• **BY 2**: if and only if the ones digit is 0, 2, 4, 6, or 8.

• **BY 3**: if and only if the sum of its digits is divisible by 3.

• **BY 4**: if and only if the number represented by its last two digits is divisible by 4.

• **BY 5**: if and only if the ones digit is 0 or 5.

• **BY 6**: if and only if the number is divisible by 2 and 3.

• **BY 8**: if and only if the number represented by its last three digits is divisible by 8.

• **BY 9**: if and only if the sum of its digits is divisible by 9.

• **BY 10**: if and only if the ones digit is 0.

• **BY 11**: if and only if 11 divides the difference of the sum of the digits whose place values are odd powers of 10 and the sum of the digits whose place values are even powers of 10.

• **BY 7**: if and only if the integer represented without its ones digits minus twice the ones digit of the original integer is divisible by 7.