

How can I use the SMALL IF function in Excel? Can you provide some examples?

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The SMALL IF function in Excel allows users to find the nth smallest value in a range of data that meets a specific criteria. This function is useful for analyzing data and identifying the top or bottom values that meet a certain condition. For example, it can be used to find the top 3 highest sales for a particular product or the bottom 5 lowest grades in a class. To use the SMALL IF function, users must specify the range of data, the nth smallest value to be returned, and the criteria to be met. Some examples of using the SMALL IF function include finding the smallest value in a range of data that is greater than a certain number, or finding the smallest value in a range of data that falls within a specific date range. This function is a useful tool for data analysis and can help users quickly identify important information within a large set of data.

Use SMALL IF Function in Excel (With Examples)

You can use the following formulas to perform a SMALL IF function in Excel:

Formula 1: SMALL IF with One Criteria

```
=SMALL(IF(A2:A16="A",C2:C16),2)
```

This formula finds the 2nd smallest value in C2:C16 where the value in A2:A16 is equal to "A".

Formula 2: SMALL IF with Multiple Criteria

```
=SMALL(IF((A2:A16="A")*(B2:B16="Forward"),C2:C16),2)
```

This formula finds the 2nd smallest value in C2:C16 where the value in A2:A16 is equal to "A" and the value

in B2:B16 is equal to "Forward".

The following examples show how to use each formula in practice with the following dataset in Excel:

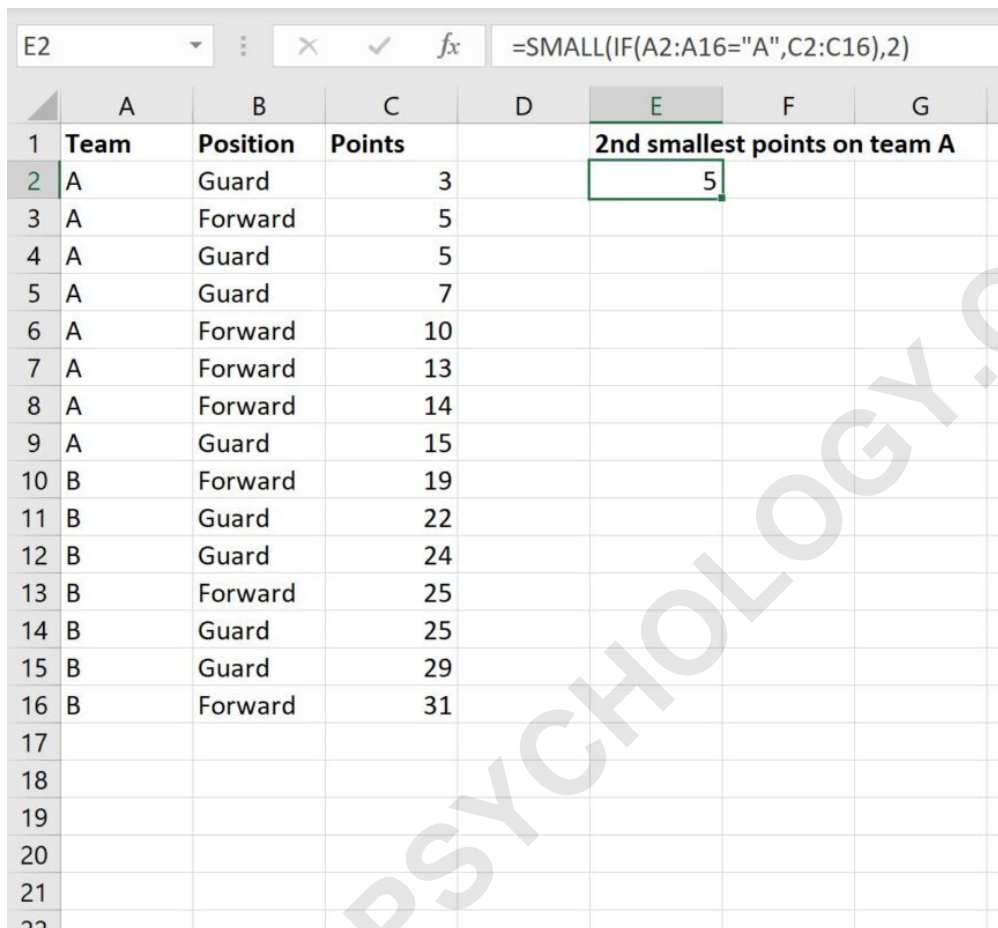
	A	B	C	D	E	F
1	Team	Position	Points			
2	A	Guard	3			
3	A	Forward	5			
4	A	Guard	5			
5	A	Guard	7			
6	A	Forward	10			
7	A	Forward	13			
8	A	Forward	14			
9	A	Guard	15			
10	B	Forward	19			
11	B	Guard	22			
12	B	Guard	24			
13	B	Forward	25			
14	B	Guard	25			
15	B	Guard	29			
16	B	Forward	31			
17						
18						
19						
20						
21						
22						

Example 1: SMALL IF with One Criteria

We can use the following formula to find the 2nd smallest value in C2:C16 where the value in A2:A16 is equal to "A":

=SMALL(IF(A2:A16="A",C2:C16),2)

The following screenshot shows how to use this formula:



The screenshot displays an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G
1	Team	Position	Points		2nd smallest points on team A		
2	A	Guard	3		5		
3	A	Forward	5				
4	A	Guard	5				
5	A	Guard	7				
6	A	Forward	10				
7	A	Forward	13				
8	A	Forward	14				
9	A	Guard	15				
10	B	Forward	19				
11	B	Guard	22				
12	B	Guard	24				
13	B	Forward	25				
14	B	Guard	25				
15	B	Guard	29				
16	B	Forward	31				
17							
18							
19							
20							
21							
22							

This tells us that the 2nd smallest points value among all players on team A is 5.

