

How can I use VLOOKUP with multiple criteria in Google Sheets?

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VLOOKUP is a powerful tool in Google Sheets that allows users to search for specific values in a table and return corresponding data from another column. In order to use VLOOKUP with multiple criteria, users must first set up their data in a way that includes all the criteria they wish to search for. This can be achieved by organizing the data in columns and rows, with the criteria listed in separate columns. Then, by using the VLOOKUP function with the "ARRAYFORMULA" function, users can input multiple criteria to search for and retrieve the desired data. This enables users to efficiently and accurately search for specific information from a large dataset in Google Sheets.

Google Sheets: Use VLOOKUP with Multiple Criteria

Often you may want to use VLOOKUP in Google Sheets to look up values based on multiple criteria.

For example, suppose we have the following two datasets and you would like to use VLOOKUP in the right dataset to return the value in the Points column that matches both the value in the Team column and the Position column in the left dataset:

	A	B	C	D	E	F	G	H	I
1		Team	Position	Points		Team	Position	Assists	Points
2		Mavs	Guard	22		Warriors	Guard	4	
3		Mavs	Forward	29		Heat	Forward	9	
4		Mavs	Center	34		Heat	Guard	8	
5		Heat	Guard	13		Celtics	Center	5	
6		Heat	Forward	19		Mavs	Forward	5	
7		Heat	Center	22		Mavs	Center	8	
8		Celtics	Guard	29		Warriors	Forward	6	
9		Celtics	Forward	25		Heat	Center	9	
10		Celtics	Center	20		Celtics	Forward	3	
11		Warriors	Guard	31		Warriors	Center	10	
12		Warriors	Forward	35		Celtics	Guard	12	
13		Warriors	Center	24		Mavs	Guard	7	
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The following step-by-step example shows how to do so.

Step 1: Create a Helper Column

Before we can perform the VLOOKUP, we must first create a helper column in the first dataset that joins together the values in the Team and Points columns.

We'll type the following formula into cell A2:

=B2&C2

We'll then drag and fill this formula down to each remaining cell in column A:

A2 *fx* =B2&C2

	A	B	C	D	E
1	Team&Position	Team	Position	Points	
2	MavsGuard	Mavs	Guard	22	
3	MavsForward	Mavs	Forward	29	
4	MavsCenter	Mavs	Center	34	
5	HeatGuard	Heat	Guard	13	
6	HeatForward	Heat	Forward	19	
7	HeatCenter	Heat	Center	22	
8	CelticsGuard	Celtics	Guard	29	
9	CelticsForward	Celtics	Forward	25	
10	CelticsCenter	Celtics	Center	20	
11	WarriorsGuard	Warriors	Guard	31	
12	WarriorsForward	Warriors	Forward	35	
13	WarriorsCenter	Warriors	Center	24	
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Column A now contains a concatenation of the Team and Position values.

We will use this new column in our VLOOKUP formula in the next step.

Step 2: Use VLOOKUP with Multiple Criteria

Next, we can type the following formula into cell I2:

=VLOOKUP(F2&G2, \$A\$2:\$D\$13, 4, FALSE)

We'll then drag and fill this formula down to each remaining cell in column I:

	A	B	C	D	E	F	G	H	I
1	Team&Position	Team	Position	Points		Team	Position	Assists	Points
2	MavsGuard	Mavs	Guard	22		Warriors	Guard	4	31
3	MavsForward	Mavs	Forward	29		Heat	Forward	9	19
4	MavsCenter	Mavs	Center	34		Heat	Guard	8	13
5	HeatGuard	Heat	Guard	13		Celtics	Center	5	20
6	HeatForward	Heat	Forward	19		Mavs	Forward	5	29
7	HeatCenter	Heat	Center	22		Mavs	Center	8	34
8	CelticsGuard	Celtics	Guard	29		Warriors	Forward	6	35
9	CelticsForward	Celtics	Forward	25		Heat	Center	9	22
10	CelticsCenter	Celtics	Center	20		Celtics	Forward	3	25
11	WarriorsGuard	Warriors	Guard	31		Warriors	Center	10	24
12	WarriorsForward	Warriors	Forward	35		Celtics	Guard	12	29
13	WarriorsCenter	Warriors	Center	24		Mavs	Guard	7	22
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Notice that the points value for each player in the right dataset matches the points value for the corresponding player in the left dataset.

We have successfully used a VLOOKUP with multiple criteria.