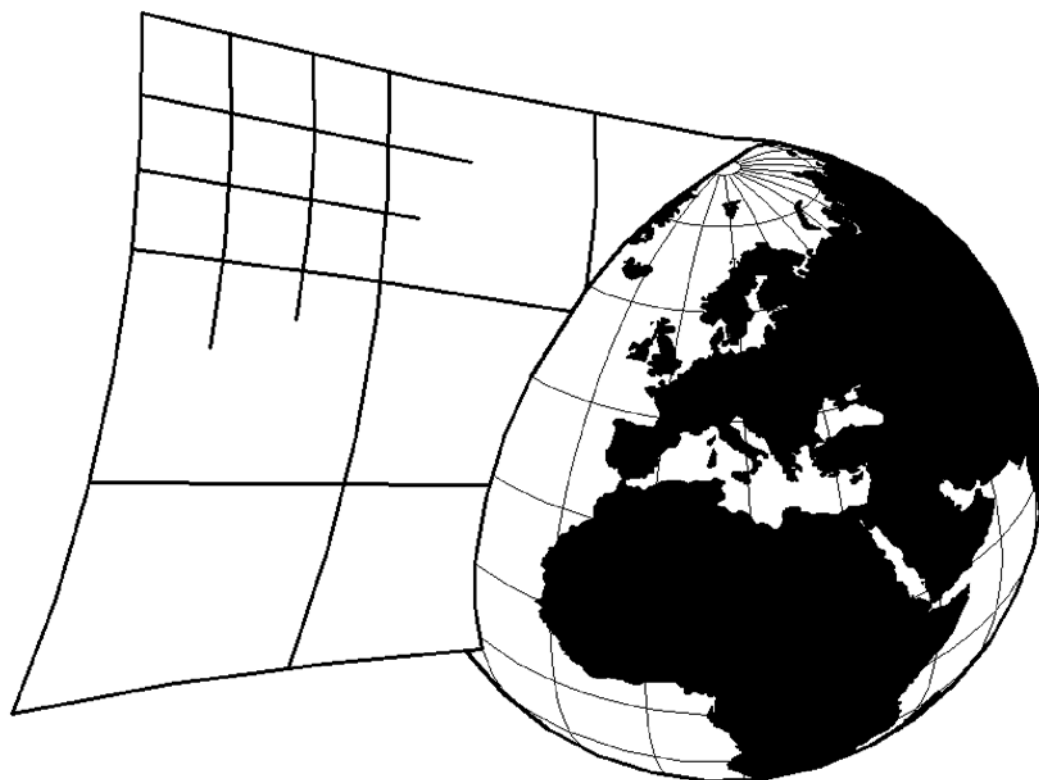


SUDOKUCUP

Competition puzzles

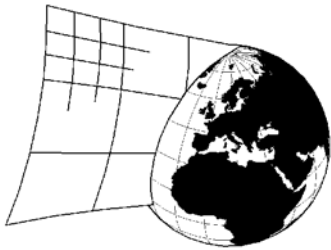


SUDOKUCUP

7

SUDOKUCUP.COM

***Tournament
of HALAS
league***



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

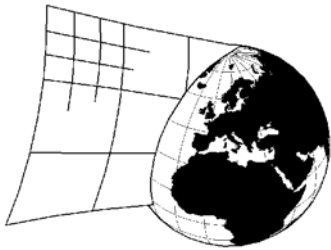
Classic Sudoku (9 points)

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

2
▽

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

△



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

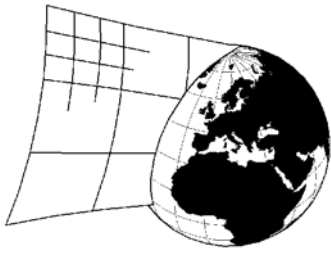
	4					8	
6			5		9		2
		7				1	
	3			1			4
			2		3		
	8			7			3
		6					
2			9	6			
	5						

			8	5		3		7		2
							4			
			2	1		9		3		8

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

Multi (32 points)

Sudoku consists of three particular grids in which apply standard sudoku rules:
write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box.



