How can I find the greatest common divisor (GCD) of a set of numbers in excel?

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To find the greatest common divisor (GCD) of a set of numbers in Excel, you can use the GCD function. This function allows you to input a range of numbers and it will calculate the largest number that can evenly divide all of the numbers in the range. This is useful for finding the largest common factor between multiple numbers. To use the GCD function, simply select the cell where you want the result to appear, type "=GCD(" and then select the range of numbers you want to find the GCD of, followed by closing the bracket. This will automatically calculate and display the GCD for the selected numbers.

This article describes the formula syntax and usage of the **GCD** function in Microsoft Excel.

Description

Returns the greatest common divisor of two or more integers. The greatest common divisor is the largest integer that divides both number1 and number2 without a remainder.

Syntax

GCD(number1, , ...)

The GCD function syntax has the following arguments:

Number1, number2, ... Number1 is required, subsequent numbers are optional. 1 to 255 values. If any value is not an integer, it is truncated.

Remarks

If any argument is nonnumeric, GCD returns the #VALUE! error value.

If any argument is less than zero, GCD returns the #NUM! error value.

One divides any value evenly.

A prime number has only itself and one as even divisors.

If a parameter to GCD is >=2^53, GCD returns the #NUM! error value.