WCPN puzzle archive - July 2017

These are all the puzzles that are published on wcpn.nl in July 2017, including solutions, puzzle designers and difficulty level.

World Class Puzzles
from The Netherlands

MAGNETS

Place magnets into some of the regions so that each magnet has a positive and a negative pole. Cells containing magnet halves of the same polarity cannot share an edge. Numbers outside the grid indicate the number of positive and negative poles in the rows and columns.

+		3	3	1	4	3	2	4	2	3	3
	-	3	2	4	1	3	2	3	4	1	5
2	4										
3	3										
5	1										
2	3										
3	3										
2	2										
2	3										
3	3										
4	3										
2	3										

CAVE

Draw a closed loop over the grid lines. The loop goes around all numbers. The numbers in the grid indicate how many cells inside the loop can be seen horizontally and vertically from that cell, including the cell itself.

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

World Class Puzzles
from The Netherlands

SUDOKU - max ascending

05072017 - RS - 4* - 1710

Standard sudoku rules apply. Clues outside the grid indicate the length of the longest series of ascending digits in the corresponding direction. Ascending means from the smallest to the biggest digit, not necessary consecutive.

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

DOMINION

06072017 - Hns - 5* - 1711

Place some dominoes (1x2 black cells) in the grid, in order to divide the grid into some regions of adjacent squares. Dominoes cannot overlap or touch each other from the sides. It is also not possible that a domino covers a letter. All area's have at least one letter. Same letters belong to the same area, different letters belong to a different area.

The grid contains the letters:
Row 2: A, D, E
Row 3: F
Row 4: C, D, I
Row 5: F
Row 7: C, J, H
Row 9: G, H
Row 10: B, J

SUDOKU - renban

Place the numbers 1 to 9 on each row, in all columns and in the nine 3x3 regions. Numbers in coloured regions are consecutive.

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

DOUBLE BLOCK

Blacken exactly two cells in each row and each column of the grid. Place figures 1-4 on each row and column. Numbers outside the grid indicate the sum of the figures between the two black cells in the corresponding row or column.

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

World Class Puzzles
from The Netherlands

SUDOKU - windoku

11072017 - RS - 2* - 1714

Place the digits 1-9 in each column, each row, in all 3x3 regions and in the four grey coloured squares.

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

SKYSCRAPERS PLUS

12072017 - Hns - 4* - 1715

Place the digits 1-7 in every row and column. Each digit indicates a skyscraper of that height. Numbers outside the grid indicate the sum of the visible skyscrapers.

Top: 11 7 8 13 18 13

Left: 16 19 27 7

Right: 12 11 7 12 9

Bottom: 13 18 16 11 7

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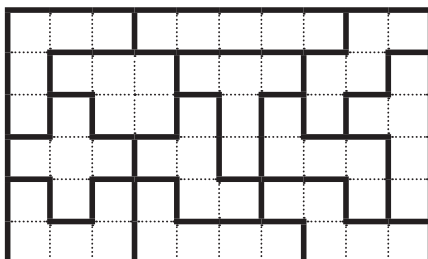## SUDOKU - touchy

13072017 - RS - 4* - 1716

Place the digits 1-9 in each column, each row and in all nine 3x3 regions. Each digit must have at least one consecutive digit as a horizontal or vertical neighbour.

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

HUNGARIAN PENTOMINOS

14072017 - RS - 4* - 1717

Place all pentominos in the grid. Pentominos do not touch each other, not even diagonally. All cells occupied by pentominos are numbered in sequence, from 1 to 60. Every third numbered cell is marked by grey colour and is given as a clue. Pentominos can be rotated and/or reflected.

				3			6		
9						12			
			15						
					18				
			21					24	
	27								
30			33			36			
39									
							42		
			45			48			
51									
54					57		60		

World Class Puzzles
from The Netherlands

MAGIC SUMMER

17072017 - RS - 3* - 1718

Place a digit from 1 to 5 into some cells so that each digit appears exactly once in each row and column. The digits in the grid connect with horizontally and vertically adjacent digits to form multi-digit numbers. The numbers outside the grid indicate the sums of the numbers appearing in the respective rows and columns, where empty cells separate numbers.

	420	573	78	195		285
69						
339						
366						
348						
69						
564						

SUDOKU - classic

18072017 - RS - 4* - 1719

Place the digits 1-9 in each column, each row and in all nine 3x3 regions.

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

World Class Puzzles
from The Netherlands

## MINI PENTOMINO LOOPS

19072017 - RS - 4* - 1720

Draw twelve loops that only consist of horizontal and vertical segments between the dots. The loops may not touch each other or intersect themselves, and they must be in the shapes of twelve different pentominoes. Each pentomino shape is used exactly once, but can be rotated or reflected. A number inside a cell indicates how many of the edges of that cell are part of any loop (that is, part of an edge of a pentomino).

World Class Puzzles
from The Netherlands
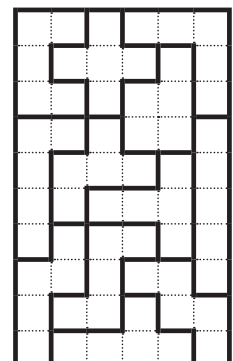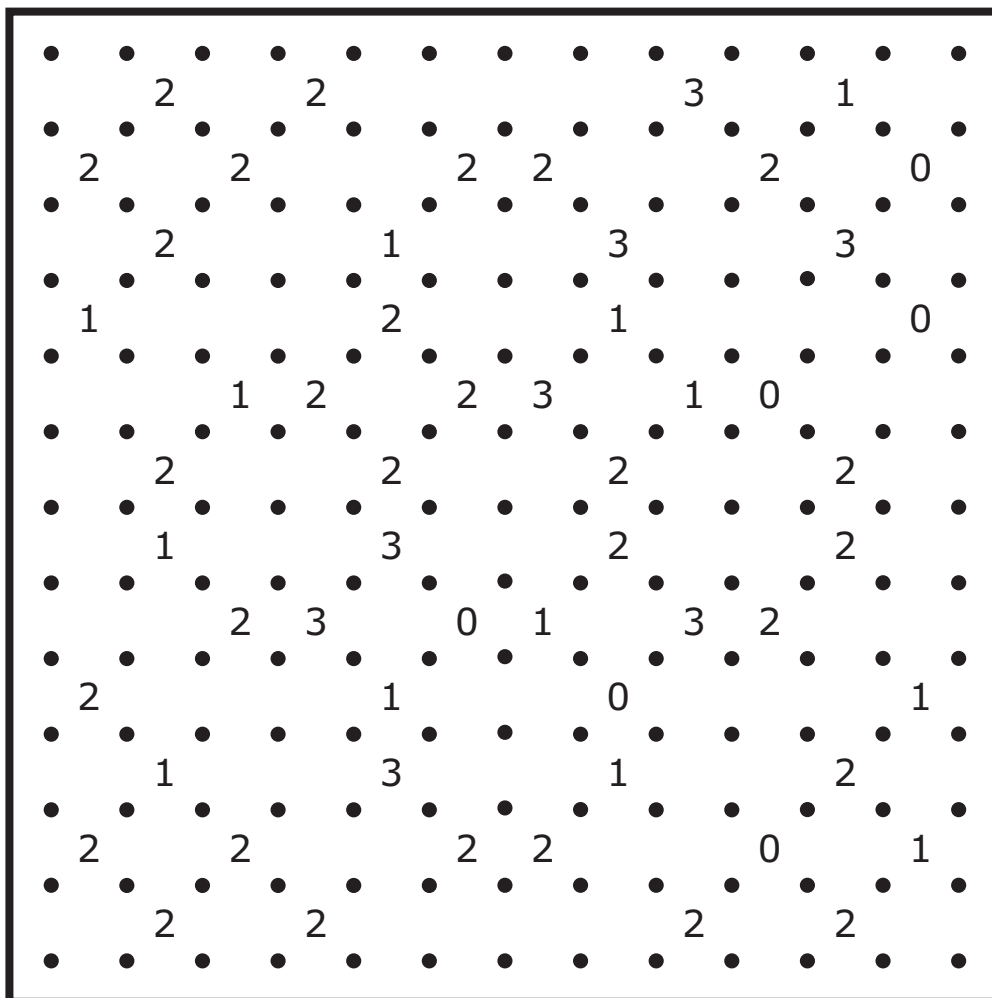
SUDOKU - greater than consecutive

