

How can I use XLOOKUP with multiple criteria in Excel?

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XLOOKUP is a powerful function in Excel that allows users to search for a specific value in a range of cells and return a corresponding value from another column. This function can be used with multiple criteria to narrow down the search results and provide more accurate data. To use XLOOKUP with multiple criteria, users can add additional conditions to the formula, such as using logical operators like AND or OR, to refine the search. This will enable users to quickly find specific data points that meet the desired criteria, making data analysis and retrieval more efficient and accurate.

Excel: Use XLOOKUP with Multiple Criteria

You can use the following XLOOKUP formula in Excel to look up cells that meet multiple criteria:

```
=XLOOKUP(F2&G2&H2,A2:A13&B2:B13&C2:C13,D2:D13)
```

This particular formula will look for the cell in the range D2:D13 where the following criteria is all met:

The value in cell range A2:A13 is equal to the value in cell F2
The value in cell range B2:B13 is equal to the value in cell G2
The value in cell range C2:C13 is equal to the value in cell H2

The following example shows how to use this formula in practice.

Example: XLOOKUP with Multiple Criteria in Excel

Suppose we have the following dataset that contains information about various basketball players:

	A	B	C	D	E	F
1	Team	Position	Starter	Points		
2	Mavs	Guard	Yes	29		
3	Mavs	Guard	No	13		
4	Mavs	Forward	Yes	19		
5	Mavs	Center	Yes	23		
6	Cavs	Guard	No	12		
7	Cavs	Guard	Yes	30		
8	Cavs	Forward	Yes	31		
9	Cavs	Center	No	8		
10	Lakers	Guard	No	12		
11	Lakers	Guard	Yes	19		
12	Lakers	Forward	No	22		
13	Lakers	Center	Yes	24		
14						
15						
16						
17						
18						
19						
20						
21						

Now suppose we would like to look up the points value for the player who meets all of the following criteria:

Team = Cavs
Position = Guard
Starter = Yes

We can use the following formula to do so:

We can type this formula into cell I2 and then press Enter:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Starter	Points		Team	Position	Starter	Points
2	Mavs	Guard	Yes	29		Cavs	Guard	Yes	30
3	Mavs	Guard	No	13					
4	Mavs	Forward	Yes	19					
5	Mavs	Center	Yes	23					
6	Cavs	Guard	No	12					
7	Cavs	Guard	Yes	30					
8	Cavs	Forward	Yes	31					
9	Cavs	Center	No	8					
10	Lakers	Guard	No	12					
11	Lakers	Guard	Yes	19					
12	Lakers	Forward	No	22					
13	Lakers	Center	Yes	24					
14									
15									
16									
17									
18									
19									
20									

We can check the original dataset and confirm that this

is the correct points value for the player that meets all of these criteria:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Starter	Points		Team	Position	Starter	Points
2	Mavs	Guard	Yes	29		Cavs	Guard	Yes	30
3	Mavs	Guard	No	13					
4	Mavs	Forward	Yes	19					
5	Mavs	Center	Yes	23					
6	Cavs	Guard	No	12					
7	Cavs	Guard	Yes	30					
8	Cavs	Forward	Yes	31					
9	Cavs	Center	No	8					
10	Lakers	Guard	No	12					
11	Lakers	Guard	Yes	19					
12	Lakers	Forward	No	22					
13	Lakers	Center	Yes	24					
14									
15									
16									
17									
18									
19									
20									
21									

The following tutorials explain how to perform other common operations in Excel: