

Rules of Divisibility

A number is divisible by:	If:	Test with 324
2	the ones digit is 0, 2, 4, 6, or 8 (or, it is an even number)	324: 4, an even number, is in the ones place. So, 324 is divisible by 2
3	the sum of the digits is divisible by 3	324: $3 + 2 + 4 = 9$ 9 is divisible by 3. So, 324 is too.
4	the number formed by the last two digits is divisible by 4	324: 24 is divisible by 4. So, 324 is too.
5	the last digit is 0 or 5	324: 4, the last digit, is not 0 or 5. So, 324 is not divisible by 5
6	the number is divisible by 2 and by 3	324: 324 is divisible by 2. 324 is divisible by 3. So, 324 is divisible by 6.
9	the sum of the digits is divisible by 9	324: $3 + 2 + 4 = 9$ 9 is divisible by 9. So, 324 is too.
10	the final digit is 0	324: 4, the final digit, is not 0. So, 324 is not divisible by 10.

Divisibility tests for 7 and 8 are not as simple as the tests for the other numbers from 1 through 10. Just go ahead and do the division.