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

Authored by
stats writer

June 30, 2024

The CEILING.PRECISE function in Google Sheets is a mathematical tool that allows users to round a number up to the nearest specified multiple. This function is useful for situations where precise rounding is necessary, such as in financial calculations or data analysis. By simply inputting the desired number and the specified multiple, the function will automatically round the number up to the nearest multiple, ensuring accuracy and efficiency in calculations. This function can be easily accessed and used in Google Sheets, making it a valuable tool for users looking to streamline their data management processes.

CEILING.PRECISE function

The CEILING.PRECISE function rounds a number up to the nearest integer or multiple of specified significance. If the number is positive or negative, it's rounded up.

Parts of a CEILING.PRECISE formula

```
CEILING.PRECISE(number, )
```

Part	Description	Notes
`number`	The value to round up to the nearest integer or multiple of `significance`.	
`significance`	The number to whose multiples `number` will be rounded. The sign of `significance` will be ignored.	

Sample formulas

```
CEILING.PRECISE(-10.5, 1)
CEILING.PRECISE(96, 10)
CEILING.PRECISE(-23.25, 0.1)
```

Notes

By default, positive numbers with decimal places are rounded up to the nearest integer. For example, 4.3 is rounded up to 5.Negative numbers are rounded up (toward zero). For example, -4.3 is rounded up to -4.

Examples

	A	B
1	**Formula**	**Result**

2	`=CEILING.PRECISE(-10.5, 1)`	-10
3	`=CEILING.PRECISE(96, 10)`	100
4	`=CEILING.PRECISE(-23.25, 0.1)`	23.2

Related functions

CEILING: The CEILING function rounds a number up to the nearest integer multiple of specified significance.CEILING.MATH: 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.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: The FLOOR function rounds a number down to the nearest integer multiple of specified significance.FLOOR.MATH: The FLOOR.MATH function rounds a number down to the nearest integer or a multiple of specified significance, with negative numbers rounding toward or away from zero depending on the mode. FLOOR.PRECISE: The FLOOR.PRECISE functions rounds a number down to the nearest integer or multiple of specified significance.