

How can I calculate the sum by year in Excel?

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To calculate the sum by year in Excel, follow these steps:

1. Organize your data in a table with columns for the year and the values you want to sum.
 2. Use the SUMIF function to specify the criteria for the sum, in this case, the year.
 3. Select the range of values you want to sum, and then enter the criteria for the specific year in the formula.
 4. Press Enter to get the sum for that specific year.
 5. Copy the formula down the column to get the sum for each year.
 6. You can also use the PivotTable feature to quickly calculate and display the sum by year.
- Using these methods, you can easily calculate the sum by year in Excel for any set of data.

Sum by Year in Excel (Step-by-Step Example)

Often you may want to sum the values of some dataset in Excel based on year.

For example, suppose we have the following dataset and we'd like to sum the total sales by year:

	A	B	C	D	E	F
1	Date	Sales				
2	1/1/2022	40				
3	6/2/2022	45				
4	8/14/2022	32				
5	1/3/2023	38				
6	7/15/2023	12				
7	8/1/2024	40				
8	10/1/2024	22				
9	11/22/2024	24				
10	6/15/2025	25				
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The following step-by-step example shows how to do so.

Step 1: Enter the Data

First, enter the data values into Excel:

	A	B	C	D	E	F
1	Date	Sales				
2	1/1/2022	40				
3	6/2/2022	45				
4	8/14/2022	32				
5	1/3/2023	38				
6	7/15/2023	12				
7	8/1/2024	40				
8	10/1/2024	22				
9	11/22/2024	24				
10	6/15/2025	25				
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Step 2: Extract the Year 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:

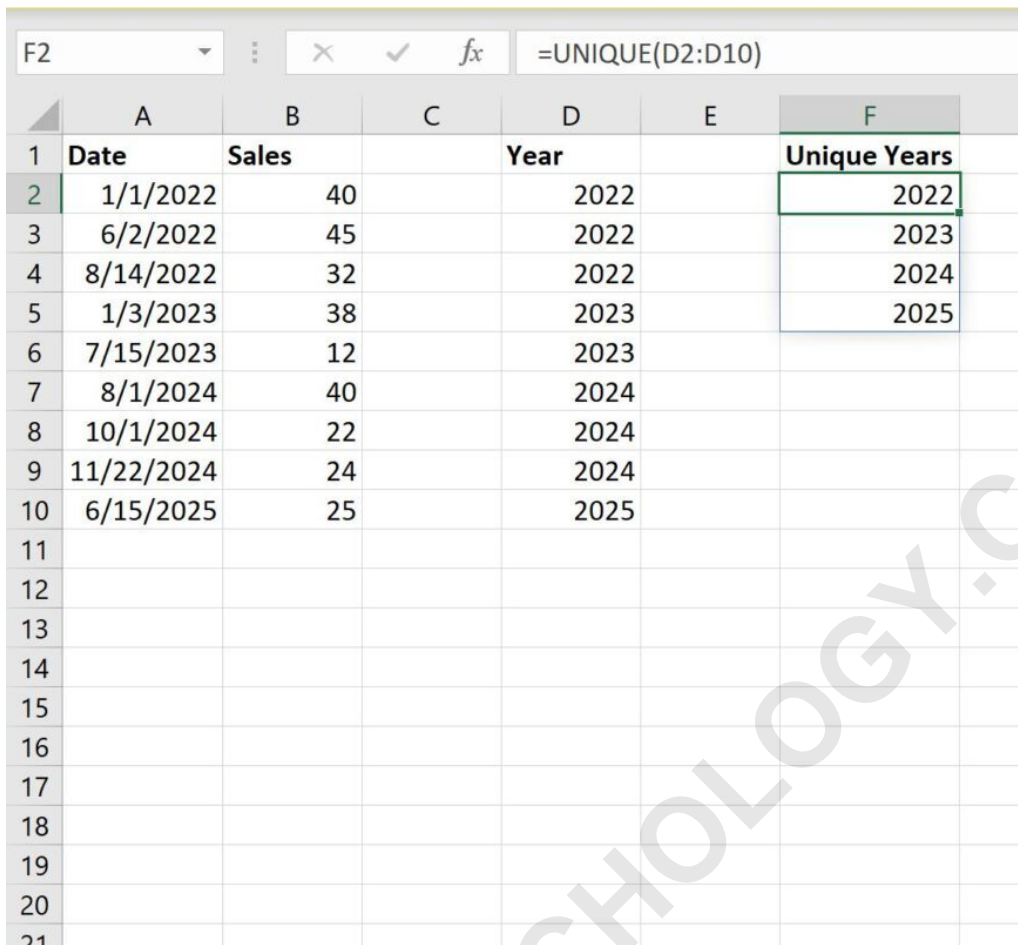
	A	B	C	D	E	F
1	Date	Sales		Year		
2	1/1/2022	40		2022		
3	6/2/2022	45		2022		
4	8/14/2022	32		2022		
5	1/3/2023	38		2023		
6	7/15/2023	12		2023		
7	8/1/2024	40		2024		
8	10/1/2024	22		2024		
9	11/22/2024	24		2024		
10	6/15/2025	25		2025		
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Step 3: Find 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:D10)



