

How can I use SUMIF with OR in Excel?

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SUMIF is a useful function in Microsoft Excel that allows users to quickly calculate the sum of a specific range of cells based on a single criteria. However, in some cases, multiple criteria may need to be applied. This is where the OR function comes in. By combining SUMIF with OR, users can specify multiple criteria within a single formula, allowing them to perform a more flexible and accurate calculation. This can be particularly useful when dealing with large datasets or when trying to find specific values within a range of data. Overall, using SUMIF with OR in Excel enables users to efficiently and effectively perform complex calculations, making data analysis and management easier and more efficient.

Use SUMIF with OR in Excel

You can use the following formulas to combine the SUMIF function with the OR function in Excel:

Method 1: SUMIF with OR (One Column)

```
=SUM(SUMIFS(B2:B13, A2:A13,{"Value1","Value2",  
"Value3"}))
```

This particular formula finds the sum of values in B2:B13 where the corresponding value in A2:A13 contains "Value1", "Value2", or "Value3."

Method 2: SUMIF with OR (Multiple Columns)

```
=SUMIF(A2:A13,"Value1",  
C2:C13)+SUMIF(B2:B13,"Value2", C2:C13)
```

This particular formula finds the sum of values in C2:C13 where the corresponding value in A2:A13 contains "Value1" or the corresponding value in B2:B13 contains "Value2."

The following example shows how to use each method in practice with the following dataset in Excel:

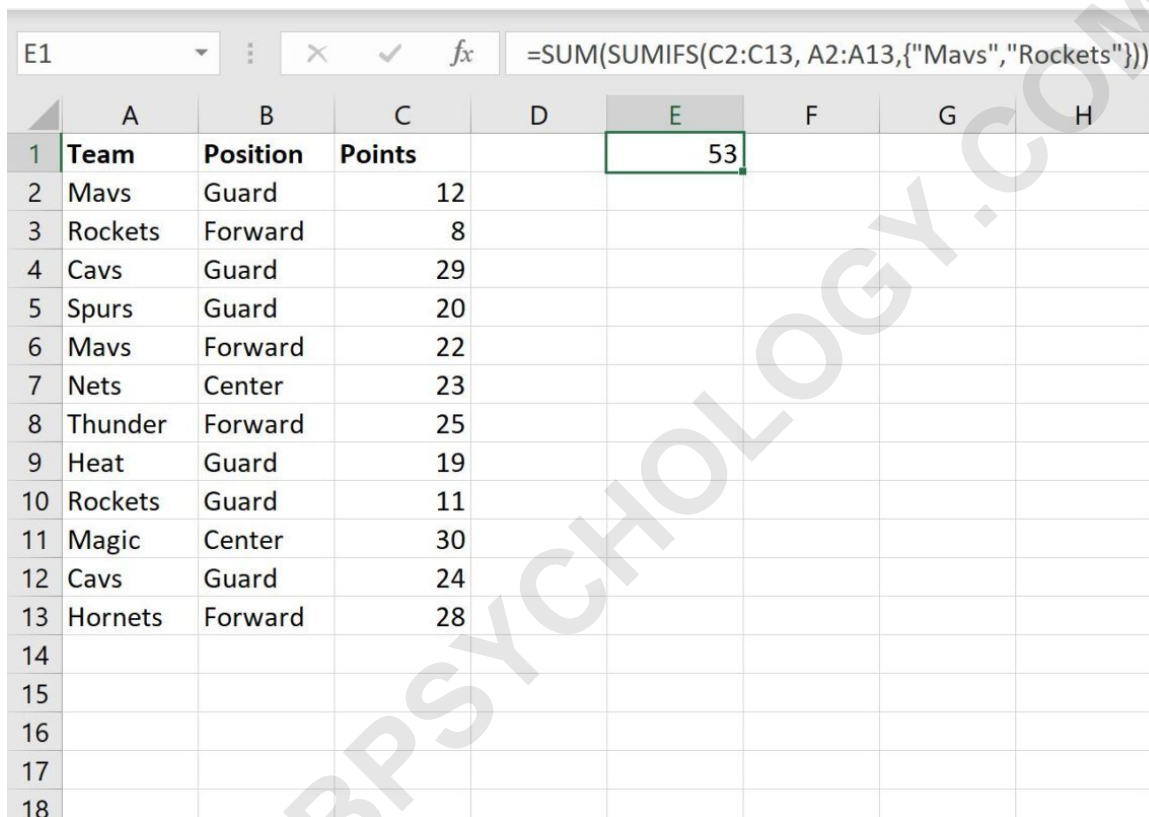
	A	B	C	D	E	F
1	Team	Position	Points			
2	Mavs	Guard	12			
3	Rockets	Forward	8			
4	Cavs	Guard	29			
5	Spurs	Guard	20			
6	Mavs	Forward	22			
7	Nets	Center	23			
8	Thunder	Forward	25			
9	Heat	Guard	19			
10	Rockets	Guard	11			
11	Magic	Center	30			
12	Cavs	Guard	24			
13	Hornets	Forward	28			
14						
15						
16						
17						
18						
19						

Example 1: SUMIF with OR (One Column)

We can use the following formula to sum the values in the Points column where the value in the Team column is equal to "Mavs" or "Rockets":

=SUM(SUMIFS(C2:C13, A2:A13,{"Mavs","Rockets"}))

The following screenshot shows how to use this formula in practice:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H
1	Team	Position	Points		53			
2	Mavs	Guard	12					
3	Rockets	Forward	8					
4	Cavs	Guard	29					
5	Spurs	Guard	20					
6	Mavs	Forward	22					
7	Nets	Center	23					
8	Thunder	Forward	25					
9	Heat	Guard	19					
10	Rockets	Guard	11					
11	Magic	Center	30					
12	Cavs	Guard	24					
13	Hornets	Forward	28					
14								
15								
16								
17								
18								

The sum of the values in the Points column where the value in the Team column is equal to "Mavs" or "Rockets" is 53.