20072017 - RS - 5* - 1721

Standard sudoku rules apply. In **all** cases where the difference between two neighbouring digits is 1, there is a greater or less sign between those digits. Digits must be placed in accordance with the signs.
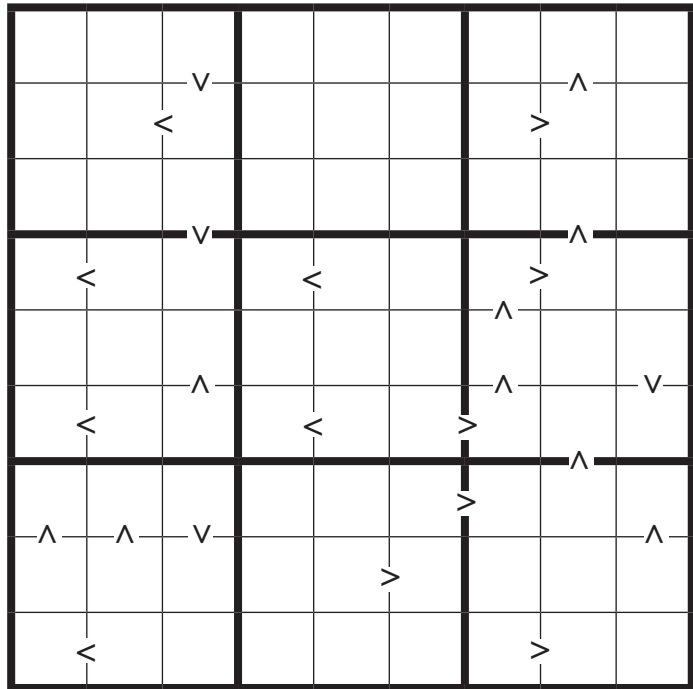
CAPSULES

21072017 - RS - 6* - 1722

Place numbers in the grid such that each thick-outlined region contains the numbers 1 to 5. Two same numbers cannot touch each other, not even diagonally.

World Class Puzzles
from The Netherlands
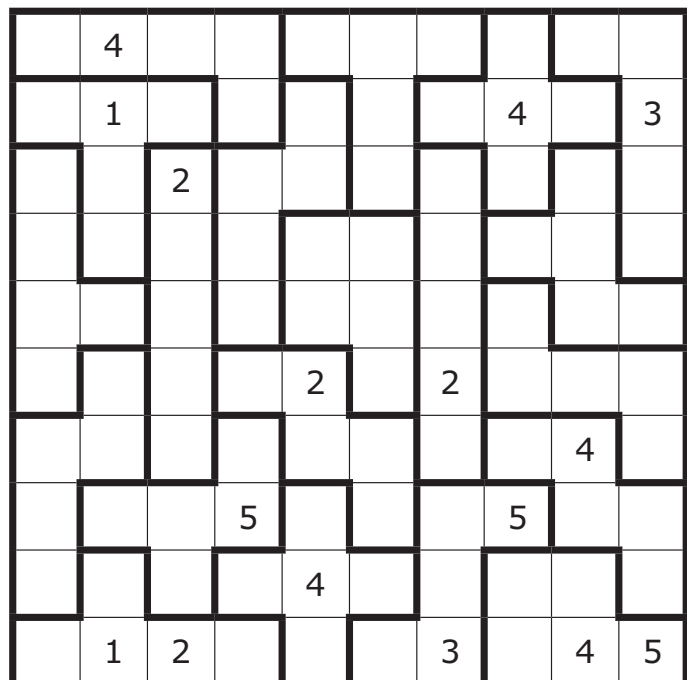
TAPA

24072017 - RS - 3* - 1723

Grid cells must be filled in so that all the black cells form one contiguous region, not counting squares touching at a corner to be adjacent, but it is not allowed to have a two by two square of black cells. Clue cells with numbers may not be filled in and tell the length of each consecutive black cell block in the eight surrounding cells. Two cell blocks clued by two different numbers must be separated by at least one white cell.

SUDOKU - toroidal

25072017 - RS - 3* - 1724

Place digits 1-9 on each row and column, and also in the bold outlined areas. Some of those areas are wrapped around the corners of the grid. To make clear how these areas are formed, they are indicated by their unique colour.

World Class Puzzles
from The Netherlands

INFECTION

26072017 - RS - 3* - 1725

Place digits from 1 to 4 into some empty cells. All cells with digits must be orthogonally connected. A digit in a cell indicates how many orthogonally cells contain a digit. Same digits cannot share an edge.

