

		U	K		
P	U	Z	Z	L	E
L	E	A	G	U	E

Advanced Round 6 - 28th April to 1st May 2023

Nanro and Magnets - Magnets booklet

Puzzles by Adam Bissett

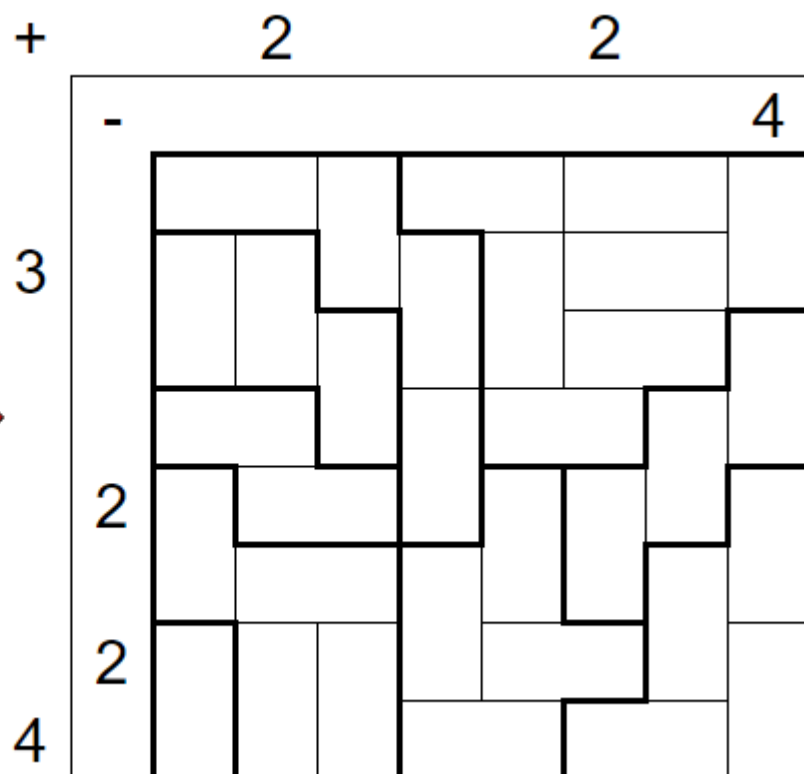
Please see the Instruction Booklet for detailed instructions

Time your efforts for each puzzle separately. Then submit your time for each puzzle, and, for Nanro, the number of empty cells in each row, and for Magnets, the contents of the indicated row or column as +, - and X (or P, N and X), as the "answer key".

