WCPN puzzle archive - June 2018
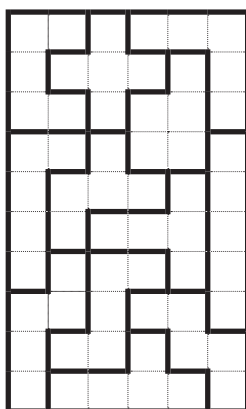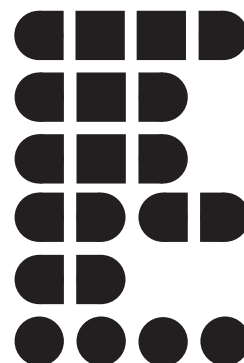
These are all the puzzles that have been published on wcpn.nl in June 2018, including solutions, puzzle designers and difficulty level.

World Class Puzzles
from The Netherlands

BATTLESHIPS - PENTA

01062018 - RS - 3* - 1947

Place the given ships in the grid, so that they do not touch each other, not even diagonally. Numbers on the right and bottom of the grid indicate how many cells are occupied by ship segments. Place all twelve different pentominoes in the grid. The shapes can be rotated and/or mirrored. Numbers on the top and left of the grid indicate how many consecutive cells are occupied by a pentomino, from top to bottom and from left to right. One cell remains empty.

```
                                        1
                                        1
        3   2   2   2   1   2   1   1   3
        1   2   1   3   1   4   1   3   1
        2   2   1   1   1   2   1   3   1
        1   1   2   1   1   1   1   1   1
  3  3 ┌───────────────────────────────┐ 2
2 1 1 1│                               │ 4
2 1 1 2 1 1│                           │ 1
  1 2 1 1 3│                           │ 1
    2 3 1 1│                           │ 2
      1 1 2│                           │ 5
      3 3 1│                           │ 2
    1 1 2 2│                           │ 3
      4 5 │                             │ 0
        └───────────────────────────────┘
        2   1   3   2   5   0   3   1   3
```

World Class Puzzles
from The Netherlands

NO FOUR IN A ROW

04062018 - RS - 2* - 1948

Fill in the grid with 'X' or 'O' such that four consecutive 'X's and 'O's do not appear horizontally, vertically or diagonally.

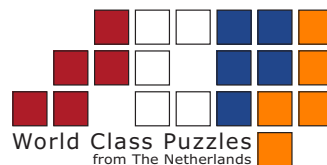| X | | X | | O | O | | O | O | |
	X								X
O	X	X			O	O			
O						O	O		
		X	O						
X	X				O		X		O
	O		O			O			X
			O	X			X	O	X
O	X			X		X	X		X

SUDOKU - neighbours

05062018 - RS - 3* - 1949

Standard sudoku rules apply. The digits outside the grid form pairs. These pairs have to be placed next to eachother in the corresponding row or column, in the given order.

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

TROIKA - BOSNIAN LOOP

06062018 - RS - 3* - 1950

All three puzzles have multiple solutions, but when overlaying the correct solutions (without rotation or reflection), all cells are coloured at least once.

Draw a one cell wide loop in the gid that does not touch itself, not even diagonally. Numbers in the grid indicate how many of the cells around it are used by the loop.

REGIONAL YAJILIN

07062018 - RS - 3* - 1951

Paint some cells black. Black cells are not allowed to be orthogonally adjacent. Draw a closed loop that passes through all the remaining white cells. The loop does not cross or overlap itself. A number in a bold outlined region indicates the number of black cells in that region. Cells with a number may be blackened.

