

How do I calculate the exponential function in Excel?

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The exponential function in Excel is calculated using the "EXP" function. This function takes in one argument, the exponent, and returns the value of e (the base of the natural logarithm) raised to the power of the exponent. This can be used to calculate the growth or decay of a quantity over time. Simply enter the desired exponent in the formula bar preceded by "EXP(", and close the function with a closing parenthesis. The result will be the exponential value of e raised to the specified power. This can be useful for various mathematical and financial calculations in Excel.

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

Description

Returns e raised to the power of number. The constant e equals 2.71828182845904, the base of the natural logarithm.

Syntax

EXP(number)

The EXP function syntax has the following arguments:

Number Required. The exponent applied to the base e.

Remarks

To calculate powers of other bases, use the exponentiation operator (^).

EXP is the inverse of LN, the natural logarithm of number.