Puzzle 11

15 points

Magro

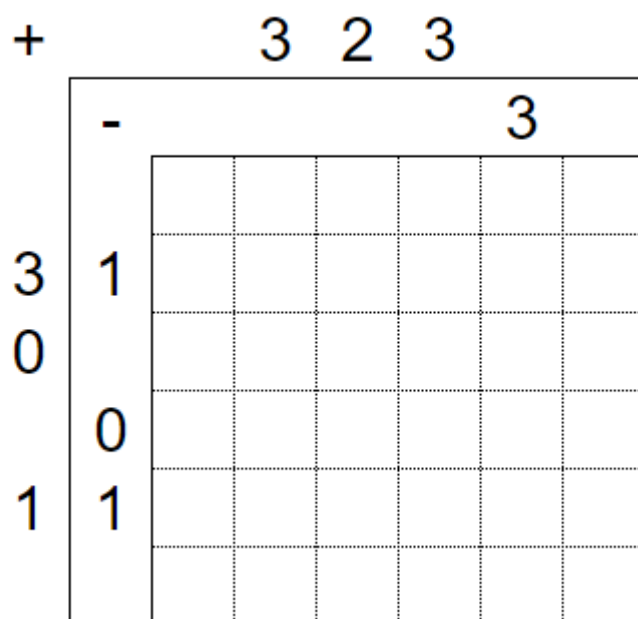


Puzzle 12

2 points

Loose

Magnets

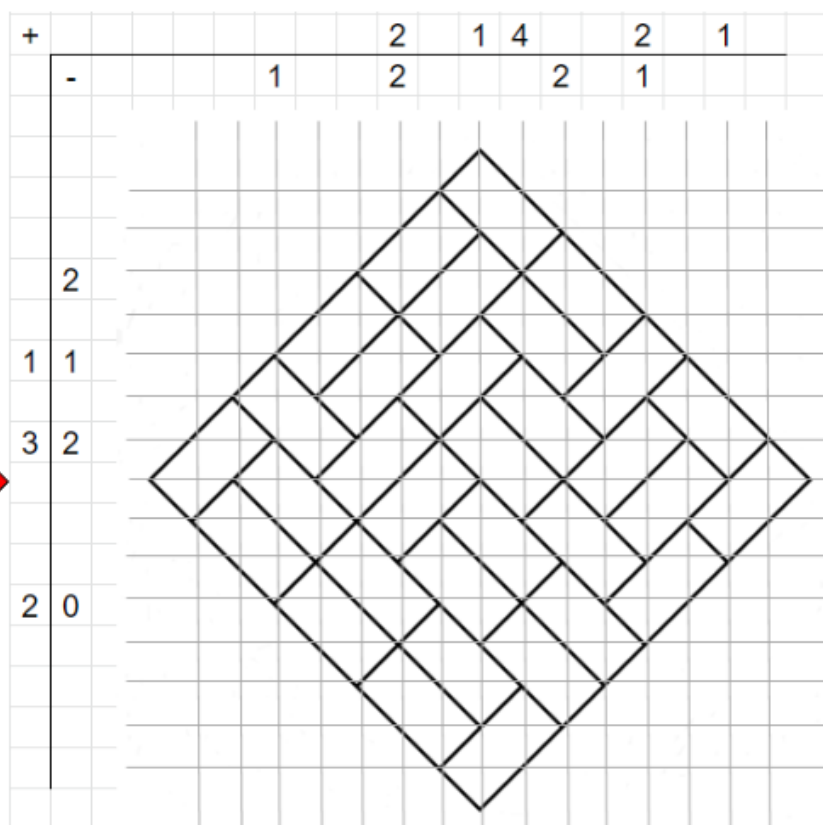


Puzzle 13

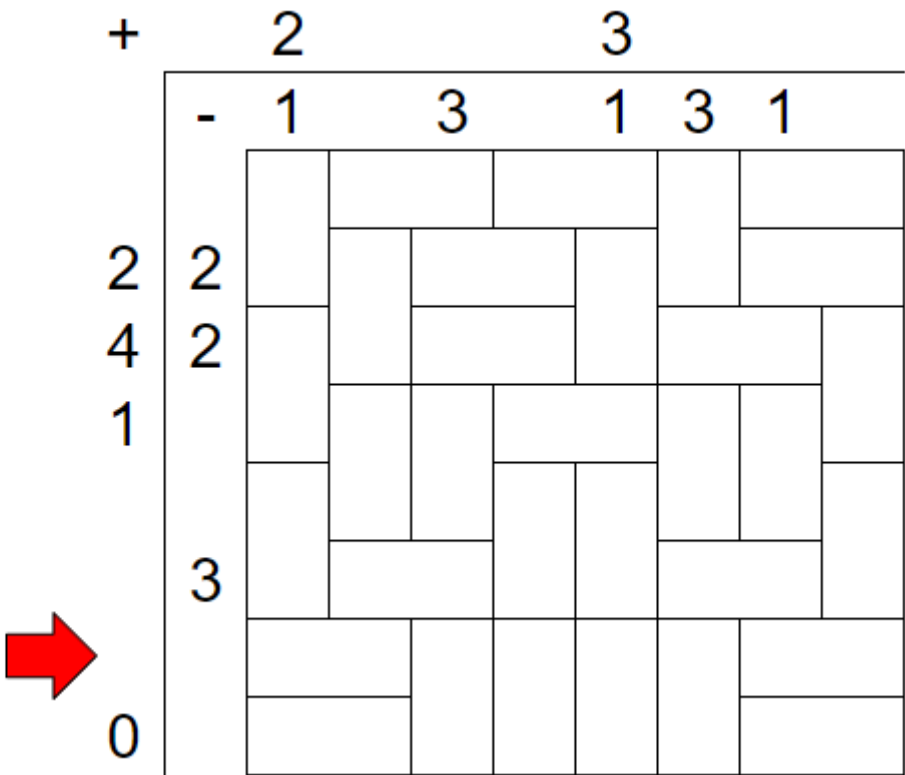
15 points

Diagonal

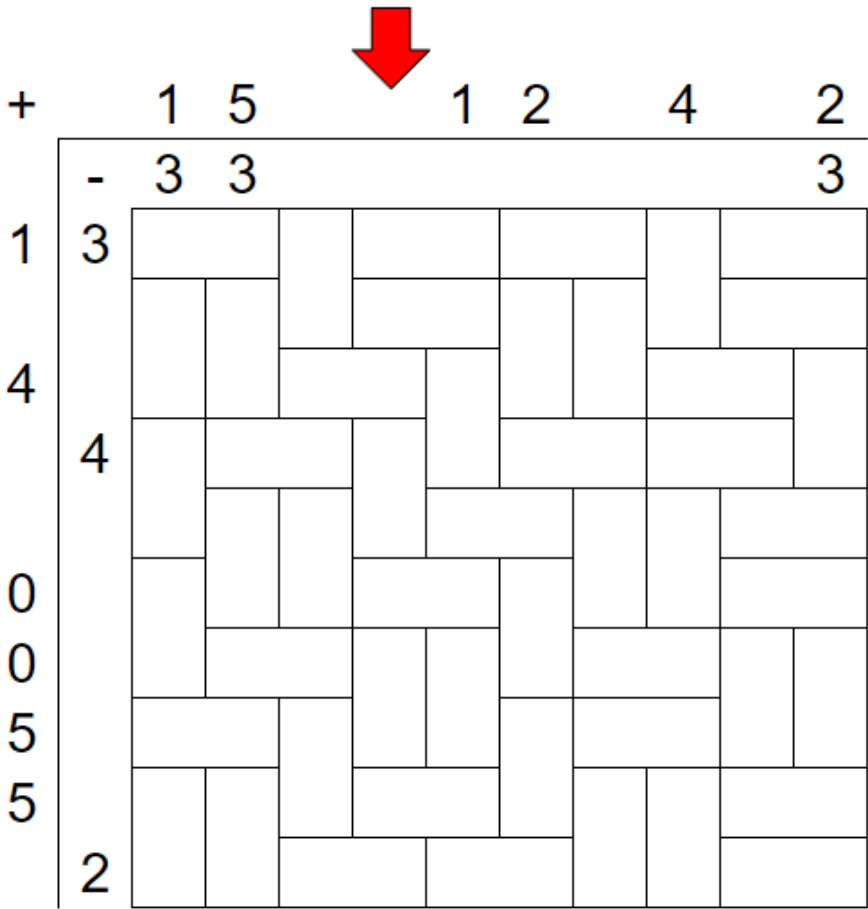
Magnets



Puzzle 14
 3 points
 Classic
 Magnets



Puzzle 15
 5 points
 Classic
 Magnets





+		3		2		1
	-	3		2		2
0		5				
1	2			4		
		5				
3	2					
1	2	5				
				4	4	
2	1					4



Magnets

A 10x10 grid with numbers 1-4 on the left and top. A red arrow points to the top center. The grid is filled with black lines forming a pattern of rectangles. The numbers on the left and top are: 1, 2, 2, 3, 3, 4, 4, 1, 2, 3. The red arrow points to the top center.

Magnets

A diagram showing a 3x3 grid of squares. The top row has squares with side lengths 2, 3, 2, 2. The middle row has squares with side lengths 2, 2, 2, 2. The bottom row has squares with side lengths 1, 2, 1, 3. The grid is surrounded by a border of squares with side lengths 2, 3, 2, 2, 2, 2, 1, 2, 1, 3.

8 points



0	0			1+			1+	1+
		3+						
1-				1-				
				2-			1-	
	1+							
				1+			3-	
0			2-					1-
		0			0			0

– 212122, Example Magnets – 23 seconds – -+X+ or NPXP

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

$$\begin{array}{r}
 + \quad 2 \ 1 \\
 - \quad 1 \ 1 \\
 \hline
 \begin{array}{cc|cc}
 \times & \times & \times & - \\
 - & + & \times & + \\
 + & & + & - \\
 - & + & - & +
 \end{array}
 \end{array}$$

Puzzle Number	Division C average time	Best time
11	18m17	Emma McCaughan - 12m57
12	3m37	Emma McCaughan - 3m14
13	20m06	Liane Robinson - 17m17
14	5m12	Maurice Blount - 3m08
15	5m05	Emma McCaughan - 3m02
16	11m50	Maurice Blount - 3m43
17	3m25	Emma McCaughan - 2m53
18	7m50	Emma McCaughan - 4m49
19	14m52	Jack Lawrence - 6m25
20	5m13	Maurice Blount - 3m44