SUDOKU - even sandwich

08062018 - RS - 4* - 1952

Place the digits 1-9 in each column, each row and in all 3x3 regions. Clues outside the grid show all the digits that have even digits as neighbours on both sides in the corresponding row or column.
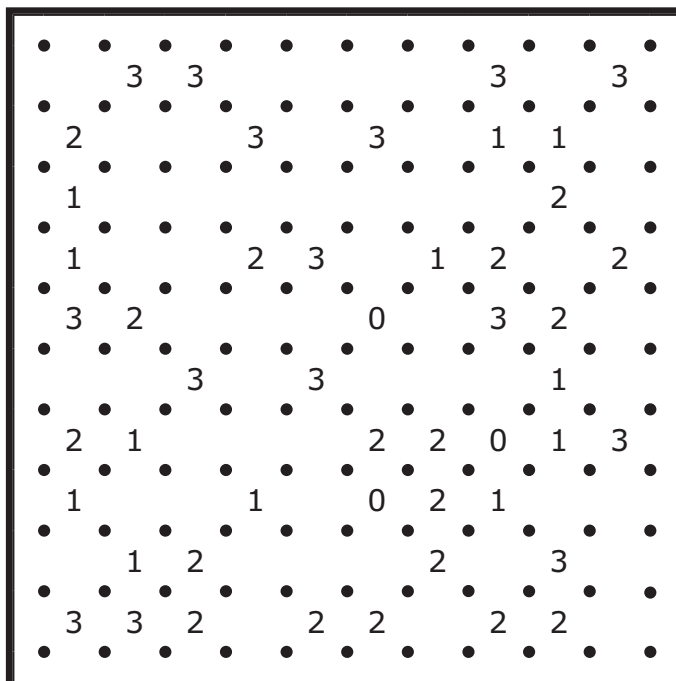
SLITHERLINK

Draw a single closed loop into the grid by connecting the dots. The loop cannot touch itself, not even diagonally. The numbers in the cells indicate how many parts of the loop are directly beside, under or above the number.
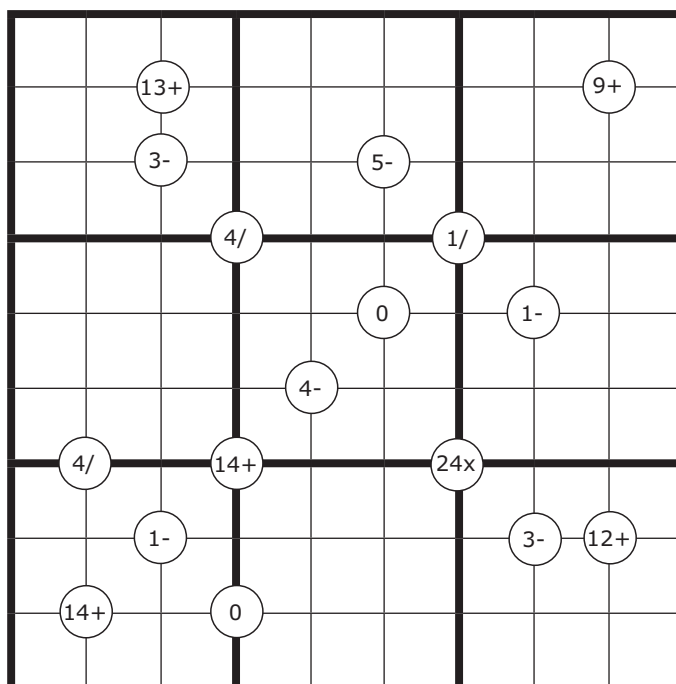
SUDOKU MATHRAX

Standard sudoku rules apply. Some intersections of the grid lines are marked by a number and an operator (+, -, x, /) in a circle. The number is the result of the operation, applied to both pairs of diagonally opposite cells.
An "E" in the circle indicates that all four adjacent digits are even. An "O" indicates that all four adjacent digits are odd.
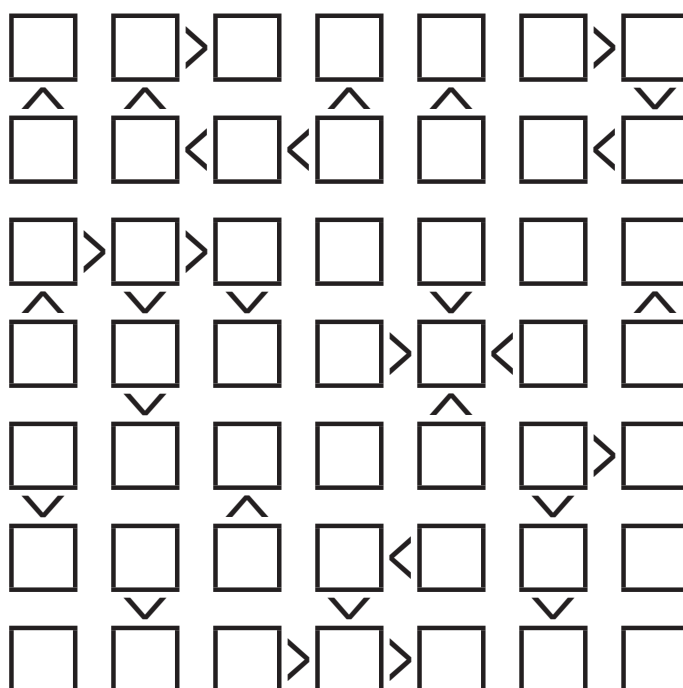
HITORI

