

11. Paper clips

7 + 5

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

	3	1	4	2	5	0	3	4	0	5
1										
5										
3										
2										
1										
3										
2										
4										
0										
6										

Example:

	3	0	1	4	0	1
3						
1						
2						
0						
1						
2						

Place in the grids some number of paper clips of three sizes. Paper clips can not touch each other even by corners of the cells they're in. Numbers on top and left of grid tells the quantity of cells with rounded parts in respective rows and columns. *Answer key: write down the number of placed paper clips for each size in order; 4 cells, 5 cells, 6 cells. For the example the answer would be: 2,1,0.*

12. Code lock

5 + 5

To unlock the code lock you have to form a 2-digit number on it by turning six disks. This number must be exactly equal to the sum of all turned disks and must be the smallest of all the numbers, which can be formed following these rules. All painted parts of the disks must be used to form the number. Disks can be turned only clockwise. For each 90-degree turn of a disk, add the digit on it (1 through 6) to your sum. *Answer key: first write down the formed number, followed by the sequence of all turned disks. For the example the answer would be: 6: 3111. If you think that any one of the locks cannot be unlocked, write "?" as an answer.*

Example: