How can I calculate the sum by year in Google Sheets?

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Calculating the sum by year in Google Sheets is a simple and efficient way to organize and analyze data. To do so, you can use the SUMIF function, which allows you to specify a certain criteria to sum up data from a specific column. First, create a new column next to your data and label it as "Year". Then, use the YEAR function to extract the year from the date column and populate the "Year" column. Next, use the SUMIF function to sum up the data based on the criteria of the year. This will give you the total sum for each year. This method can be useful for tracking annual expenses, sales, or any other data that is organized by date.

Sum by Year in Google Sheets (With Example)

Often you may want to sum the values of a dataset in Google Sheets based on year.

The following step-by-step example shows how to do so.

Step 1: Enter the Data

First, enter the values for a dataset that show the total sales of some product on various dates:

	A	B	C	D
1	**Date**	**Sales**		
2	1/1/2020	12		
3	5/4/2020	15		
4	6/14/2020	7		
5	12/3/2020	8		
6	3/3/2021	8		
7	3/5/2021	4		
8	2/14/2022	9		
9	2/17/2022	14		
10	4/19/2022	17		
11	7/25/2022	20		
12				
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Step 2: Extract the Years from Dates

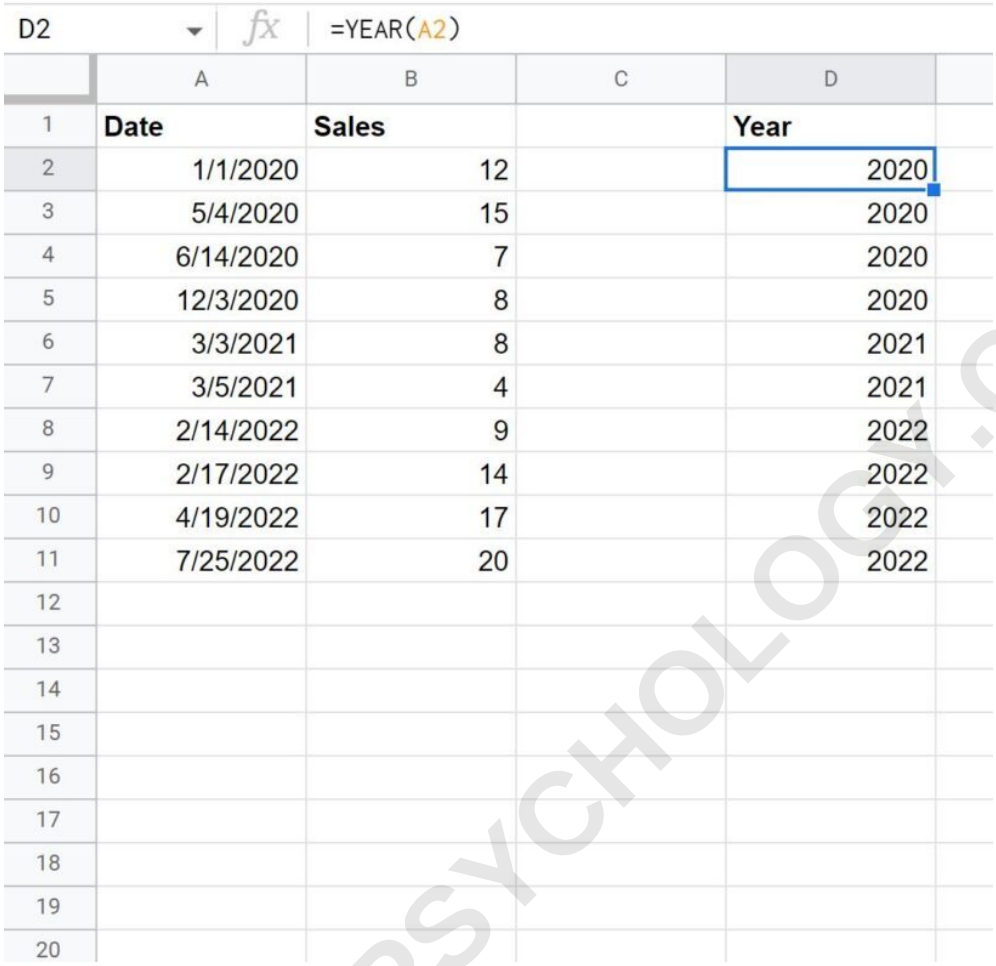
Next, we need to use the =YEAR() function to extract the year from each date.

In our example, we'll type the following formula in cell D2:

=YEAR(A2)

We'll then drag and fill this formula down to every

remaining cell in column D:



	A	B	C	D
1	**Date**	**Sales**		**Year**
2	1/1/2020	12		2020
3	5/4/2020	15		2020
4	6/14/2020	7		2020
5	12/3/2020	8		2020
6	3/3/2021	8		2021
7	3/5/2021	4		2021
8	2/14/2022	9		2022
9	2/17/2022	14		2022
10	4/19/2022	17		2022
11	7/25/2022	20		2022
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Step 3: Find the Unique Years

Next, we need to use the =UNIQUE() function to produce a list of unique years.

In our example, we'll type the following formula in cell F2:

=UNIQUE(D2:D11)

This will produce a list of unique years:

F2 fx =UNIQUE(D2:D11)

	A	B	C	D	E	F
1	Date	Sales		Year		Unique Years
2	1/1/2020	12		2020		2020
3	5/4/2020	15		2020		2021
4	6/14/2020	7		2020		2022
5	12/3/2020	8		2020		
6	3/3/2021	8		2021		
7	3/5/2021	4		2021		
8	2/14/2022	9		2022		
9	2/17/2022	14		2022		
10	4/19/2022	17		2022		
11	7/25/2022	20		2022		
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Step 4: Find the Sum by Year

Next, we will use the SUMIF(range, criterion, sum_range) function to find the sum of the sales made during each year.

In our example, we'll type the following formula in cell G2:

=SUMIF($D$2:$D$11, F2, $B$2:$B$11)

We'll then drag and fill this formula down to the remaining cells in column G:

G2 =SUMIF($D$2:$D$11, F2, $B$2:$B$11)

	A	B	C	D	E	F	G
1	**Date**	**Sales**		**Year**		**Unique Years**	**Total Sales**
2	1/1/2020	12		2020		2020	42
3	5/4/2020	15		2020		2021	12
4	6/14/2020	7		2020		2022	60
5	12/3/2020	8		2020			
6	3/3/2021	8		2021			
7	3/5/2021	4		2021			
8	2/14/2022	9		2022			
9	2/17/2022	14		2022			
10	4/19/2022	17		2022			
11	7/25/2022	20		2022			
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This tells us:

There were 42 total sales made in 2020.There were 12 total sales made in 2021.There were 60 total sales made in 2022.

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