Shade some cells to avoid double numbers in a row or column. Shaded (black) cells do not touch each other vertically or horizontally. All remaining white squares form a single continuous area.

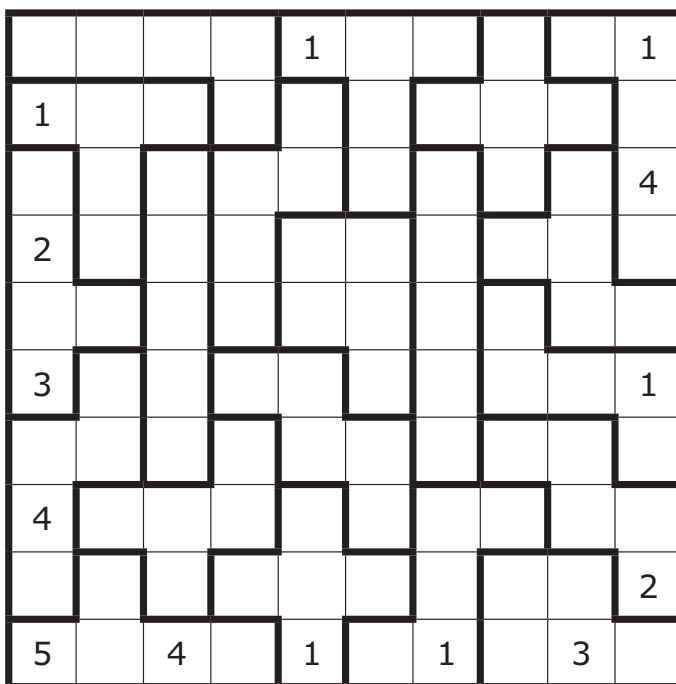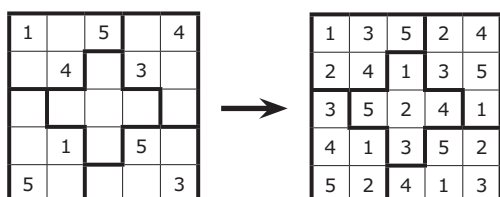| 7	4	10	8	2	9	3	8	5	6
9	6	3	7	8	6	10	1	6	4
9	1	2	1	10	1	6	4	3	5
5	7	4	1	8	10	2	2	2	9
3	4	9	4	2	2	7	4	10	1
2	6	5	5	1	3	8	9	7	8
4	3	7	9	8	5	2	6	1	1
8	5	4	5	3	7	9	6	1	7
3	10	1	6	8	8	2	3	2	2
1	5	5	3	9	7	4	7	6	10

FUTOSHIKI

Place the numbers 1 to 7 on each row and in each column. On some places it is indicated that numbers are smaller (<) or bigger (>) than their neighbours.
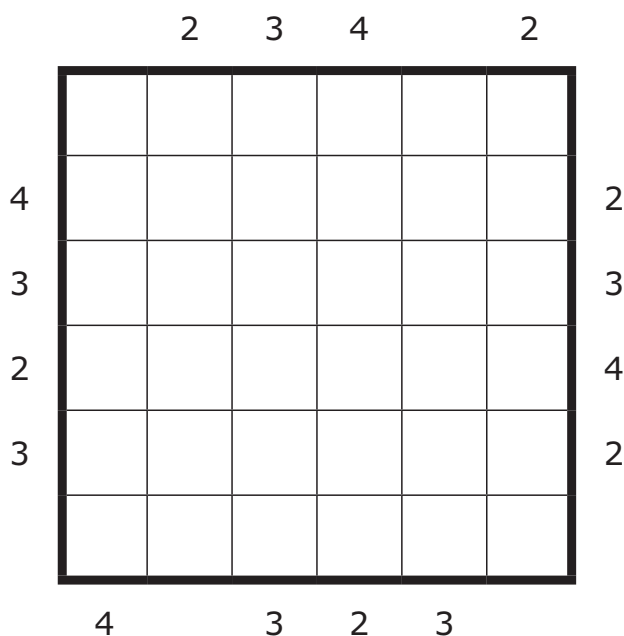
CAPSULES

