

Can a wildcard be used in the SUMIFS function in Excel?

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RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=160949>

The SUMIFS function in Excel allows users to calculate the sum of a range of cells that meet specific criteria. A wildcard is a symbol that represents one or more characters and can be used to match patterns in text or numbers. In the context of the SUMIFS function, a wildcard can be used in the criteria argument to specify a pattern that the cells must match. This allows for a more flexible and customizable calculation. However, it is important to note that not all versions of Excel support the use of wildcards in the SUMIFS function. Therefore, it is recommended to check the software's documentation or conduct a test to determine if a wildcard can be used in a specific version of Excel.

Excel: Use Wildcard in SUMIFS Function

You can use the following formulas to perform a SUMIFS function with a wildcard character in Excel:

#Sum values in B2:B10 where cells in A2:A10 contains string

=SUMIFS(B2:B10, A2:A10, "*string*")

#Sum values in B2:B10 where cells in A2:A10 start with string

=SUMIFS(B2:B10, A2:A10, "string*")

#Sum values in B2:B10 where cells in A2:A10 end with string

=SUMIFS(B2:B10, A2:A10, "*string")

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	Points				
2	Mavs	24				
3	Cavs	30				
4	Nets	17				
5	Rockets	21				
6	Hornets	12				
7	Bucks	15				
8	Bulls	34				
9	Warriors	22				
10	Wizards	15				
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Example 1: SUMIFS with Cells that Contain String

We can use the following formula to sum the values in the Points column where the cell in the Team column contains "ets" in the name:

```
=SUMIFS(B2:B10, A2:A10, "*ets*")
```

The following screenshot shows how to use this formula:

	A	B	C	D	E	F	G
1	Team	Points					
2	Mavs	24		50			
3	Cavs	30					
4	Nets	17					
5	Rockets	21					
6	Hornets	12					
7	Bucks	15					
8	Bulls	34					
9	Warriors	22					
10	Wizards	15					
11							
12							
13							
14							
15							
16							
17							
18							
19							

The sum of points for the teams whose name contains "ets" is 50.

We can manually verify that this is correct by taking the sum of points for teams whose name contains "ets":

Teams with "ets" in name: Nets, Rockets, Hornets
Sum of points: $17 + 21 + 12$
Sum of points: 50

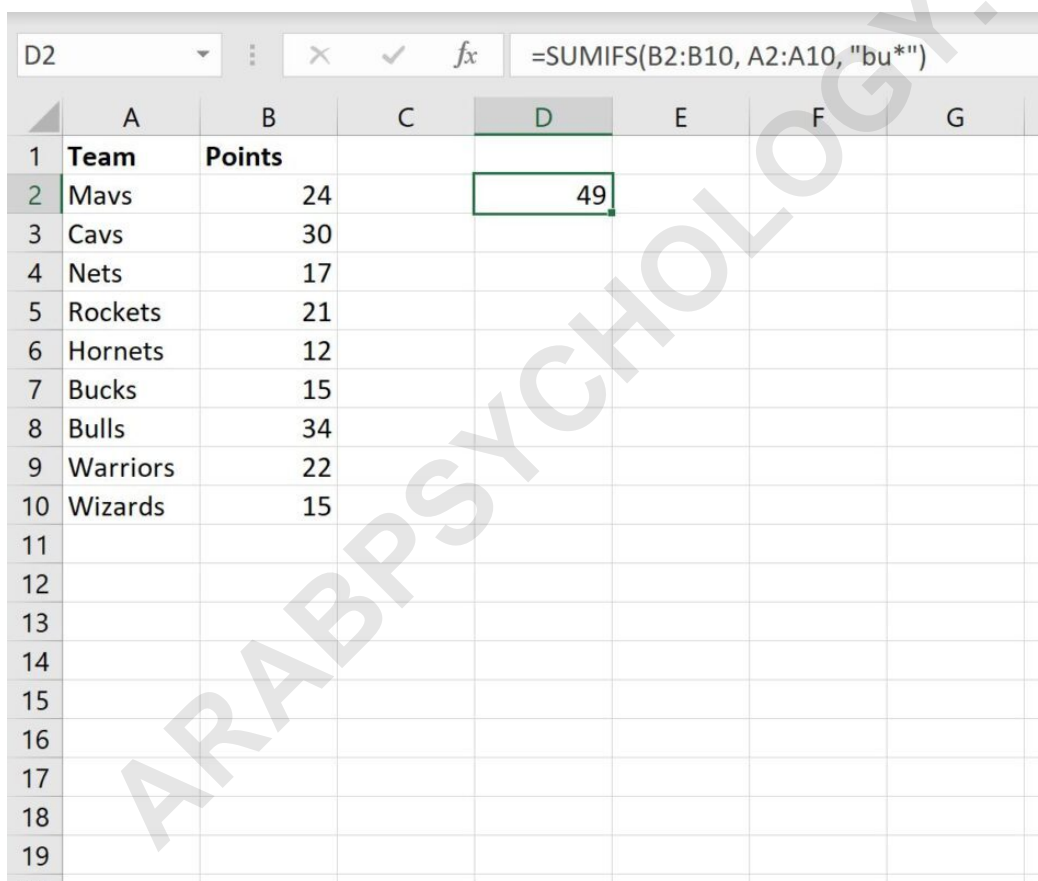
Example 2: SUMIFS with Cells that Start with String