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

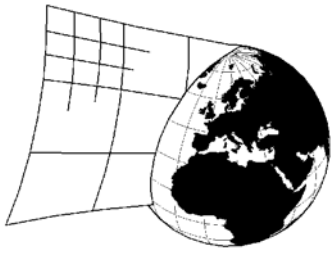
Classic Sudoku (8 points)

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

2
▽

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

△



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

Even Sudoku (10 points)

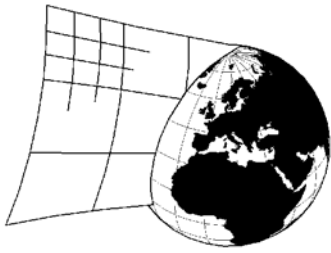
Write a single number from 1 to 9 in each cell such that each number appears exactly once in every row, column, and bolded 3x3 box. The grey cells must contain even digits.

2
▽

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

△

1 ▷ ◁



SUDOKUCUP.COM

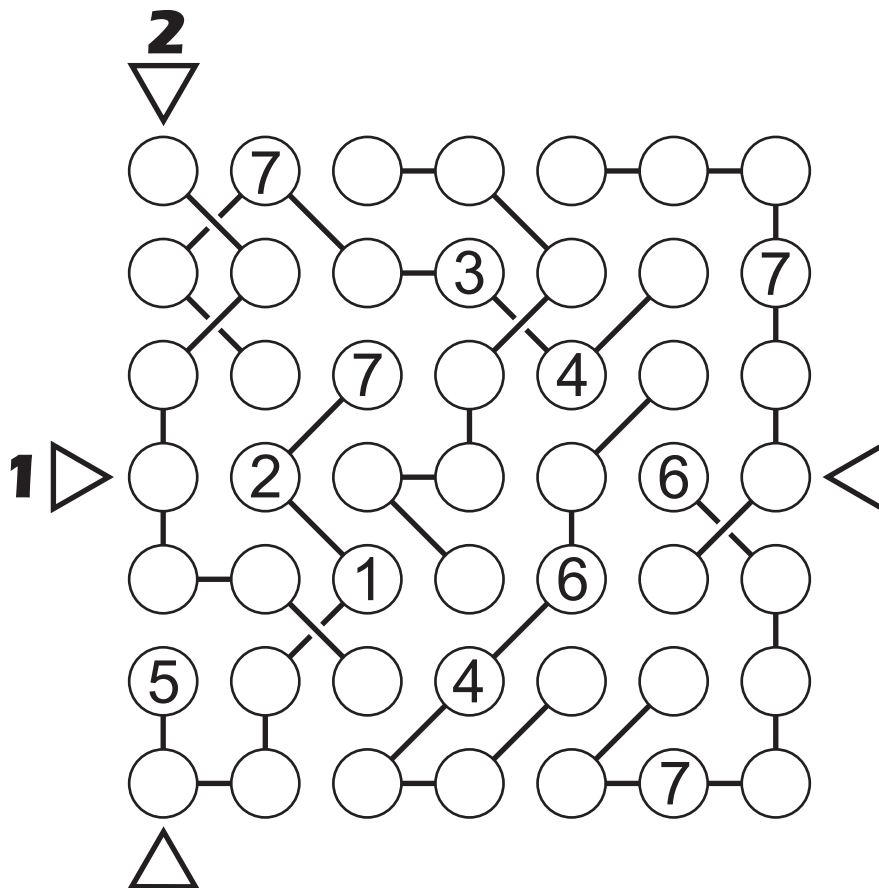
SUDOKUCUP

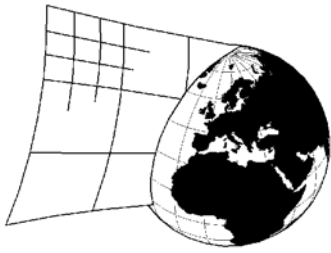
7

**Tournament
of HALAS
league**

Chains (16 points)

Write a single number from 1 to 7 in each cell such that each number appears exactly once in every row, column, and in every marked chain.





SUDOKUCUP.COM

SUDOKUCUP 7

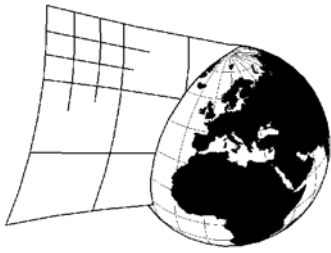
**Tournament
of HALAS
league**

Killer (16 points)

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box. The sum of the cells must equal the total given for the cage in the upper right of the cage. Each digit in the cage must be unique.

