

## EXCEL FUNCTIONS – MOST COMMON

This is a list of the most common Functions in Excel with a description. To see the syntax and a more in depth description, the function is a [link](#) to the Microsoft Excel site.

DATE & TIME FUNCTIONS	DESCRIPTION
<a href="#">DATE function</a>	Returns the serial number of a particular date
<a href="#">DATEVALUE function</a>	Converts a date in the form of text to a serial number
<a href="#">DAY function</a>	Converts a serial number to a day of the month
<a href="#">DAYS360 function</a>	Calculates the number of days between two dates based on a 360-day year
<a href="#">HOUR function</a>	Converts a serial number to an hour
<a href="#">MINUTE function</a>	Converts a serial number to a minute
<a href="#">MONTH function</a>	Converts a serial number to a month
<a href="#">NETWORKDAYS function</a>	Returns the number of whole workdays between two dates
<a href="#">NOW function</a>	Returns the serial number of the current date and time
<a href="#">SECOND function</a>	Converts a serial number to a second
<a href="#">TIME function</a>	Returns the serial number of a particular time
<a href="#">TIMEVALUE function</a>	Converts a time in the form of text to a serial number
<a href="#">TODAY function</a>	Returns the serial number of today's date
<a href="#">WEEKDAY function</a>	Converts a serial number to a day of the week
<a href="#">WEEKNUM function</a>	Converts a serial number to a number representing where the week falls numerically with a year
<a href="#">WORKDAY function</a>	Returns the serial number of the date before or after a specified number of workdays
<a href="#">YEAR function</a>	Converts a serial number to a year

FINANCIAL FUNCTION	DESCRIPTION
<a href="#">ACCRINT function</a>	Returns the accrued interest for a security that pays periodic interest
<a href="#">ACCRINTM function</a>	Returns the accrued interest for a security that pays interest at maturity
<a href="#">AMORDEGRC function</a>	Returns the depreciation for each accounting period by using a depreciation coefficient
<a href="#">AMORLINC function</a>	Returns the depreciation for each accounting period
<a href="#">COUPDAYBS function</a>	Returns the number of days from the beginning of the coupon period to the settlement date
<a href="#">COUPDAYS function</a>	Returns the number of days in the coupon period that contains the settlement date
<a href="#">COUPDAYSNC function</a>	Returns the number of days from the settlement date to the next coupon date

<a href="#">COUPNCD function</a>	Returns the next coupon date after the settlement date
<a href="#">COUPNUM function</a>	Returns the number of coupons payable between the settlement date and maturity date
<a href="#">COUPPCD function</a>	Returns the previous coupon date before the settlement date
<a href="#">CUMIPMT function</a>	Returns the cumulative interest paid between two periods
<a href="#">CUMPRINC function</a>	Returns the cumulative principal paid on a loan between two periods
<a href="#">DB function</a>	Returns the depreciation of an asset for a specified period by using the fixed-declining balance method
<a href="#">DDB function</a>	Returns the depreciation of an asset for a specified period by using the double-declining balance method or some other method that you specify
<a href="#">DISC function</a>	Returns the discount rate for a security
<a href="#">DOLLARDE function</a>	Converts a dollar price, expressed as a fraction, into a dollar price, expressed as a decimal number
<a href="#">DOLLARFR function</a>	Converts a dollar price, expressed as a decimal number, into a dollar price, expressed as a fraction
<a href="#">DURATION function</a>	Returns the annual duration of a security with periodic interest payments
<a href="#">EFFECT function</a>	Returns the effective annual interest rate
<a href="#">FV function</a>	Returns the future value of an investment
<a href="#">FVSCHEDULE function</a>	Returns the future value of an initial principal after applying a series of compound interest rates
<a href="#">INTRATE function</a>	Returns the interest rate for a fully invested security
<a href="#">IPMT function</a>	Returns the interest payment for an investment for a given period
<a href="#">IRR function</a>	Returns the internal rate of return for a series of cash flows
<a href="#">ISPMT function</a>	Calculates the interest paid during a specific period of an investment
<a href="#">MDURATION function</a>	Returns the Macauley modified duration for a security with an assumed par value of \$100
<a href="#">MIRR function</a>	Returns the internal rate of return where positive and negative cash flows are financed at different rates
<a href="#">NOMINAL function</a>	Returns the annual nominal interest rate
<a href="#">NPER function</a>	Returns the number of periods for an investment
<a href="#">NPV function</a>	Returns the net present value of an investment based on a series of periodic cash flows and a discount rate
<a href="#">ODDLPRICE function</a>	Returns the price per \$100 face value of a security with an odd last period
<a href="#">ODDLYIELD function</a>	Returns the yield of a security with an odd last period
<a href="#">PMT function</a>	Returns the periodic payment for an annuity
<a href="#">PPMT function</a>	Returns the payment on the principal for an investment for a given period

