

How can I use the CEILING.MATH function in Google Sheets to round up numbers to the nearest specified multiple?

Authored by
stats writer

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The CEILING.MATH function in Google Sheets allows users to round up numbers to the nearest specified multiple. This function is useful for tasks such as budgeting, where numbers need to be rounded up to the nearest whole dollar or for converting measurements to a specific unit. By inputting the number to be rounded and the desired multiple, the CEILING.MATH function will automatically round up the number to the nearest multiple. This function can save time and ensure accuracy in calculations, making it a valuable tool for users of Google Sheets.

CEILING.MATH function

The CEILING.MATH function rounds a number up to the nearest integer or to the nearest multiple of specified significance. It also specifies whether the number is rounded toward or away from 0 depending on the mode.

Parts of a CEILING.MATH function

`CEILING.MATH(number, ,)`

Part	Description	Notes
number	The value to round up to the nearest integer or if specified, the nearest multiple of significance.	
significance	The value to whose multiple number will be rounded.	
mode	If number is negative, specifies the rounding direction. If 0 or blank, it's rounded up towards zero. Otherwise, it's rounded down away from zero.	

Sample formulas

`CEILING.MATH(5.4)`

`CEILING.MATH(32, 5)`

`CEILING.MATH(-26.2, 10, 1)`

Notes

By default, positive numbers with decimal places are rounded up to the nearest integer. For example, 4.3 is rounded up to 5. By default, negative numbers with decimal places are rounded up towards zero to the nearest integer. For example, -4.7 is rounded up to -4.

Examples

	A	B
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1	Formula	Result
2	=CEILING.MATH(11.2)	12
3	=CEILING.MATH(-8.8)	-8
4	=CEILING.MATH(7.7,0.2)	7.8
5	=CEILING.MATH(-10.2,2,-1)	-12
6	=CEILING.MATH(-42,10,-1)	-50

Related functions

CEILING: The CEILING function rounds a number up to the nearest integer multiple of specified significance.**ROUNDUP:** Rounds a number to a certain number of decimal places, always rounding up to the next valid increment.**ROUND:** The ROUND function rounds a number to a certain number of decimal places according to standard rules.**FLOOR.MATH:** Rounds a number down to the nearest integer multiple of specified significance, with negative numbers rounding toward or away from zero depending on the mode.**FLOOR:** The FLOOR function rounds a number down to the nearest integer multiple of specified significance.