How do I find the percentage of two numbers in Excel?

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Finding the percentage of two numbers in Excel is a simple process that involves using the built-in formula function. First, select the cell where you want the percentage to display. Then, type an equal sign (=) followed by the first number, followed by the division symbol (/), and then the second number. Finally, multiply the result by 100 to convert it into a percentage. This will give you the percentage of the two numbers in Excel. Alternatively, you can use the percentage formula (=(number/total)*100) to find the percentage. This feature in Excel is useful for quickly calculating percentages, such as discounts, markups, and growth rates. It is a convenient tool for individuals, businesses, and organizations to analyze and present data in a clear and concise manner.

Find Percentage of Two Numbers in Excel

You can use the following formula to calculate the percentage change between two numbers:

Percentage Change: (New Value - Old Value) / Old Value

In Excel, you can type the following formula:

=(C2-B2)/B2

This particular formula finds the percentage change between the values in cell B2 and C2 in which the new value is in cell C2 and the old value is in cell B2.

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

Example: Find Percentage of Two Numbers in Excel

Suppose we have the following dataset in Excel that shows the points scored in two different years by various basketball players:

	A	B	C	D	E	F
1	**Player**	**Year 1 Points**	**Year 2 Points**			
2	Andy	12	15			
3	Bernard	14	15			
4	Chad	19	22			
5	Derrick	7	16			
6	Eric	12	10			
7	Frank	10	10			
8	George	22	15			
9	Harry	26	25			
10	Isaiah	24	30			
11	John	15	25			
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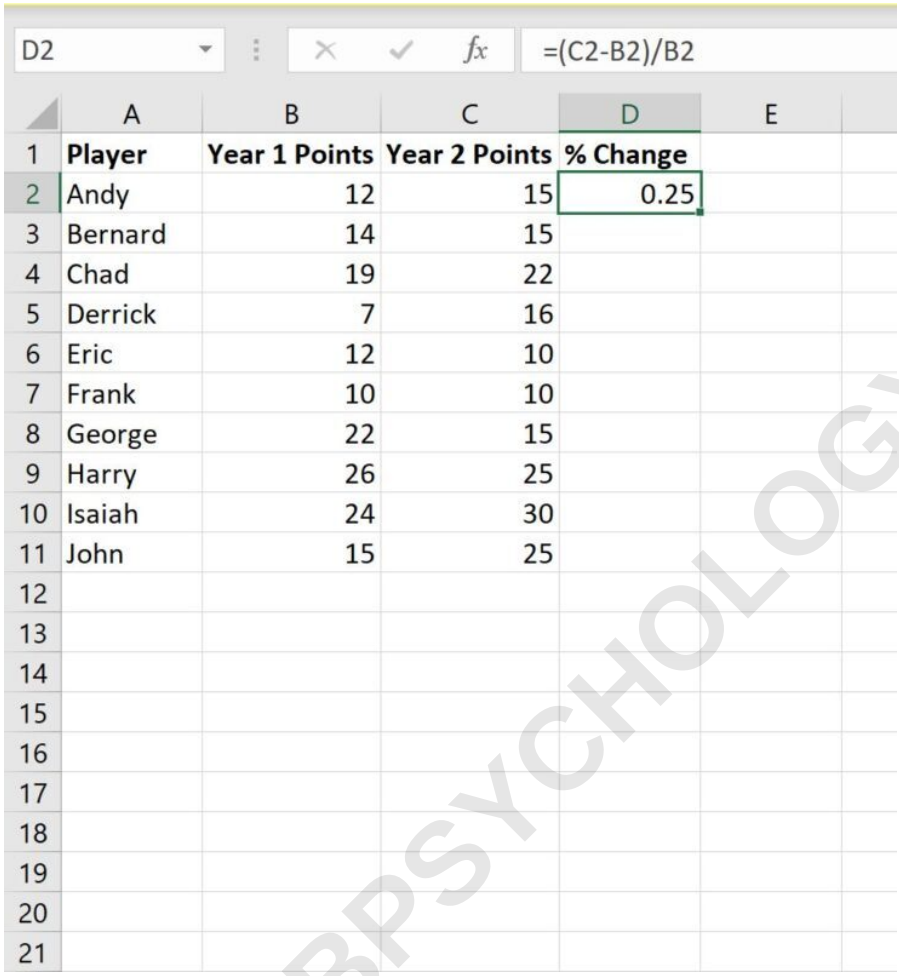
Now suppose we would like to calculate the percentage change between year 1 and year 2 for each player.

To do so, we can type the following formula into cell D2:

=(C2-B2)/B2

Once we press Enter, the percentage change for the first player will be shown:



D2 =(C2-B2)/B2

	A	B	C	D	E
1	**Player**	**Year 1 Points**	**Year 2 Points**	**% Change**	
2	Andy	12	15	0.25	
3	Bernard	14	15		
4	Chad	19	22		
5	Derrick	7	16		
6	Eric	12	10		
7	Frank	10	10		
8	George	22	15		
9	Harry	26	25		
10	Isaiah	24	30		
11	John	15	25		
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A value of 0.25 tells us that the value for points increased by 25% for Andy between year 1 and year 2.

We can manually verify this is correct by calculating the percentage change by hand:

Percentage Change: (New Value - Old Value) / Old

ValuePercentage Change: (15 - 12) / 12Percentage Change: 0.25

	A	B	C	D	E	F
1	**Player**	**Year 1 Points**	**Year 2 Points**	**% Change**		
2	Andy	12	15	0.25		
3	Bernard	14	15	0.071429		
4	Chad	19	22	0.157895		
5	Derrick	7	16	1.285714		
6	Eric	12	10	-0.16667		
7	Frank	10	10	0		
8	George	22	15	-0.31818		
9	Harry	26	25	-0.03846		
10	Isaiah	24	30	0.25		
11	John	15	25	0.666667		
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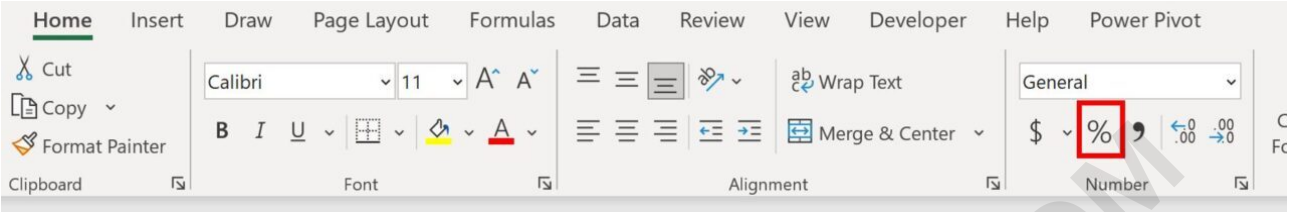
A positive value in the % Change column indicates that the points value increased between the first and second year.

Conversely, a negative value indicates that the points value decreased between the first and second year.

Note that we can also format these values as

percentages by highlighting the cell range D2:D11 and then clicking the % icon on the Home tab:



Each of the percentages will now be displayed as a percentage instead of a decimal:

	A	B	C	D	E	F
1	**Player**	**Year 1 Points**	**Year 2 Points**	**% Change**		
2	Andy	12	15	25%		
3	Bernard	14	15	7%		
4	Chad	19	22	16%		
5	Derrick	7	16	129%		
6	Eric	12	10	-17%		
7	Frank	10	10	0%		
8	George	22	15	-32%		
9	Harry	26	25	-4%		
10	Isaiah	24	30	25%		
11	John	15	25	67%		
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The following tutorials explain how to perform other common tasks in Excel: