

How can I use the **CEILING.PRECISE** function in Excel to round a number up to the nearest specified multiple?

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The CEILING.PRECISE function in Excel allows users to round a number up to the nearest specified multiple. This function is especially useful when working with data that needs to be rounded to a specific increment. By specifying the multiple in the function, the number will be rounded up to the closest number that is a multiple of that value. This can be helpful in financial calculations, data analysis, and other applications where precise rounding is necessary. The CEILING.PRECISE function can be easily accessed and utilized in Excel, making it a valuable tool for accurately manipulating data.

Returns a number that is rounded up to the nearest integer or to the nearest multiple of significance. Regardless of the sign of the number, the number is rounded up. However, if the number or the significance is zero, zero is returned.

Syntax

CEILING.PRECISE(number,)

The CEILING.PRECISE function syntax has the following arguments:

Number Required. The value to be rounded.

Significance Optional. The multiple to which number is to be rounded.

If significance is omitted, its default value is 1.

Remarks

The absolute value of the multiple is used, so that the CEILING.PRECISE function returns the mathematical ceiling irrespective of the signs of number and significance.

Example

Copy the example data in the following table, and paste it in cell A1 of a new Excel worksheet. For formulas to show results, select them, press F2, and then press Enter. If you need to, you can adjust the column widths to see all the data.

Formula	Description	Result
=CEILING.PRECISE(4.3)	Rounds 4.3 up to the nearest multiple of 1.	5
=CEILING.PRECISE(-4.3)	Rounds -4.3 up to the nearest multiple of 1. Rounds toward 0 because the number is negative.	-4
=CEILING.PRECISE(4.3, 2)	Rounds 4.3 up to the nearest multiple of 2.	6

Formula	Description	Result
=CEILING.PRECISE(4.3,-2)	Rounds 4.3 up to the nearest multiple of -2.	6
=CEILING.PRECISE(-4.3,2)	Rounds -4.3 up to the nearest multiple of 2. Rounds toward 0 because the number is negative.	-4
=CEILING.PRECISE(-4.3,-2)	Rounds -4.3 up to the nearest multiple of -2.	-4

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