			1 ▽				2 ▽			
12	17		24		8			5		
		10			5		22			
12			9		7	17				
11		6					15			
12		11		16		15				
12		10	13		11	4			17	
	11			18		9				
4		9					9			
	15		9		12			8		
			△				△			

6 - 17



SUDOKUCUP.COM

SUDOKUCUP

7

**Tournament
of HALAS
league**

GT (17 points)

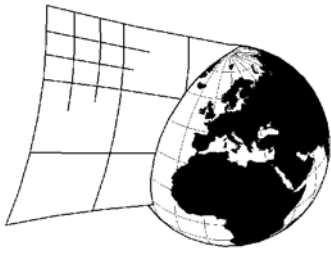
Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box. There are given symbols of 'greater than' (>) or 'less than' (<) on the common line of two adjacent cells.

2
▽

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

1 ▷ ▷

△



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

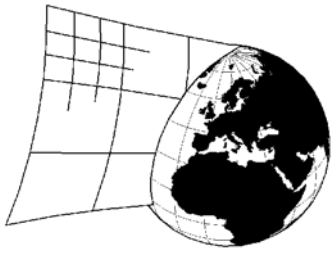
Non-consecutive (18 points)

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. No numbers in vertically or horizontally adjacent cells will be consecutive numbers.

2
▽

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

△



SUDOKUCUP.COM

SUDOKUCUP

7

**Tournament
of HALAS
league**

Jigsaw (12 points)

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 irregularly shaped regions.

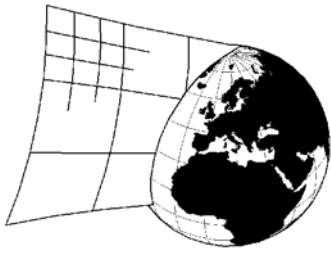
5		3			6		7	
				6				1
2			1					
		7			4			8
	9			8			3	
4			7			5		
					5			6
6				4				
	4		5			9		2

1
▽

2
▽

△

△



SUDOKUCUP.COM

SUDOKUCUP

7

**Tournament
of HALAS
league**

Greater Sudoku (15 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. The small digit in the circle between two cells equals greater of the digits in these cells.

2
▽

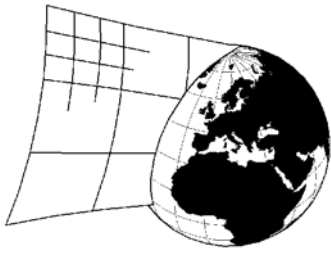
	4	7	7				6	8	
2			5				9		8
3									7
	5	9	9						
			8						9
8			8						
	8	2	3			7	7	6	
						6			4
						6			
4						2			
	7								
		2				4			3
						5	5	3	

△

1 ▷

◁

10 - 17



SUDOKUCUP.COM

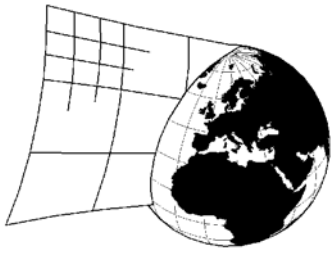
SUDOKUCUP 7

**Tournament
of HALAS
league**

Bent Diagonal (20 points)

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

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



SUDOKUCUP.COM

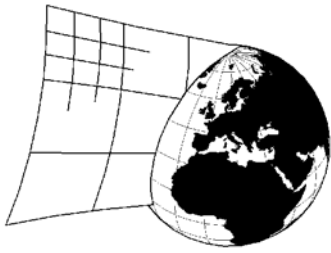
SUDOKUCUP 7

**Tournament
of HALAS
league**

Surprise (20 points)

Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and in each of six 2x3 boxes. The digits in the same position in the boxes must be different.

