

# How do I calculate the sum by group in Excel?

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## RECOMMENDED CITATION

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Calculating the sum by group in Excel refers to the process of finding the total value of a specific set of data that is grouped or categorized together. This can be achieved by using the SUM function in Excel, which allows you to specify a range of cells to be added together. By grouping your data, you can easily calculate the sum for each group, providing valuable insights and analysis. This feature is particularly useful for managing large datasets and organizing information in a meaningful way. With the right techniques, you can efficiently calculate the sum by group in Excel and make more informed decisions based on your data.

## Calculate the Sum by Group in Excel

**You can use the following simple formula to calculate the sum of values by group in an Excel spreadsheet:**

**=SUMIF(group\_range, "group name", sum\_range)**

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

**Example: Sum by Group in Excel**

**Suppose we have the following dataset that shows the total points scored by 15 different basketball players:**

	A	B	C	D	E	F	G
1	Player	Team	Points				
2	Andy	Lakers	14				
3	Bernard	Mavericks	29				
4	Collin	Lakers	34				
5	Doug	Mavericks	18				
6	Eric	Spurs	6				
7	Frank	Hornets	17				
8	Greg	Hornets	15				
9	Harry	Spurs	13				
10	Isaiah	Spurs	17				
11	John	Mavericks	22				
12	Kent	Mavericks	24				
13	Larry	Hornets	18				
14	Michael	Spurs	29				
15	Nate	Lakers	40				
16	Oscar	Spurs	20				
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24							
25							

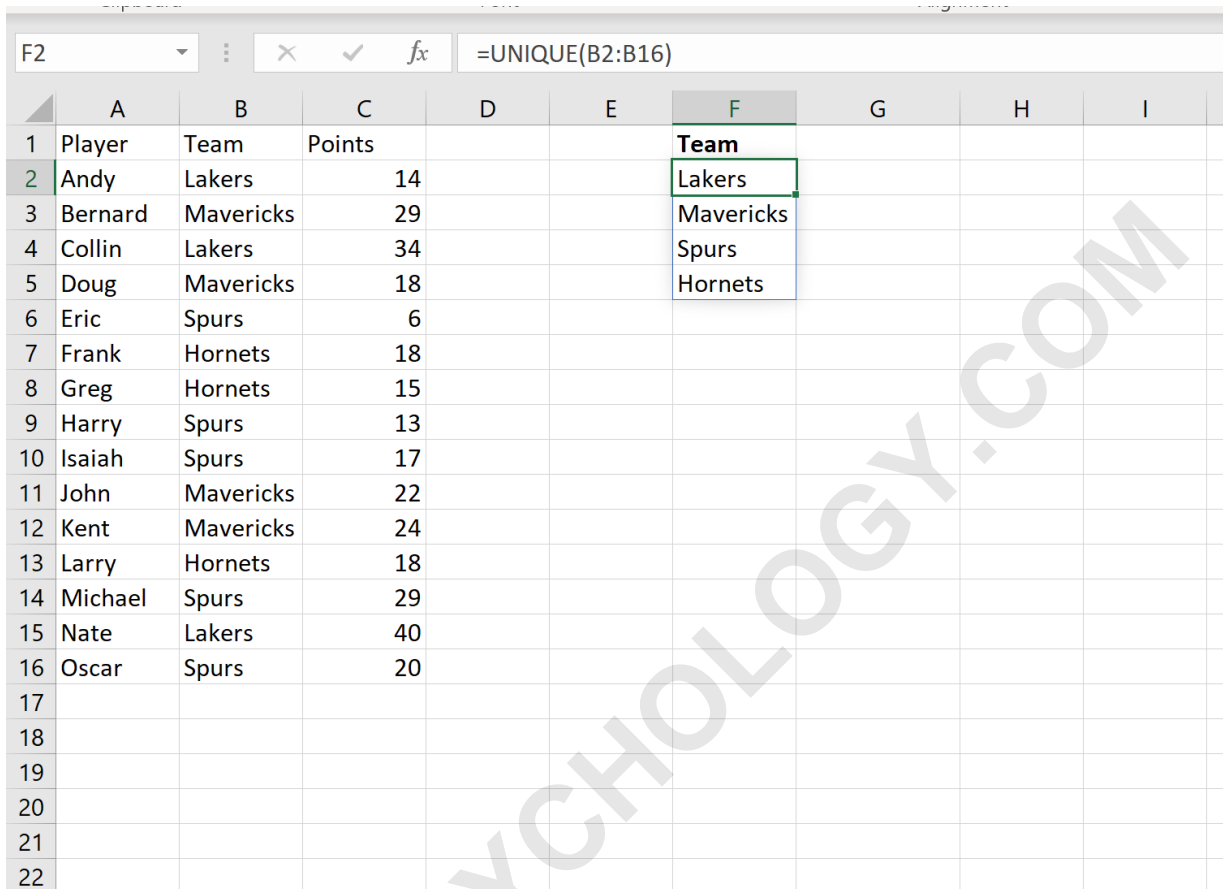
Now suppose we'd like to find the sum of the points scored, grouped by team.

