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Name: NOTES Date: 10/16

Divisibility Rules

Divisibility: Able to be divided into evenly with NO remainders

A number is divisible by….	….if...	Example: Divisible	Example: NOT Divisible
2	Its ones digit is even (number ends in 0, 2, 4, 6, 8)	**1,308**	~~1,309~~
3	The sum of its digits is divisible by 3 (the sum is a multiple of 3)	**234** 2 + 3 + 4 = 9 (3 can be divided evenly into 9!)	~~235~~ 2 + 3 + 5 = 10 (10 cannot be evenly divided by 3)
5	Its ones digit is 0 or 5	**89,570** **89,575**	~~89,576~~
6	The number is divisible by 2 **and** 3 • 2: ones digit is even • 3: sum of digits is divisible by 3	**36** • Divisible by 2 (ones place is even) • Divisible by 3 because the sum of the digits is 9	~~34~~ • Divisible by 2 (ones place is even) • NOT divisible by 3 because the sum of the digits is 7
9	The sum of its digits is divisible by 9 (the sum is a multiple of 9)	**153** 1 + 5 + 3 = 9 (9 can be divided evenly into 9)	~~154~~ 1 + 5 + 4 = 10 (10 is not divisible by 9)
10	The ones digit is 0	**100**	~~115~~