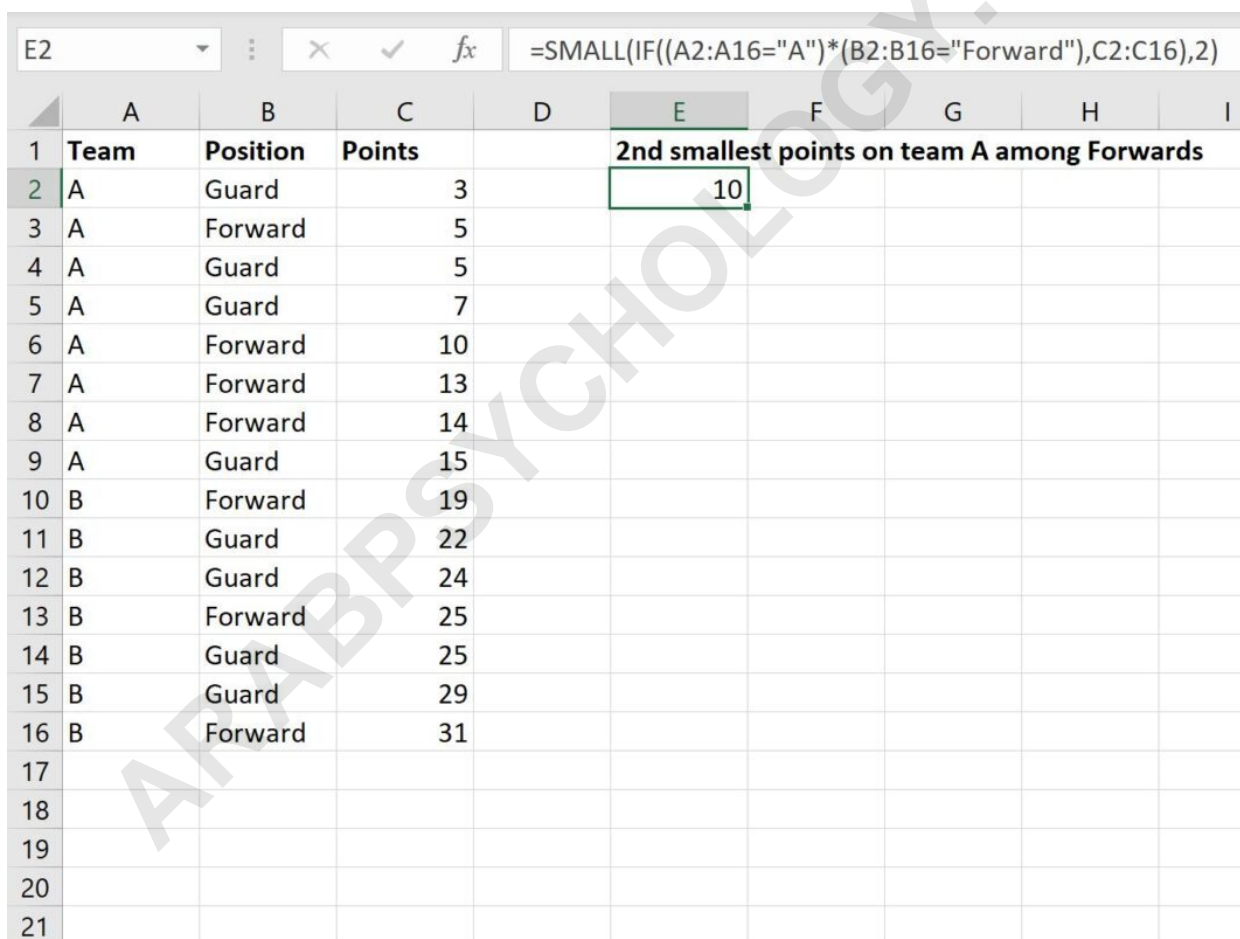
Example 2: SMALL IF with Multiple Criteria

We can use the following formula to find the 2nd smallest value in C2:C16 where the value in A2:A16 is equal to "A" and the value in B2:B16 is equal to

"Forward":

=SMALL(IF((A2:A16="A")*(B2:B16="Forward"),C2:C16),2)

The following screenshot shows how to use this formula:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	Team	Position	Points		2nd smallest points on team A among Forwards				
2	A	Guard	3		10				
3	A	Forward	5						
4	A	Guard	5						
5	A	Guard	7						
6	A	Forward	10						
7	A	Forward	13						
8	A	Forward	14						
9	A	Guard	15						
10	B	Forward	19						
11	B	Guard	22						
12	B	Guard	24						
13	B	Forward	25						
14	B	Guard	25						
15	B	Guard	29						
16	B	Forward	31						
17									
18									
19									
20									
21									

The formula bar shows the formula: `=SMALL(IF((A2:A16="A")*(B2:B16="Forward"),C2:C16),2)`

This tells us that the 2nd smallest points value among all Forwards on team A is 10.

Additional Resources

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

ARABPSYCHOLOGY.COM