

How do I use the CEILING function in Excel to round a number up to the nearest specified multiple?

Authored by
stats writer

June 29, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I use the CEILING function in Excel to round a number up to the nearest specified multiple?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=157408>

The CEILING function in Excel is a mathematical formula that allows users to round a number up to the nearest specified multiple. This function is particularly useful when working with large sets of data or when trying to format numbers in a specific way. To use the CEILING function, simply input the number you want to round up and specify the multiple you want to round it to. The function will then return the rounded up number. This can be helpful for tasks such as budgeting, pricing, and creating charts or graphs. By utilizing the CEILING function, users can easily and accurately round numbers to fit their needs.

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

Description

Returns number rounded up, away from zero, to the nearest multiple of significance. For example, if you want to avoid using pennies in your prices and your product is priced at \$4.42, use the formula =CEILING(4.42,0.05) to round prices up to the nearest nickel.

Syntax

CEILING(number, significance)

The CEILING function syntax has the following arguments:

Number Required. The value you want to round.

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

Remarks

If either argument is nonnumeric, CEILING returns the #VALUE! error value.

Regardless of the sign of number, a value is rounded up when adjusted away from zero. If number is an exact multiple of significance, no rounding occurs.

If number is negative, and significance is negative, the value is rounded down, away from zero.

If number is negative, and significance is positive, the value is rounded up towards zero.