

# How do I use the QUARTILE.EXC function in Excel?

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## RECOMMENDED CITATION

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The QUARTILE.EXC function in Excel is a statistical tool that allows users to find the desired quartile of a given data set. This function calculates the quartile using the exclusive method, which excludes the quartile value from the calculation. To use this function, users need to input the data range and the desired quartile number as parameters. Excel will then return the corresponding quartile value. This function is helpful in analyzing data sets and identifying the distribution of values within a data set. It is a useful tool for making data-driven decisions and can be easily accessed through the Formulas tab in Excel.

Returns the quartile of the data set, based on percentile values from 0..1, exclusive.

## Syntax

QUARTILE.EXC(array, quart)

The QUARTILE.EXC function syntax has the following arguments:

**Array** Required. The array or cell range of numeric values for which you want the quartile value.

**Quart** Required. Indicates which value to return.

## Remarks

If array is empty, QUARTILE.EXC returns the #NUM! error value.

If quart is not an integer, it is truncated.

If  $\text{quart} \leq 0$  or if  $\text{quart} \geq 4$ , QUARTILE.EXC returns the #NUM! error value.

MIN, MEDIAN, and MAX return the same value as QUARTILE.EXC when quart is equal to 0 (zero), 2, and 4, respectively.

### 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.

Data		
6		
7		

<b>Data</b>		
15		
36		
39		
40		
41		
42		
43		
47		
49		
<b>Formula</b>	<b>Description</b>	<b>Result</b>
=QUARTILE.EXC(A2:A12,1)	Locates the position of the first quartile (15).	15
=QUARTILE.EXC(A2:A12,3)	Locates the position of the third quartile (43).	43