

A number is divisible by

- 2 if the ones digit is an even number (0, 2, 4, 6, or 8).**

Example: Is 5,376 divisible by 2?

Yes, the ones digit is 6 so it is divisible by 2.

- 3 if the sum of the digits is divisible by 3.**

Example: Is 2,514 divisible by 3?

Yes, the sum of the digits ($2 + 5 + 1 + 4$) is 12 which is divisible by 3.

- 4 if the last two digits of the number are divisible by 4.**

Example: Is 3,716 divisible by 4?

Yes, the last two digits, 16, is divisible by 4.

- 5 if the ones digit is a 0 or 5.**

Example: Is 5,370 divisible by 5?

Yes, the ones digit is 0 so it is divisible by 5.

- 6 if the number is divisible by both 2 and 3.**

Example: Is 9,684 divisible by 6?

Yes, the ones digit is 4 so it is divisible by 2 and the sum of the digits ($9 + 6 + 8 + 4$) is 27 which is divisible by 3 so 9,684 is divisible by 6.

- 8 if the last three digits of the number are divisible by 8.**

Example: Is 8,432 divisible by 8?

Yes, the last three digits, 432, is divisible by 8.

- 9 if the sum of the digits is divisible by 9.**

Example: Is 8,712 divisible by 9?

Yes, the sum of the digits ($8 + 7 + 1 + 2$) is 18 which is divisible by 9.

- 10 if the ones digit is 0.**

Example: Is 9,730 divisible by 10?

Yes, the ones digit is 0 so it is divisible by 10.