To do so, we can use the `=UNIQUE()` function to first create a list of the unique teams. We'll type the following formula into cell F2:

**`=UNIQUE(B2:B16)`**

Once we press enter, a list of unique team names will

be displayed:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	Player	Team	Points			<b>Team</b>			
2	Andy	Lakers	14			Lakers			
3	Bernard	Mavericks	29			Mavericks			
4	Collin	Lakers	34			Spurs			
5	Doug	Mavericks	18			Hornets			
6	Eric	Spurs	6						
7	Frank	Hornets	18						
8	Greg	Hornets	15						
9	Harry	Spurs	13						
10	Isaiah	Spurs	17						
11	John	Mavericks	22						
12	Kent	Mavericks	24						
13	Larry	Hornets	18						
14	Michael	Spurs	29						
15	Nate	Lakers	40						
16	Oscar	Spurs	20						
17									
18									
19									
20									
21									
22									

The formula bar shows the formula `=UNIQUE(B2:B16)` in cell F2. The dropdown menu in cell F2 is open, showing the following options: Team, Lakers, Mavericks, Spurs, and Hornets.

Next, we can use the `=SUMIF()` function to find the sum of points scored by players on each team.

We'll type in the following formula into cell G2:

**`=SUMIF(B2:B16, F2, C2:C16)`**

	A	B	C	D	E	F	G	H	I
1	Player	Team	Points			Team	Sum of Points		
2	Andy	Lakers	14			Lakers	=SUMIF(B2:B16,F2, C2:C16)		
3	Bernard	Mavericks	29			Mavericks			
4	Collin	Lakers	34			Spurs			
5	Doug	Mavericks	18			Hornets			
6	Eric	Spurs	6						
7	Frank	Hornets	18						
8	Greg	Hornets	15						
9	Harry	Spurs	13						
10	Isaiah	Spurs	17						
11	John	Mavericks	22						
12	Kent	Mavericks	24						
13	Larry	Hornets	18						
14	Michael	Spurs	29						
15	Nate	Lakers	40						
16	Oscar	Spurs	20						
17									
18									
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20									
21									
22									

**We'll then copy and paste this formula into the remaining cells in column G:**

	A	B	C	D	E	F	G	H	I
1	Player	Team	Points			Team	Sum of Points		
2	Andy	Lakers	14			Lakers	88		
3	Bernard	Mavericks	29			Mavericks	93		
4	Collin	Lakers	34			Spurs	85		
5	Doug	Mavericks	18			Hornets	51		
6	Eric	Spurs	6						
7	Frank	Hornets	18						
8	Greg	Hornets	15						
9	Harry	Spurs	13						
10	Isaiah	Spurs	17						
11	John	Mavericks	22						
12	Kent	Mavericks	24						
13	Larry	Hornets	18						
14	Michael	Spurs	29						
15	Nate	Lakers	40						
16	Oscar	Spurs	20						
17									
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22									

**Column F displays each of the unique teams and column G displays the sum of the points scored by each team.**