

How can I use the RANDBETWEEN function in Excel to generate a random number between a specified range?

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The RANDBETWEEN function in Excel allows users to generate a random number within a specified range. This function is useful for creating randomized data, selecting random samples, or simulating random events. To use the RANDBETWEEN function, users simply need to specify the minimum and maximum values of the desired range, and Excel will automatically generate a random number within that range. This feature is particularly helpful for businesses and individuals looking to add an element of randomness to their data analysis or decision-making processes.

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

Description

Returns a random integer number between the numbers you specify. A new random integer number is returned every time the worksheet is calculated.

Syntax

RANDBETWEEN(bottom, top)

The RANDBETWEEN function syntax has the following arguments:

Bottom Required. The smallest integer RANDBETWEEN will return.

Top Required. The largest integer RANDBETWEEN will return.

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
=RANDBETWEEN(1,100)	Random number between 1 and 100 (varies)	varies
=RANDBETWEEN(-1,1)	Random number between -1 and 1 (varies)	varies
Note: When a worksheet is recalculated by entering a formula or data in a different cell, or by manually recalculating (press F9), a new random number is generated for any formula that uses the RANDBETWEEN function.		