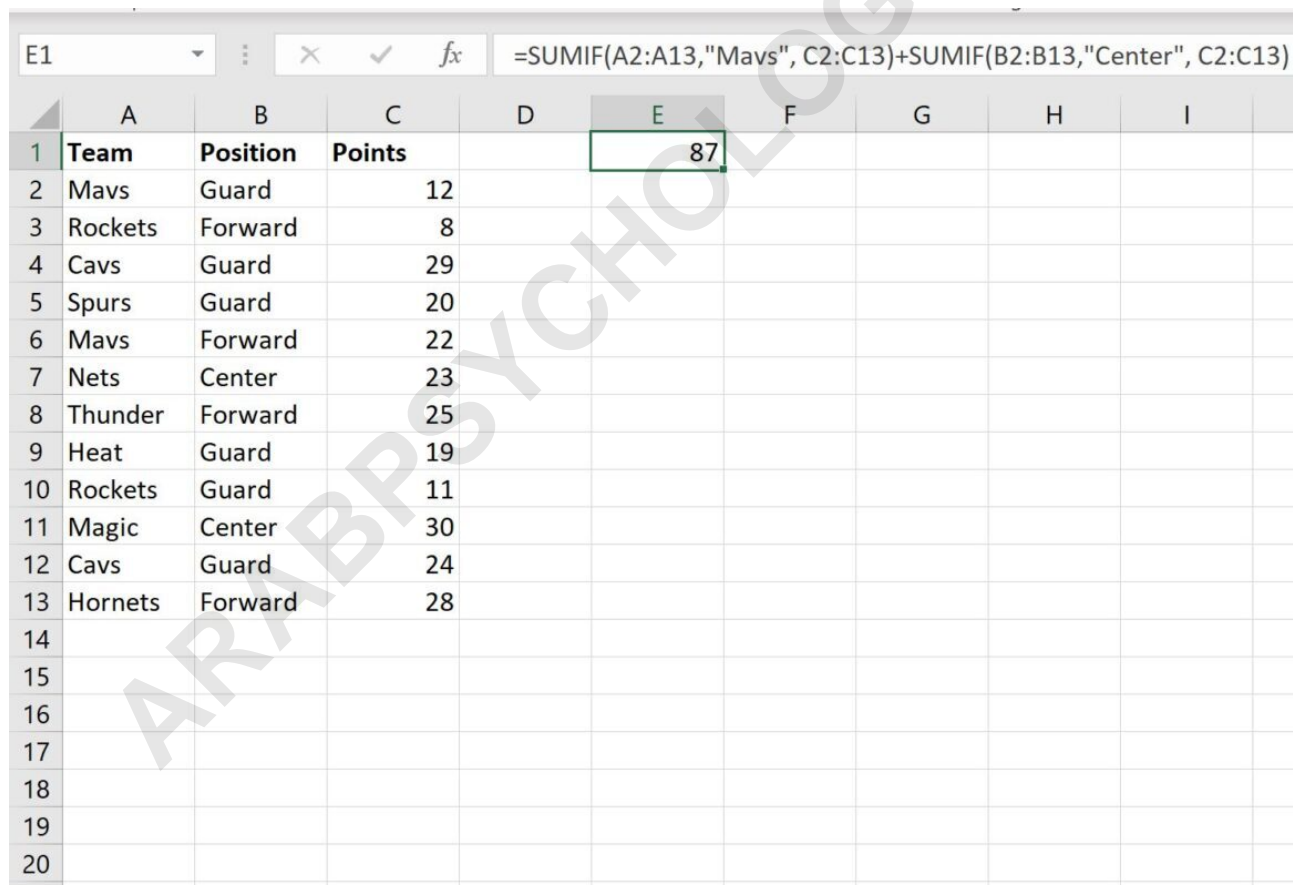
Example 2: SUMIF with OR (Multiple Columns)

We can use the following formula to sum the values in the Points column where the value in the Team column

is equal to "Mavs" or the value in the Position column is "Center":

=SUMIF(A2:A13,"Mavs",C2:C13)+SUMIF(B2:B13,"Center",C2:C13)

The following screenshot shows how to use this formula in practice:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Points		87				
2	Mavs	Guard	12						
3	Rockets	Forward	8						
4	Cavs	Guard	29						
5	Spurs	Guard	20						
6	Mavs	Forward	22						
7	Nets	Center	23						
8	Thunder	Forward	25						
9	Heat	Guard	19						
10	Rockets	Guard	11						
11	Magic	Center	30						
12	Cavs	Guard	24						
13	Hornets	Forward	28						
14									
15									
16									
17									
18									
19									
20									

The sum of the values in the Points column where the value in the Team column is equal to "Mavs" or the

value in the Position column is "Center" is 87.

Additional Resources

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

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