

Magic Square

In recreational mathematics, a square array of numbers is called a magic square if the sums of the numbers in each row, each column, and both main diagonals are the same.

4	9	2
3	5	7
8	1	6

A method for constructing a magic square of odd order

- Starting in the central column of the first row with the number 1.
- The fundamental movement for filling the squares is diagonally up and right, one step at a time.
- When an "up and to the right" move would leave the square, it is wrapped around to the last row or first column, respectively.
- If a square is filled, one moves vertically down one square instead, then continues as before.

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Programing

Write a program to:

- pick up numbered blocks in the picking area
- arrange blocks into a 3 x 3 magic square

Modify the above program to arrange a 5 x 5 magic square