Test of Divisibility

To check weather a number is divisible by the other number we follow certain rules to check the divisibility these rules are called the Divisibility Rules. The divisibility test of a given number by any number (2, 3, 5, 6 and 10) can be performed simply by following the given rules.

Divisibility by 2:

A number is divisible by 2, if the digit at ones place is an even digit i.e. the digit at ones place is 0, 2, 4, 6 and 8 or we can also say that the last digit is divisible by 2 then the number is also divisible by 2.

Example: 546, as the ones digit is 6 therefore 546 is divisible by 2.

87349, as the ones digit is 9 therefore 87349 is not divisible by 2.

Divisibility by 3:

A number is divisible by 3, if the sum of the digits is divisible by 3.

Example: Is 786 divisible by 3?

Sum of the digits = 7 + 8 + 6 = 21. And we know that 21 is divisible by 3.

Therefore 786 is divisible by 3.

Divisibility by 5:

A number is divisible by 5 if the digit at ones place is either 0 or 5.

Example: Circle the numbers which are divisible by 5?

6534, 9841, 9865, 47924, 734650, (109090)