15062018 - RS - 6* - 1957

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

SKYSCRAPERS

18062018 - RS - 3* - 1958

Place the digits 1-6 in every row and column. Each digit indicates a skyscraper of that height. Numbers outside the grid indicate how many buildings are visible when looking from that side. Larger buildings block the view of smaller buildings.

BOXES

We have five separate boxes. Each box contains five different letters. Drawing one letter from each box can form these words. What letters are in the same box?

1	2	3	4	5

BREDA POTAS
CITER RAVEN
FLUKS TAXUS
GRIND VINYL
HOFJE WINGS
HOMIE ZELFS

SUDOKU - FORTRESS

Place the digits 1 to 9 on each row, in all columns and in the nine 3x3 regions. The digits in grey cells (the Fortress) have to be greater than the digits in horizontally or vertically adjacent white cells.

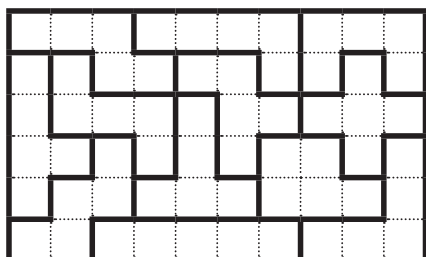|	3	2			5			
5	8					6		
4							7	
			1	5				8
			6					
1								
	2							
		3					6	4
			4				5	

PARTITI

Place one or more digits from 1 to 9 in arbitrary order in each cell, such that a number in the top left corner of each cell is the sum of digits entered in that cell. Same digits cannot be placed in cells that touch, not even diagonally.

	7	12	9	1	8	32	
25	4		2	14		3	
1		12		12	7	8	19
12	5	14	12	7			1
13	10	12		5	5		6
7	2	21		4	16	8	21
7	1	5	11		4	8	8
20	5	11	14	7	4	8	8

HUNGARIAN PENTOMINOES

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

World Class Puzzles
from The Netherlands

BATTLESHIPS

Place the given ships in the grid, so that they do not touch each other, not even diagonally. Numbers outside the grid indicate how many cells are occupied by ship segments. Cells with water have to remain empty.

	1	1	3	2	1	4	2	4	2
3									
3									
2									
2	●								
1									
2									
4					■				
2									
1									

MAGIC SUMMER

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.

Puzzle is designed for:
Serbian Puzzle Championship 2018

	429	78	195	4515	177		78
69							
258							
5424							
456							
177							
555							

KAKURO

27062018 - RS - 4* - 1965

For each number the sum is equal to the number in the grey box. A number above a diagonal relates to the digits you need to fill in to the right. A number below a diagonal relates to the digits you need to fill in vertically below it. Enter digits 1–9 so that no digit repeats in any of the numbers.

STAR BATTLE

28062018 - HNS - 4* - 1966

Place two stars with the size of one cell in each row, column and outlined region. The stars do not touch each other, not even diagonally.
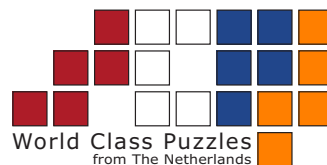
World Class Puzzles
from The Netherlands