<a href="#">PRICE function</a>	Returns the price per \$100 face value of a security that pays periodic interest
<a href="#">PRICEDISC function</a>	Returns the price per \$100 face value of a discounted security
<a href="#">PRICEMAT function</a>	Returns the price per \$100 face value of a security that pays interest at maturity
<a href="#">PV function</a>	Returns the present value of an investment
<a href="#">RATE function</a>	Returns the interest rate per period of an annuity
<a href="#">RECEIVED function</a>	Returns the amount received at maturity for a fully invested security
<a href="#">SLN function</a>	Returns the straight-line depreciation of an asset for one period
<a href="#">SYD function</a>	Returns the sum-of-years' digits depreciation of an asset for a specified period
<a href="#">TBILLEQ function</a>	Returns the bond-equivalent yield for a Treasury bill
<a href="#">TBILLPRICE function</a>	Returns the price per \$100 face value for a Treasury bill
<a href="#">TBILLYIELD function</a>	Returns the yield for a Treasury bill
<a href="#">VDB function</a>	Returns the depreciation of an asset for a specified or partial period by using a declining balance method
<a href="#">XIRR function</a>	Returns the internal rate of return for a schedule of cash flows that is not necessarily periodic
<a href="#">XNPV function</a>	Returns the net present value for a schedule of cash flows that is not necessarily periodic
<a href="#">YIELD function</a>	Returns the yield on a security that pays periodic interest
<a href="#">YIELDDISC function</a>	Returns the annual yield for a discounted security; for example, a Treasury bill
<a href="#">YIELDMAT function</a>	Returns the annual yield of a security that pays interest at maturity

<b>INFORMATION FUNCTIONS</b>	<b>DESCRIPTION</b>
<a href="#">CELL function</a>	Returns information about the formatting, location, or contents of a cell Note This function is not available in Excel Web App.
<a href="#">ERROR.TYPE function</a>	Returns a number corresponding to an error type
<a href="#">INFO function</a>	Returns information about the current operating environment Note This function is not available in Excel Web App.
<a href="#">ISBLANK function</a>	Returns TRUE if the value is blank
<a href="#">ISERR function</a>	Returns TRUE if the value is any error value except #N/A
<a href="#">ISERROR function</a>	Returns TRUE if the value is any error value
<a href="#">ISEVEN function</a>	Returns TRUE if the number is even
<a href="#">ISLOGICAL function</a>	Returns TRUE if the value is a logical value
<a href="#">ISNA function</a>	Returns TRUE if the value is the #N/A error value
<a href="#">ISNONTEXT function</a>	Returns TRUE if the value is not text
<a href="#">ISNUMBER function</a>	Returns TRUE if the value is a number
<a href="#">ISODD function</a>	Returns TRUE if the number is odd

<a href="#">ISREF function</a>	Returns TRUE if the value is a reference
<a href="#">ISTEXT function</a>	Returns TRUE if the value is text
<a href="#">N function</a>	Returns a value converted to a number
<a href="#">NA function</a>	Returns the error value #N/A
<a href="#">TYPE function</a>	Returns a number indicating the data type of a value

LOGICAL FUNCTION	DESCRIPTION
<a href="#">AND function</a>	Returns TRUE if all of its arguments are TRUE
<a href="#">FALSE function</a>	Returns the logical value FALSE
<a href="#">IF function</a>	Specifies a logical test to perform
<a href="#">IFERROR function</a>	Returns a value you specify if a formula evaluates to an error; otherwise, returns the result of the formula
<a href="#">NOT function</a>	Reverses the logic of its argument
<a href="#">OR function</a>	Returns TRUE if any argument is TRUE
<a href="#">TRUE function</a>	Returns the logical value TRUE