1 ▽	2 ▽	3 ▽	4 ▽	5 ▽																																																																																								
<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td>1</td><td>6</td><td>4</td></tr> <tr><td> </td><td>2</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>3</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>6</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td>5</td><td>2</td><td>3</td></tr> </table>								1	6	4		2					3					6						5	2	3	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>6</td><td> </td><td> </td><td>5</td></tr> <tr><td> </td><td>4</td><td> </td><td> </td><td>2</td></tr> <tr><td> </td><td>5</td><td> </td><td> </td><td>1</td></tr> <tr><td> </td><td>1</td><td> </td><td> </td><td>3</td></tr> <tr><td> </td><td> </td><td>2</td><td>6</td><td> </td></tr> </table>							6			5		4			2		5			1		1			3			2	6		<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>4</td><td>2</td><td>1</td><td> </td></tr> <tr><td> </td><td>1</td><td> </td><td> </td><td>5</td></tr> <tr><td> </td><td>2</td><td>5</td><td>3</td><td> </td></tr> <tr><td> </td><td>3</td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>6</td><td> </td><td> </td><td> </td></tr> </table>							4	2	1			1			5		2	5	3			3					6			
		1	6	4																																																																																								
	2																																																																																											
	3																																																																																											
	6																																																																																											
		5	2	3																																																																																								
	6			5																																																																																								
	4			2																																																																																								
	5			1																																																																																								
	1			3																																																																																								
		2	6																																																																																									
	4	2	1																																																																																									
	1			5																																																																																								
	2	5	3																																																																																									
	3																																																																																											
	6																																																																																											
<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td>1</td><td> </td><td> </td><td>2</td></tr> <tr><td> </td><td>5</td><td> </td><td> </td><td>3</td></tr> <tr><td> </td><td>6</td><td> </td><td> </td><td>4</td></tr> <tr><td> </td><td> </td><td>5</td><td>2</td><td> </td></tr> <tr><td> </td><td> </td><td>3</td><td>4</td><td> </td></tr> </table>							1			2		5			3		6			4			5	2				3	4		<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td>3</td><td>5</td><td> </td></tr> <tr><td> </td><td> </td><td>5</td><td>6</td><td> </td></tr> <tr><td> </td><td> </td><td>4</td><td>2</td><td> </td></tr> <tr><td> </td><td> </td><td>2</td><td>3</td><td> </td></tr> <tr><td> </td><td> </td><td>6</td><td>1</td><td> </td></tr> </table>								3	5				5	6				4	2				2	3				6	1		<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td>5</td><td>4</td><td> </td></tr> <tr><td> </td><td> </td><td>3</td><td>2</td><td> </td></tr> <tr><td> </td><td> </td><td>2</td><td>6</td><td> </td></tr> <tr><td> </td><td> </td><td>4</td><td>1</td><td> </td></tr> <tr><td> </td><td> </td><td>1</td><td>3</td><td> </td></tr> </table>								5	4				3	2				2	6				4	1				1	3	
	1			2																																																																																								
	5			3																																																																																								
	6			4																																																																																								
		5	2																																																																																									
		3	4																																																																																									
		3	5																																																																																									
		5	6																																																																																									
		4	2																																																																																									
		2	3																																																																																									
		6	1																																																																																									
		5	4																																																																																									
		3	2																																																																																									
		2	6																																																																																									
		4	1																																																																																									
		1	3																																																																																									
△	△	△	△	△																																																																																								



SUDOKUCUP.COM

SUDOKUCUP

7

**Tournament
of HALAS
league**

Sudo-Kurve (18 points)

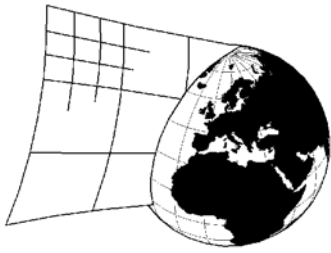
Write a single number from 1 to 9 in each cell such that each number appears exactly once in every marked irregular pattern. Unlike a standard sudoku, the rows here sometimes bend along the indicated curves. Each row contains exactly 9 cells.

The puzzle grid is an irregular shape with 9 rows. Each row contains exactly 9 cells. The grid is defined by a thick grey border. The numbers and arrows are as follows:

- Row 1: 2 (down arrow)
- Row 2: 7
- Row 3: 3, 6
- Row 4: 4, 1, 8, 3
- Row 5: 2
- Row 6: 1, 7, 6
- Row 7: 4, 6, 8, 3
- Row 8: 7, 5
- Row 9: 6, 9, 5, 8
- Row 10: 3, 7, 3
- Row 11: 1
- Row 12: 6, 4, 8, 2
- Row 13: 8, 4
- Row 14: 1
- Row 15: 1 (up arrow)

Arrows indicate the direction of the rows: 1 (right), 2 (down), 5 (down), 8 (right), 15 (up).

13 - 17



SUDOKUCUP.COM

SUDOKUCUP 7

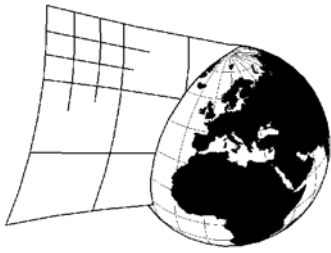
**Tournament
of HALAS
league**

Toroidal Sudoku (23 points)

Fill in the grid so that every row, every column, and each of ten marked region contains the digits 1 through 9. The grid is joined at the outermost columns and rows as if it were a toroidal grid. Grey cells show how the grid edge is traced.

