

My Special Numbers

There are lots of special types of numbers: primes, odds, evens, squares, triangular numbers, factors of 100, and countless other types.

Your task: Come up with your own special set of numbers and give it a name.

For example, you might decide that all numbers that are 1 more than a multiple of 5, and 1 less than a multiple of 3 are special, and call them Blah numbers. You could start with something more simple and make it harder as you go.

Part 2: Write a function that when a number is input to it, will return True if it is a special number, and False if not.

Test your function on lots of different numbers to make sure it works.

Part 3: Write a function that outputs the first 50 of your special number.

Looking at the list, do you think your numbers are evenly spread out? Do they get more common or rarer as you go down the number line? What else do you notice about the numbers?