Divisibility Rules
1 - 12

Divisible by:	Condition	Example
1	No conditions. All integers are divisible by 1	1| 45 = 45 1| 22 = 22
2	If the last digit of the integer is even.	2| 56 = 28 2| 102 = 51
3	If the sum of the digit's numbers are divisible by 3.	207 (2+0+7 = 9) → 3|207 = 69
4	If the last 2 digits are divisible by 4	1244 (44/4 = 11) → 4|1244 = 311
5	If the last digit is either 0 or 5.	5|100 = 20 901 is not divisible by 5
6	If it is divisible by both 2 and 3. (For divisibility by 2 and 3, check rule 2 and 3)	6|3312 since: 2|3114 (4 is even) 3| 3114 (3+1+1+4 = 9 and 9 is divisible by 3).
7	If you double the last digit and subtract it from the rest of the number and the answer is: - 0, or - divisible by 7	532 (Double 2 is 4, 53-4=49, and 49÷7=7)
8	If the last three digits are divisible by 8.	9816
9	If the sum of the digits are divisible by 9	5661 (5+6+6+1 = 18 and 18 is divisible by 9)

10	If the number ends in 0.	1000, 5000
11	Add and subtract digits in an alternating pattern (add first, subtract second, add third, etc). Then the answer must be: - 0, or - divisible by 11	1364 (1−3+6−4 = 0) 913 (9−1+3 = 11)
12	If the number is both divisible by 3 and 4. (check divisibility rules for 3 and 4)	12|1116 = 93 for divisibility by 3 (1+1+1+6 = 9 is divisible by 3) for divisibility by 4, the last two digits 1116 is divisible by 4)