

How can I use the LCM function in Excel to find the least common multiple of a set of numbers?

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The LCM (least common multiple) function in Excel is a powerful tool that can be used to find the smallest positive integer that is divisible by a set of numbers. This function is especially useful when dealing with fractions or when trying to find a common denominator. To use the LCM function, simply input the set of numbers into the formula and Excel will calculate the least common multiple for you. This function can save time and effort in finding the least common multiple manually, making it an essential tool for efficient data analysis and problem-solving in Excel.

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

Description

Returns the least common multiple of integers. The least common multiple is the smallest positive integer that is a multiple of all integer arguments number1, number2, and so on. Use LCM to add fractions with different denominators.

Syntax

LCM(number1, , ...)

The LCM function syntax has the following arguments:

Number1, number2,... Number1 is required, subsequent numbers are optional. 1 to 255 values for which you want the least common multiple. If value is not an integer, it is truncated.

Remarks

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

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

If $\text{LCM}(a,b) \geq 2^{53}$, LCM returns the #NUM! error value.