

How can I use the FLOOR.MATH function in Excel to round a number down to the nearest integer or specified multiple?

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The FLOOR.MATH function in Excel is a useful tool for rounding numbers down to the nearest integer or a specified multiple. This function takes two arguments - the number to be rounded and the multiple to be used. It then returns the largest multiple of the specified number that is equal to or less than the given number. This function is particularly helpful for financial and statistical calculations, where precise rounding of numbers is necessary. To use the FLOOR.MATH function, simply input the desired number and multiple into the function formula, and the result will be rounded down accordingly. This function is an efficient and accurate way to round numbers down in Excel.

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

Description

Round a number down to the nearest integer or to the nearest multiple of significance.

Syntax

FLOOR.MATH(number, significance, mode)

The FLOOR.MATH function syntax has the following arguments.

Number Required. The number to be rounded down.

Significance Optional. The multiple to which you want to round.

Mode Optional. The direction (toward or away from 0) to round negative numbers.

Remarks

By default, positive numbers with decimal portions are rounded down to the nearest integer. For example, 6.3 is rounded down to 6, using the default Significance (1).

By default, negative numbers with decimal portions are rounded away from 0 to the nearest integer. For example, -6.7 is rounded to -7.

By using 0 or a negative number as the Mode argument, you can change the direction of the rounding for negative numbers. For example, rounding -6.3 with a Significance of 1 and a Mode of -1 rounds toward 0, to -6.

The Significance argument rounds the number down to the nearest integer that is a multiple of the

significance specified. The exception is where the number to be rounded is an integer. For example, for a Significance of 3, the number is rounded down to the next integer that is a multiple of 3.

If Number divided by a Significance of 2 or greater results in a remainder, the result is rounded down.

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