LOOKUP AND REFERENCE FUNCTIONS	DESCRIPTION
<a href="#">ADDRESS function</a>	Returns a reference as text to a single cell in a worksheet
<a href="#">AREAS function</a>	Returns the number of areas in a reference
<a href="#">CHOOSE function</a>	Chooses a value from a list of values
<a href="#">COLUMN function</a>	Returns the column number of a reference
<a href="#">COLUMNS function</a>	Returns the number of columns in a reference
<a href="#">GETPIVOTDATA function</a>	Returns data stored in a PivotTable report
<a href="#">HLOOKUP function</a>	Looks in the top row of an array and returns the value of the indicated cell
<a href="#">INDEX function</a>	Uses an index to choose a value from a reference or array
<a href="#">INDIRECT function</a>	Returns a reference indicated by a text value
<a href="#">LOOKUP function</a>	Looks up values in a vector or array
<a href="#">MATCH function</a>	Looks up values in a reference or array
<a href="#">OFFSET function</a>	Returns a reference offset from a given reference
<a href="#">ROW function</a>	Returns the row number of a reference
<a href="#">ROWS function</a>	Returns the number of rows in a reference
<a href="#">TRANSPOSE function</a>	Returns the transpose of an array
<a href="#">VLOOKUP function</a>	Looks in the first column of an array and moves across the row to return the value of a cell

<b>MATH AND TRIGONOMETRY FUNCTION</b>	<b>DESCRIPTION</b>
<a href="#">ABS function</a>	Returns the absolute value of a number
<a href="#">ACOS function</a>	Returns the arccosine of a number
<a href="#">AGGREGATE function</a>	Returns an aggregate in a list or database
<a href="#">ASIN function</a>	Returns the arcsine of a number
<a href="#">ASINH function</a>	Returns the inverse hyperbolic sine of a number
<a href="#">ATAN function</a>	Returns the arctangent of a number
<a href="#">CEILING function</a>	Rounds a number to the nearest integer or to the nearest multiple of significance
<a href="#">COMBIN function</a>	Returns the number of combinations for a given number of objects
<a href="#">COS function</a>	Returns the cosine of a number
<a href="#">COSH function</a>	Returns the hyperbolic cosine of a number
<a href="#">DEGREES function</a>	Converts radians to degrees
<a href="#">EVEN function</a>	Rounds a number up to the nearest even integer
<a href="#">EXP function</a>	Returns e raised to the power of a given number
<a href="#">FLOOR function</a>	Rounds a number down, toward zero
<a href="#">INT function</a>	Rounds a number down to the nearest integer
<a href="#">ISO.CEILING function</a>	Returns a number that is rounded up to the nearest integer or to the nearest multiple of significance
<a href="#">LCM function</a>	Returns the least common multiple
<a href="#">LN function</a>	Returns the natural logarithm of a number
<a href="#">LOG function</a>	Returns the logarithm of a number to a specified base
<a href="#">LOG10 function</a>	Returns the base-10 logarithm of a number
<a href="#">MOD function</a>	Returns the remainder from division
<a href="#">MROUND function</a>	Returns a number rounded to the desired multiple
<a href="#">ODD function</a>	Rounds a number up to the nearest odd integer
<a href="#">PI function</a>	Returns the value of pi
<a href="#">POWER function</a>	Returns the result of a number raised to a power
<a href="#">PRODUCT function</a>	Multiplies its arguments
<a href="#">QUOTIENT function</a>	Returns the integer portion of a division
<a href="#">RADIANS function</a>	Converts degrees to radians
<a href="#">SIGN function</a>	Returns the sign of a number
<a href="#">SIN function</a>	Returns the sine of the given angle
<a href="#">SINH function</a>	Returns the hyperbolic sine of a number
<a href="#">SQRT function</a>	Returns a positive square root
<a href="#">SQRTPI function</a>	Returns the square root of (number * pi)

