

Shriya balaji

Four digit targets

The Largest number should have the largest digit in the thousands place. The next largest digit in the hundreds place. The next largest digit in the tens place. The smallest digit in the units. The smallest number should start with the smallest number and end with the biggest number. 0 will come in the hundreds place and not the thousands place.

odd numbers end with 1, 3, 5, 7, 9. Even number end with 2, 4, 6, 8, 0.

To find a multiple of three, the sum of the digits should be 3, 6 or 9. To find a multiple of 5, the numbers should end with 0 or 5.

	Solutions				
	1	2	3	4	5
Largest odd number	9987	7667	8765	9873	9873
Largest even number	8766	9988	6544	9764	9764
Largest multiple of 3	5433	5433	9987	8643	8643
Smallest multiple of 5	1005	1010	1010	1225	1025
number closest to 5000	4221	4522	3322	5001	5021