We can use the following formula to sum the values in

the Points column where the cell in the Team column starts with "bu":

=SUMIFS(B2:B10, A2:A10, "bu*")

The following screenshot shows how to use this formula:



	A	B	C	D	E	F	G
1	Team	Points					
2	Mavs	24		49			
3	Cavs	30					
4	Nets	17					
5	Rockets	21					
6	Hornets	12					
7	Bucks	15					
8	Bulls	34					
9	Warriors	22					
10	Wizards	15					
11							
12							
13							
14							
15							
16							
17							
18							
19							

We can manually verify that this is correct by taking the sum of points for teams whose name starts with "bu":

Team names that start with "bu": Bucks, BullsSum of

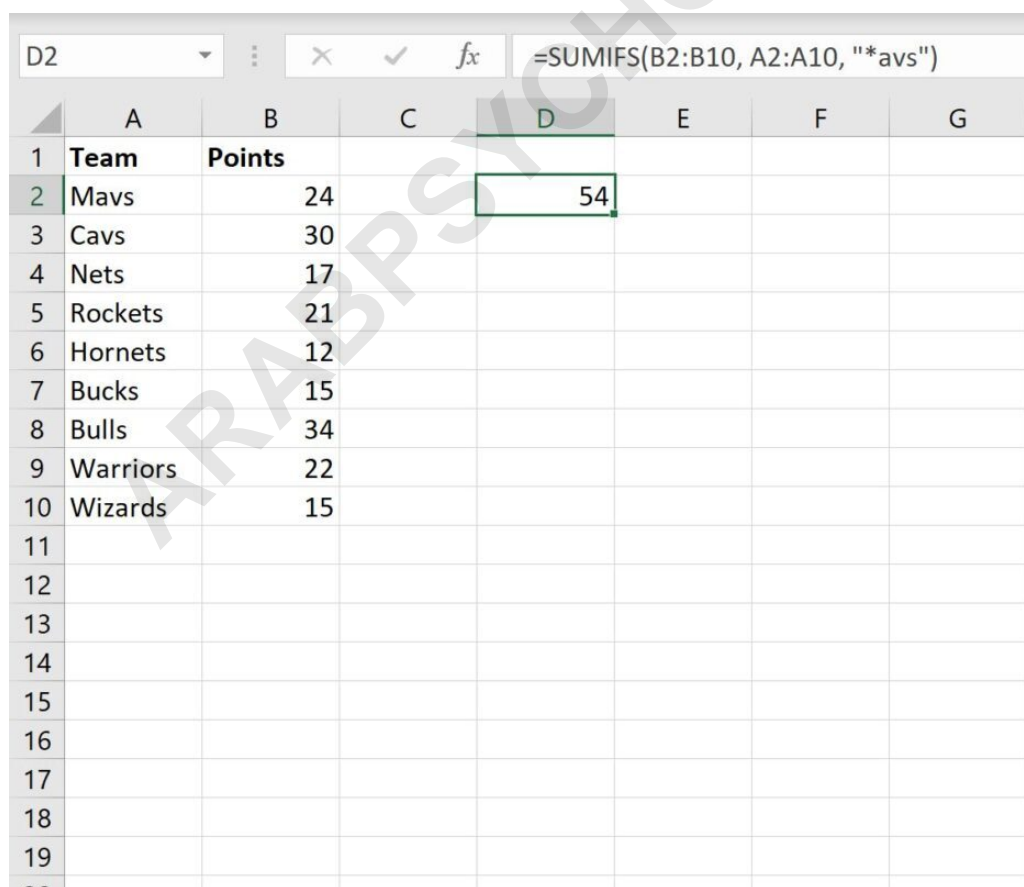
points: 15 + 34Sum of points: **49**

Example 3: SUMIFS with Cells that End with String

We can use the following formula to sum the values in the Points column where the cell in the Team column ends with "avs" in the name:

=SUMIFS(B2:B10, A2:A10, "*avs")

The following screenshot shows how to use this formula:



	A	B	C	D	E	F	G
1	Team	Points					
2	Mavs	24		54			
3	Cavs	30					
4	Nets	17					
5	Rockets	21					
6	Hornets	12					
7	Bucks	15					
8	Bulls	34					
9	Warriors	22					
10	Wizards	15					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

The sum of points for the teams whose name ends with "avs" is 54.

We can manually verify that this is correct by taking the sum of points for teams whose name ends with "avs":

**Team names that end with "avs": Mavs, Cavs
Sum of points: 24 + 30
Sum of points: 54**

Additional Resources

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