

Problem of the Week - September 14, 2015

This problem is called Magic Squares.

In a Magic Square, ***different*** numbers are placed in each square so that the sum (what's that mean again?) in any direction (vertically, horizontally, diagonally) is the same.

In the example to the right, the magic number is 15. Can you figure out why?

Hint: It's because all of the rows, columns, and diagonals all add to 15. Try it out!

8	3	4
1	5	9
6	7	2

Example 1

Below are four different magic squares for you to try...

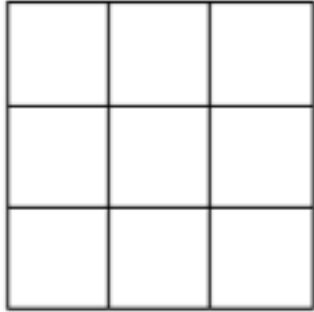
		6
4	9	2

12		
7	9	
8		

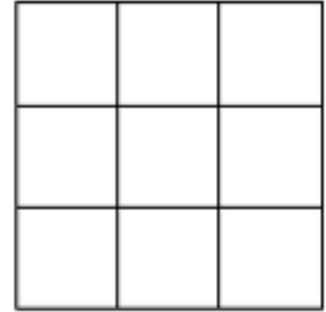
		6
9		1
		8

9	2	7
	10	

In the following ones, you must use the numbers that are shown below the square. Try it - they are much trickier!



12, 13, 14, 15, 16, 17, 18, 19, 20



6, 7, 8, 9, 10, 11, 12, 13, 14