	A	B	C	D	E	F
1	Date	Sales		Year		Unique Years
2	1/1/2022	40		2022		2022
3	6/2/2022	45		2022		2023
4	8/14/2022	32		2022		2024
5	1/3/2023	38		2023		2025
6	7/15/2023	12		2023		
7	8/1/2024	40		2024		
8	10/1/2024	22		2024		
9	11/22/2024	24		2024		
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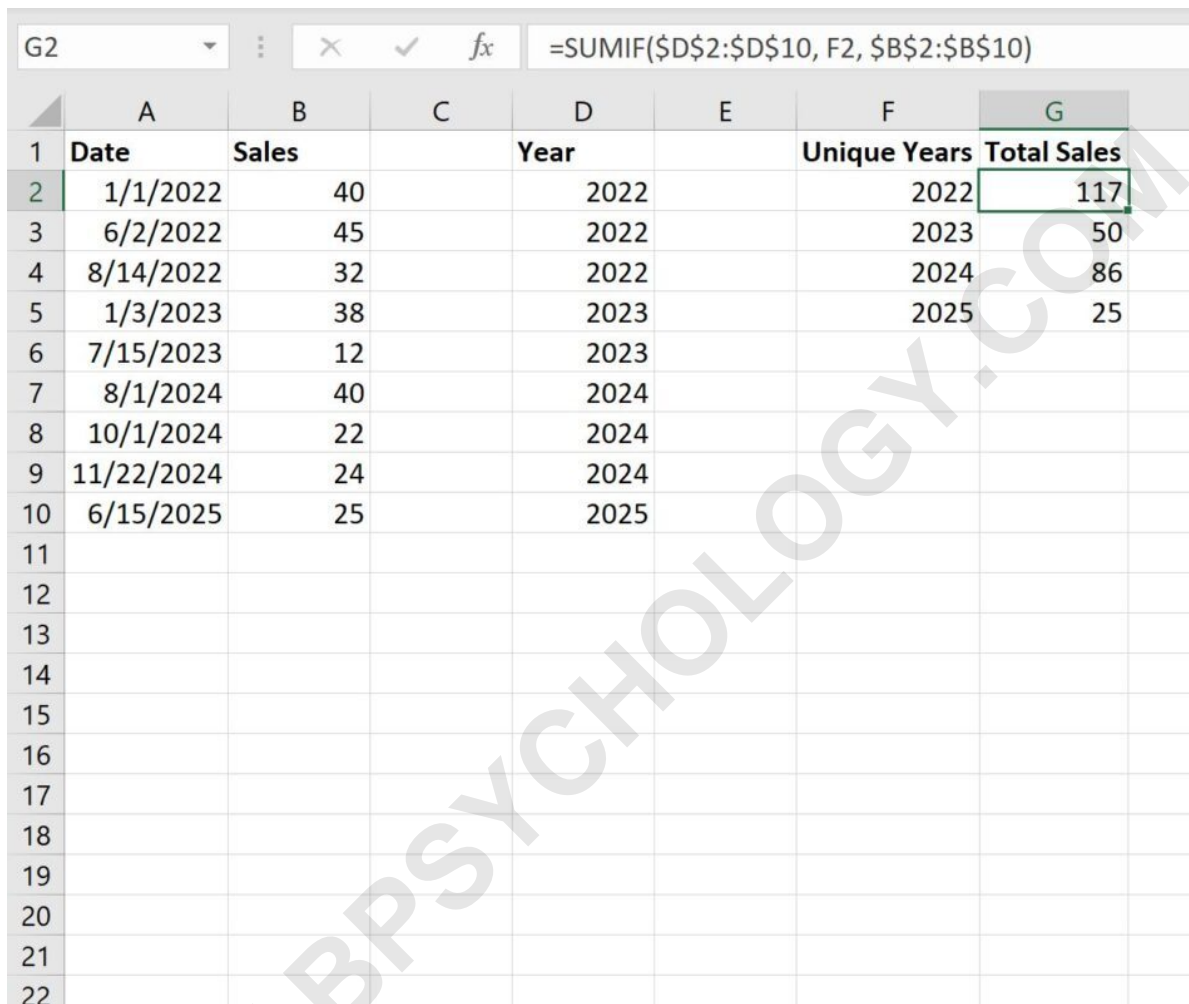
Step 4: Find the Sum by Year

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\$10, F2, \$B\$2:\$B\$10)

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



	A	B	C	D	E	F	G
1	Date	Sales		Year		Unique Years	Total Sales
2	1/1/2022	40		2022		2022	117
3	6/2/2022	45		2022		2023	50
4	8/14/2022	32		2022		2024	86
5	1/3/2023	38		2023		2025	25
6	7/15/2023	12		2023			
7	8/1/2024	40		2024			
8	10/1/2024	22		2024			
9	11/22/2024	24		2024			
10	6/15/2025	25		2025			
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This tells us:

There were 117 total sales made in 2022. There were 50 total sales made in 2023. There were 86 total sales made in 2024. There were 25 total sales made in 2025.

Additional Resources

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

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