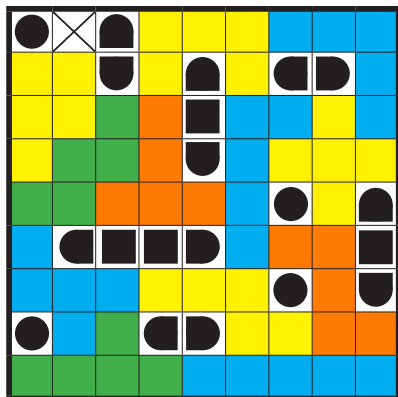## SUDOKU - consecutive

29062018 - RS - 5* - 1967

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

All the places where consecutive numbers have to be filled in are marked with a circle.
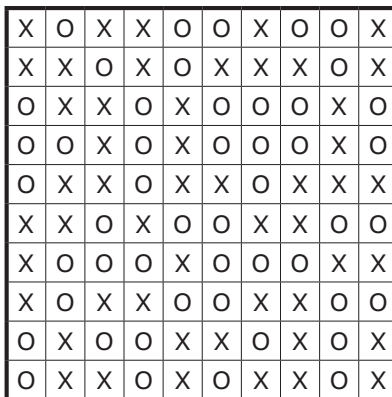
World Class Puzzles
from The Netherlands

01062018 - RS - 3* - 1947

04062018 - RS - 2* - 1948

X	O	X	X	O	O	X	O	O	X
X	X	O	X	O	X	X	X	O	X
O	X	X	O	X	O	O	O	X	O
O	O	X	O	X	O	O	O	X	O
O	X	X	O	X	X	O	X	X	X
X	X	O	X	O	O	X	X	O	O
X	O	O	O	X	O	O	O	X	X
X	O	X	X	O	O	X	X	O	O
O	X	O	O	X	X	O	X	O	X
O	X	X	O	X	O	X	X	O	X

05062018 - RS - 3* - 1949

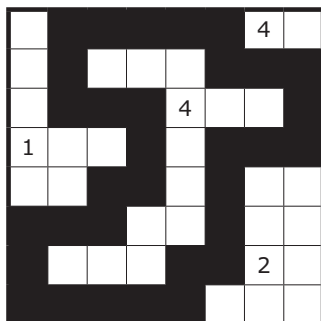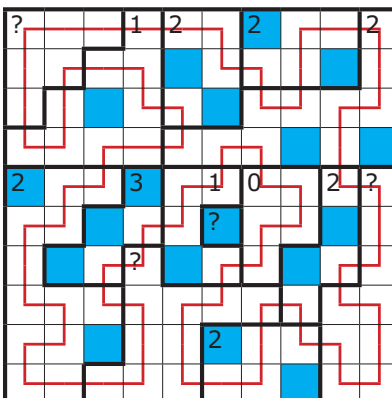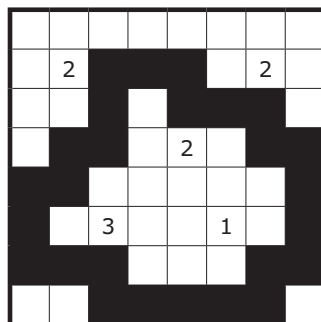|		6	6	9	9	5	8	6	9	4
		7	3	3	2	3	3	9	6	1
9	1	4	5	9	1	2	6	7	8	3
1	2	6	8	3	7	9	4	1	2	5
2	3	7	1	2	3	8	5	6	4	9
3	4	3	4	5	8	6	1	9	7	2
4	5	9	7	6	4	5	2	3	1	8
5	6	1	2	8	9	3	7	4	5	6
6	7	5	6	7	2	1	9	8	3	4
7	8	2	3	4	6	7	8	5	9	1
8	9	8	9	1	5	4	3	2	6	7

06062018 - RS - 3* - 1950
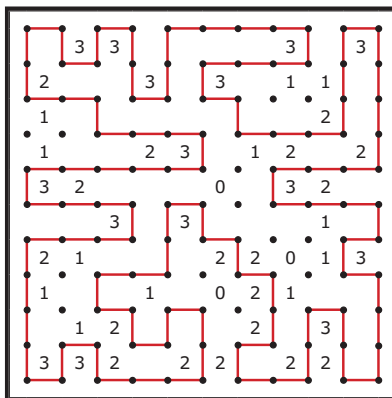
07062018 - RS - 3* - 1951

