

# How can I use the ROUND function in Excel to round a number to a specified number of decimal places?

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## RECOMMENDED CITATION

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The ROUND function in Excel allows users to round a number to a specified number of decimal places. This function is useful when needing to display data in a more simplified or precise format. To use the ROUND function, simply input the number to be rounded and specify the desired number of decimal places. This will automatically adjust the number to the nearest value based on the chosen decimal place. The ROUND function in Excel is a quick and efficient way to manipulate numerical data for more accurate and concise reporting.

## Description

The **ROUND** function rounds a number to a specified number of digits. For example, if cell A1 contains 23.7825, and you want to round that value to two decimal places, you can use the following formula:

```
=ROUND(A1, 2)
```

The result of this function is 23.78.

## Syntax

ROUND(number, num\_digits)

The ROUND function syntax has the following arguments:

**number** Required. The number that you want to round.

**num\_digits** Required. The number of digits to which you want to round the number argument.

## Remarks

If **num\_digits** is greater than 0 (zero), then number is rounded to the specified number of decimal places.

If **num\_digits** is 0, the number is rounded to the nearest integer.

If **num\_digits** is less than 0, the number is rounded to the left of the decimal point.

To always round up (away from zero), use the **ROUNDUP** function.

To always round down (toward zero), use the **ROUNDDOWN** function.

To round a number to a specific multiple (for example, to round to the nearest 0.5), use the **MROUND** function.

## 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
=ROUND(2.15, 1)	Rounds 2.15 to one decimal place	2.2
=ROUND(2.149, 1)	Rounds 2.149 to one decimal place	2.1
=ROUND(-1.475, 2)	Rounds -1.475 to two decimal places	-1.48
=ROUND(21.5, -1)	Rounds 21.5 to one decimal place to the left of the decimal point	20
=ROUND(626.3,-3)	Rounds 626.3 to the nearest multiple of 1000	1000
=ROUND(1.98,-1)	Rounds 1.98 to the nearest multiple of 10	0
=ROUND(-50.55,-2)	Rounds -50.55 to the nearest multiple of 100	-100