

How can I use the FACTDOUBLE function in Excel to calculate the double factorial of a number?

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The FACTDOUBLE function in Excel is a mathematical tool that allows users to calculate the double factorial of a number. A double factorial is a product of all the numbers between a given number and 1, skipping every other number. This function can be used by entering the desired number as the argument and the formula will return the double factorial value. This can be useful in various statistical and mathematical calculations. By utilizing the FACTDOUBLE function, users can quickly and accurately calculate the double factorial of a number in Excel.

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

Description

Returns the double factorial of a number.

Syntax

FACTDOUBLE(number)

The FACTDOUBLE function syntax has the following arguments:

Number Required. The value for which to return the double factorial. If number is not an integer, it is truncated.

Remarks

If number is nonnumeric, FACTDOUBLE returns the #VALUE! error value.

If number is negative, FACTDOUBLE returns the #NUM! error value.

If number is even:

$$n!! = n(n-2)(n-4)\dots(4)(2)$$

If number is odd:

$$n!! = n(n-2)(n-4)\dots(3)(1)$$