The grid is a 9x9 toroidal Sudoku. The regions are marked by grey cells forming a path: (1,1), (1,2), (1,3), (1,4), (1,5), (1,6), (1,7), (1,8), (1,9), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (2,7), (2,8), (2,9), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (3,7), (3,8), (3,9), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (4,7), (4,8), (4,9), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (5,7), (5,8), (5,9), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6), (6,7), (6,8), (6,9), (7,1), (7,2), (7,3), (7,4), (7,5), (7,6), (7,7), (7,8), (7,9), (8,1), (8,2), (8,3), (8,4), (8,5), (8,6), (8,7), (8,8), (8,9), (9,1), (9,2), (9,3), (9,4), (9,5), (9,6), (9,7), (9,8), (9,9). The path is: (1,1) -> (1,2) -> (1,3) -> (1,4) -> (1,5) -> (1,6) -> (1,7) -> (1,8) -> (1,9) -> (2,1) -> (2,2) -> (2,3) -> (2,4) -> (2,5) -> (2,6) -> (2,7) -> (2,8) -> (2,9) -> (3,1) -> (3,2) -> (3,3) -> (3,4) -> (3,5) -> (3,6) -> (3,7) -> (3,8) -> (3,9) -> (4,1) -> (4,2) -> (4,3) -> (4,4) -> (4,5) -> (4,6) -> (4,7) -> (4,8) -> (4,9) -> (5,1) -> (5,2) -> (5,3) -> (5,4) -> (5,5) -> (5,6) -> (5,7) -> (5,8) -> (5,9) -> (6,1) -> (6,2) -> (6,3) -> (6,4) -> (6,5) -> (6,6) -> (6,7) -> (6,8) -> (6,9) -> (7,1) -> (7,2) -> (7,3) -> (7,4) -> (7,5) -> (7,6) -> (7,7) -> (7,8) -> (7,9) -> (8,1) -> (8,2) -> (8,3) -> (8,4) -> (8,5) -> (8,6) -> (8,7) -> (8,8) -> (8,9) -> (9,1) -> (9,2) -> (9,3) -> (9,4) -> (9,5) -> (9,6) -> (9,7) -> (9,8) -> (9,9) -> (1,1).

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



SUDOKUCUP.COM

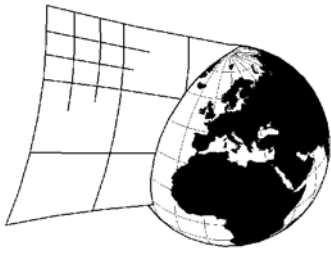
SUDOKUCUP 7

**Tournament
of HALAS
league**

Little Stars (20 points)

Write a single number from 1 to 9 in each cell such that each number appears exactly once in every row, and bolded box. Numbers given outside the grid indicate product of digits marked with little stars in particular rows or columns.

		*	*	*					160
	*						*	*	36
		*	*					*	216
1 ▷				*				*	7 ▷
	*	*	*			*	*		120
2 ▷	*					*		*	270 ▷
	*					*			18
	*					*		*	21
	*		*	*		*	*		180
	270	90	24	270	56	18	18	12	560



SUDOKUCUP.COM

SUDOKUCUP

7

**Tournament
of HALAS
league**

Thermo-sudoku (22 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. Bent thermometers appear in the grid. In all cases, the numbers appearing in the thermometer must be strictly increasing from the "bulb" of the thermometer to its end.

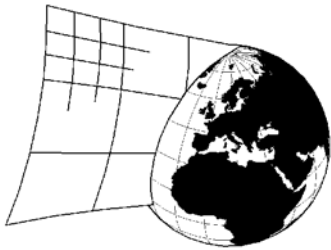
2
▽

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

△

1 ▷

◁



SUDOKUCUP.COM

SUDOKUCUP 7

**Tournament
of HALAS
league**

Sudokuro (24 points)

Fill the grid with digits 1 to 9. The digits can't be repeated in rows, columns, or 11 marked shapes. The numbers outside and inside the grid set the sums in horizontal and vertical directions.

Example:

	3	16	19	
19	2	9	8	10
15	1	7	3	4
	3		11	6
10	3	4	2	1

2
▽

1
▷

	22	13	31		23	18		11		21	13	
21				15						9		
9				10			26			24		
				45			16					
31								14			14	
	16	45						34				
24						13				22		
					9				8			
28					19				21			
		26					17					
	18						20					
14			31								18	
			14									
	11					34						
	7					17						
20												
				20								
11			25					9				

△

17 - 17