08062018 - RS - 4* - 1952

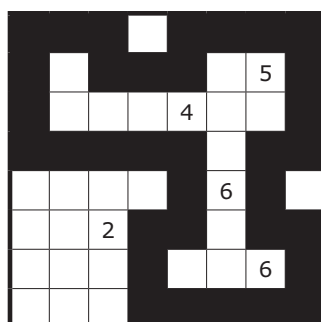						1				
			1	4	3			2	3	
		6	4	6	7	9	3	7	5	2
3	5	2	3	8	5	6	7	9	1	4
	-	5	7	4	2	9	1	6	8	3
3	4	1	9	6	3	8	4	2	5	7
	-	9	5	2	8	7	3	4	6	1
	7	4	8	3	1	5	6	7	2	9
	9	6	1	7	4	2	9	8	3	5
	-	8	2	9	7	1	5	3	4	6
1	3	7	4	1	6	3	8	5	9	2
	-	3	6	5	9	4	2	1	7	8

11062018 - RS - 3* - 1953

12062018 - RS - 3* - 1954

World Class Puzzles from The Netherlands

13062018 - RS - 4* - 1955

7	4	10	8	2	9	3	■	5	6
9	■	3	7	■	6	10	1	■	4
■	1	2	■	10	■	6	4	3	5
5	7	■	1	8	10	■	2	■	9
3	■	9	4	■	2	7	■	10	■
2	6	5	■	1	3	■	9	7	8
4	3	7	9	■	5	2	6	■	1
8	■	4	5	3	■	9	■	1	7
■	10	1	6	■	8	■	3	2	■
1	5	■	3	9	7	4	■	6	10

14062018 - RS - 4* - 1956

1	4 > 3	6	2	7 > 5
3	5 < 6 < 7	4	1 < 2
4 > 3 > 2	1	7	5	6
6	2	1	5 > 3 < 4	7
7	1	4	2	5	6 > 3
2	7	5	4 < 6	3	1
5	6	7 > 3 > 1	2	4

15062018 - RS - 6* - 1957

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

18062018 - RS - 3* - 1958

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

19062018 - AB - 3* - 1959

1	2	3	4	5
C	A	B	E	L
D	I	F	G	O
H	J	M	P	R
S	K	N	U	W
V	Z	T	Y	X

20062018 - RS - 3* - 1960

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

21062018 - TGK - 4* - 1961

9	16	57	36	1	8	145 679	8
235 78	4	8	2	59	2	3	2
1	9	57	1	48	16	8	469
48	23	68	39	7	9	7	1
67	19	57	2	5	23	5	6
34	2	34 68	1	4	79	8	14 79
7	1	5	29	5	13	26	35
569	23	47	68	7	4	8	17

22062018 - RS - 5* - 1962

1	2	3		4	5			6		7	
8	9				10			11	12		13	14
			15	16		17	18			19	
	20								21		
	22				23	24	25				
26	27	28		29	30				31		
						32		33	34	35	
36	37	38		39	40	41	42			43	
44		45						46			
			47	48	49		50	51	52		
				53			54				
55	56	57	58	59		60					

25062018 - RS - 2* - 1963

	1	1	3	2	1	4	2	4	2

WCPN puzzle archive - June 2018 solutions

World Class Puzzles
from The Netherlands

26062018 - RS - 3* - 1964

	429	78		195	4515	177		78
69	4	3			2	1		5
258	2	5	1			3		4
5424	1			5	4	2	3	
456			4	3	5		2	1
177	3	2			1	4	5	
				4	3	5	1	2
555	5	1	2				4	3

27062018 - RS - 4* - 1965

		16	11	17		44	15
3	39	9	7	2	5 17	9	8
30	2	9	7	4	8	29 16 4	5	7
3	1	2	11	26 18 6	9	1	2	3
10 21	4	2	9	1	5	3 4	3	1
26	2	8	9	7	21 18 8	1	7	2
13	8	5	13 26 8	5	7	2	4	3
3 10	3	4	2	1	3 14 10	8	2
12	2	1	9	23 9	2	5	6	1
8	1	7	16 6	1	9		

28062018 - HNS - 4* - 1966

(grid with stars)

29062018 - RS - 5* - 1967

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

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puzzle authors

RS - Richard Stolk
TGK - Tom Groot Kormelink
AB - Arvid Baars
Hns - Hns Eendebak

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

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