# EXCEL FORMULS

**=INDEX(array, row\_num, [column\_num])**

[array: This is the range of cells or array from which you want to retrieve a value1](https://support.microsoft.com/en-us/office/index-function-a5dcf0dd-996d-40a4-a822-b56b061328bd" \t "https://edgeservices.bing.com/edgesvc/_blank).

[row\_num: This is the row number in the array from which you want to retrieve a value1](https://support.microsoft.com/en-us/office/index-function-a5dcf0dd-996d-40a4-a822-b56b061328bd" \t "https://edgeservices.bing.com/edgesvc/_blank).

column\_num: This is optional. It’s the column number in the array from which you want to retrieve a value. [If you omit column\_num, row\_num is required1](https://support.microsoft.com/en-us/office/index-function-a5dcf0dd-996d-40a4-a822-b56b061328bd" \t "https://edgeservices.bing.com/edgesvc/_blank).

**=MATCH(lookup\_value, lookup\_array, [match\_type])**

[lookup\_value: This is the value you want to find1](https://support.microsoft.com/en-us/office/match-function-e8dffd45-c762-47d6-bf89-533f4a37673a" \t "https://edgeservices.bing.com/edgesvc/_blank).

[lookup\_array: This is the range of cells containing the value you want to find1](https://support.microsoft.com/en-us/office/match-function-e8dffd45-c762-47d6-bf89-533f4a37673a" \t "https://edgeservices.bing.com/edgesvc/_blank).

match\_type: This is optional. [It defines the match type: 1 for less than, 0 for exact match, and -1 for greater than1](https://support.microsoft.com/en-us/office/match-function-e8dffd45-c762-47d6-bf89-533f4a37673a" \t "https://edgeservices.bing.com/edgesvc/_blank).

**=INDEX(A1:C10, MATCH("YourLookupValue", A1:A10, 0), 3)**

When combined, the INDEX and MATCH functions can be used to look up a value at a specific location based on some criteria.

**=VLOOKUP(lookup\_value, table\_array, col\_index\_num, [range\_lookup])**

[lookup\_value: This is the value you want to find](https://support.microsoft.com/en-us/office/vlookup-function-0bbc8083-26fe-4963-8ab8-93a18ad188a1" \t "https://edgeservices.bing.com/edgesvc/_blank).

[table\_array: This is the range of cells that makes up the table](https://support.microsoft.com/en-us/office/vlookup-function-0bbc8083-26fe-4963-8ab8-93a18ad188a1" \t "https://edgeservices.bing.com/edgesvc/_blank)

[col\_index\_num: This is the column number in the table from which you want to retrieve a value](https://support.microsoft.com/en-us/office/vlookup-function-0bbc8083-26fe-4963-8ab8-93a18ad188a1" \t "https://edgeservices.bing.com/edgesvc/_blank).

range\_lookup: This is optional. [It defines the match type: TRUE for an approximate match, and FALSE for an exact match](https://support.microsoft.com/en-us/office/vlookup-function-0bbc8083-26fe-4963-8ab8-93a18ad188a1" \t "https://edgeservices.bing.com/edgesvc/_blank)