<a href="#">SUBTOTAL function</a>	Returns a subtotal in a list or database
<a href="#">SUM function</a>	Adds its arguments
<a href="#">SUMIF function</a>	Adds the cells specified by a given criteria
<a href="#">SUMIFS function</a>	Adds the cells in a range that meet multiple criteria
<a href="#">SUMPRODUCT function</a>	Returns the sum of the products of corresponding array components
<a href="#">TAN function</a>	Returns the tangent of a number
<a href="#">TANH function</a>	Returns the hyperbolic tangent of a number
<a href="#">TRUNC function</a>	Truncates a number to an integer

STATISTICAL FUNCTIONS	DESCRIPTION
<a href="#">AVERAGE function</a>	Returns the average of its arguments
<a href="#">AVERAGEIF function</a>	Returns the average (arithmetic mean) of all the cells in a range that meet a given criteria
<a href="#">COUNT function</a>	Counts how many numbers are in the list of arguments
<a href="#">COUNTA function</a>	Counts how many values are in the list of arguments
<a href="#">COUNTBLANK function</a>	Counts the number of blank cells within a range
<a href="#">COUNTIF function</a>	Counts the number of cells within a range that meet the given criteria
<a href="#">LARGE function</a>	Returns the k-th largest value in a data set
<a href="#">MAX function</a>	Returns the maximum value in a list of arguments
<a href="#">MAXA function</a>	Returns the maximum value in a list of arguments, including numbers, text, and logical values
<a href="#">MEDIAN function</a>	Returns the median of the given numbers
<a href="#">MIN function</a>	Returns the minimum value in a list of arguments
<a href="#">MINA function</a>	Returns the smallest value in a list of arguments, including numbers, text, and logical values

TEXT FUNCTIONS	DESCRIPTION
<a href="#">CHAR function</a>	Returns the character specified by the code number
<a href="#">CLEAN function</a>	Removes all nonprintable characters from text
<a href="#">CODE function</a>	Returns a numeric code for the first character in a text string
<a href="#">CONCATENATE function</a>	Joins several text items into one text item
<a href="#">DOLLAR function</a>	Converts a number to text, using the \$ (dollar) currency format
<a href="#">EXACT function</a>	Checks to see if two text values are identical
<a href="#">FIND, FINDB functions</a>	Finds one text value within another (case-sensitive)
<a href="#">FIXED function</a>	Formats a number as text with a fixed number of decimals
<a href="#">LEFT, LEFTB functions</a>	Returns the leftmost characters from a text value

<a href="#">LEN, LENB functions</a>	Returns the number of characters in a text string
<a href="#">LOWER function</a>	Converts text to lowercase
<a href="#">MID, MIDB functions</a>	Returns a specific number of characters from a text string starting at the position you specify
<a href="#">PROPER function</a>	Capitalizes the first letter in each word of a text value
<a href="#">REPLACE, REPLACEB functions</a>	Replaces characters within text
<a href="#">REPT function</a>	Repeats text a given number of times
<a href="#">RIGHT, RIGHTB functions</a>	Returns the rightmost characters from a text value
<a href="#">SEARCH, SEARCHB functions</a>	Finds one text value within another (not case-sensitive)
<a href="#">SUBSTITUTE function</a>	Substitutes new text for old text in a text string
<a href="#">T function</a>	Converts its arguments to text
<a href="#">TEXT function</a>	Formats a number and converts it to text
<a href="#">TRIM function</a>	Removes spaces from text
<a href="#">UPPER function</a>	Converts text to uppercase
<a href="#">VALUE function</a>	Converts a text argument to a number

<b>OTHER FUNCTIONS</b>	<b>DESCRIPTION</b>
<a href="#">RAND function</a>	Returns a random number between 0 and 1
<a href="#">RANDBETWEEN function</a>	Returns a random number between the numbers you specify
<a href="#">ROMAN function</a>	Converts an arabic numeral to roman, as text
<a href="#">ROUND function</a>	Rounds a number to a specified number of digits
<a href="#">ROUNDDOWN function</a>	Rounds a number down, toward zero
<a href="#">ROUNDUP function</a>	Rounds a number up, away from zero
<a href="#">HYPERLINK function</a>	Creates a shortcut or jump that opens a document stored on a network server, an intranet, or the Internet