Divisibility Rules

"divisible" means a number is able to be divided evenly with another number with NO remainders!

A number is divisible by…	Definition	Example
2	**The last digit is an even number.**	**2,458** **8 is divisible by 2**
3	**The sum of the digits is divisible by 3.**	**123** **1 + 2 + 3 = 6** **6 is divisible by 3**
4	**The last two digit form a number that is divisible by 4.**	**4,524** **24 is divisible by 4**
5	**The last digit is either a 5 or a 0 (zero).**	**12,390 or 3,475** **both 0 and 5 are divisible by 5**
6	**The number is divisible by BOTH 2 and 3.**	**24** **24 is divisible by BOTH 2 and 3**
7	**You can double the last digit and subtract the sum from the rest of the number, and set an answer that is divisible by 7.**	**672** **2 + 2 = 4** **67 − 4 = 63** **63 is divisible by 7**
8	**The last three digits from the a number that is divisible by 8.**	**1,816** **816 is divisible by 8**
9	**The sum of all the digits is divisible by 9.**	**153** **1 + 5 + 3 = 9** **9 is divisible by 9**
10	**The number ends in a 0 (zero).**	**257,890** **0 (zero) is divisible by 10**