SUDOKU - scattered

27072017 - RS - 4* - 1726

Place the digits 1-9 in each column, each row, all blackened shapes and in the grey cells.

EASY AS ABCDE

Fill in the grid with letters ABCDE so that each row and column contains each letter exactly once. Some cells remain empty. Letters outside the grid indicate the letter and the relative position of that letter in that row or column from that direction.

	C3	A2	D2	D1	C1	C2	D1	
A2								B2
C2								E1
D2								C1
E1								A3
B3								E2
A1								D1
B2								A2
	D1	D2	E1	E1	B1	D2	C1	

NEIGHBOURS

Place digits 1–3 in the grid so that in each row and column, each digit appears three times. Numbers in grey cells do not share an edge with a cell containing the same number. Numbers in white cells share an edge with at least one cell containing the same number. All grey cells are given.

				3				
	2						1	
1								1
	3						2	
2								2
	2						3	

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World Class Puzzles
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03072017 - RS - 2* - 1708

+		3	3	1	4	3	2	4	2	3	3
	-	3	2	4	1	3	2	3	4	1	5
2	4				-	+	-	+	-		-
3	3			-	+	-	+	-			+
5	1	+		+		+		+		+	-
2	3	-					-	+	-	+	+
3	3		+	-	+			+	-		
2	2		-			+			-	+	
2	3	-	+	-	+	-					
3	3	+					-	+	-	+	-
4	3	-	+	-	+	-	+				+
2	3	+	-					-	+	-	

04062017 - RS - 3* - 1709

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

05072017 - RS - 4* - 1710

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

06072017 - Hns - 5* - 1711

				A			D			E
F										
		C			D		I			
F										
		C			J					H
			G							H
	B				J					

07072017 - RS - 5* - 1712

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

10072017 - Hns - 2* - 1713

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

11072017 - RS - 2* - 1714

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

12072017 - Hns - 4* - 1715

	11	7	8	13	18		13	
	4	7	1	2	5	3	6	
16	3	6	7	4	2	1	5	12
19	1	5	6	7	3	2	4	11
27	2	3	4	5	1	6	7	7
7	7	4	2	1	6	5	3	
	5	2	3	6	7	4	1	12
	6	1	5	3	4	7	2	9
	13		18	16	11	7		

13072017 - RS - 4* - 1716

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

14072017 - RS - 4* - 1717

17072017 - RS - 3* - 1718

	420	573	78	195			285
69	3		4	1		2	5
339		3	2	5		1	4
366	4	1		3	2	5	
348	1		5		3	4	2
69	2	5		4	1		3
		4	3	2	5		1
564	5	2	1		4	3	

18072017 - RS - 4* - 1719

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

19072017 - RS - 4* - 1720

20072017 - RS - 5* - 1721

21072017 - RS - 6* - 1722

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

24072017 - RS - 3* - 1723

25072017 - RS - 3* - 1724

26072017 - RS - 3* - 1725

1	2	3	2		2	1	
		2	4	2	3		
	1		2		2	1	
2	3		3	2			
3	4	3	4	3			1
2	3	4	3	4	1		2
		2		2		2	3
1	2	3	2	3	2	3	2

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27072017 - RS - 4* - 1726

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

28072017 - Hns - 3* - 1727

	C3	A2	D2	D1	C1	C2	D1	
A2	E		A		C	B	D	B2
C2	B	C		D	A		E	E1
D2		A	D	B	E	C		C1
E1		E	C	A	D		B	A3
B3	C	D	B			E	A	E2
A1	A		E	C	B	D		D1
B2	D	B		E		A	C	A2
	D1	D2	E1	E1	B1	D2	C1	

31072017 - Hns - 3* - 1728

2	1	3	2	3	1	2	1	3
3	2	1	2	1	2	3	1	3
1	3	2	3	2	3	1	2	1
2	3	3	3	1	2	2	1	1
3	2	1	2	1	3	1	3	2
1	3	2	1	2	1	3	2	3
2	1	3	1	3	1	2	3	2
1	2	1	3	2	3	1	3	2
3	1	2	1	3	2	3	2	1

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WZ - Wilbert Zwart
AB - Arvid Baars
Hns - Hns Eendebak

puzzle names
date (ddmmyyyy) - author - difficulty level - wcpn puzzle ID

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