How do I apply a percentage increase or decrease in Excel?

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To apply a percentage increase or decrease in Excel, first select the cells that you want to apply the percent change to. Then, go to the "Home" tab and click on the "Number Format" drop-down menu. From there, select "Percentage" and choose the desired percentage format. To increase the values by a certain percentage, enter the percentage increase in a separate cell, and then use the formula "=original value*(1+percentage increase)" in the cell where you want the new value to appear. To decrease the values, use the formula "=original value*(1-percentage decrease)". Press enter and the new values will be calculated with the applied percentage change.

Apply a Percentage Increase or Decrease in Excel

You can use the following basic formulas to apply a percentage increase or percentage decrease to values in Excel:

Method 1: Apply Percentage Increase

=A1*(1+B1)

Method 2: Apply Percentage Decrease

=A1*(1-B1)

In both formulas, cell A1 contains the original value and cell B1 is the percentage that we're increasing or decreasing the original value by.

The following examples show how to use each formula in practice.

Example 1: Apply Percentage Increase to Values

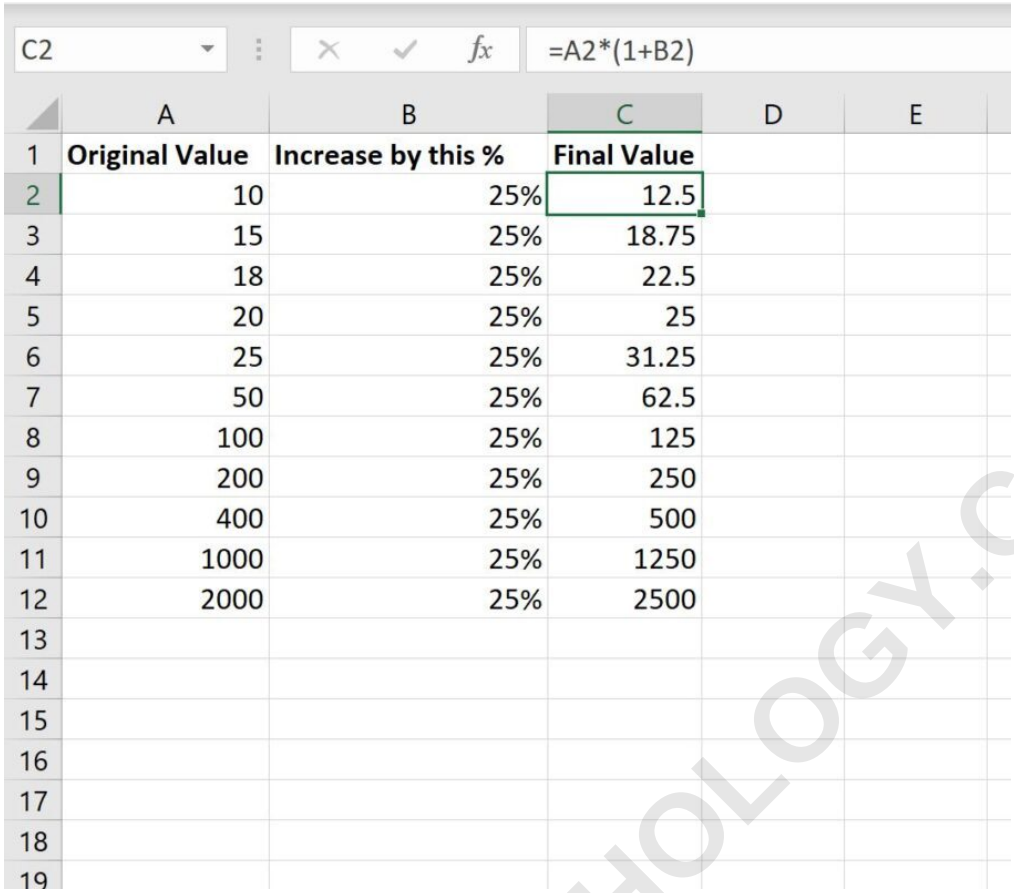
Suppose we have the following list of values in Excel:

	A	B	C	D	E	F
1	**Original Values**					
2	10					
3	15					
4	18					
5	20					
6	25					
7	50					
8	100					
9	200					
10	400					
11	1000					
12	2000					
13						
14						
15						
16						
17						
18						
19						

We can use the following formula in cell C2 to apply a 25% increase to the value in cell A2:

=A2*(1+B2)

The following screenshot shows how to use this formula in practice:



	A	B	C	D	E
1	Original Value	Increase by this %	Final Value		
2	10	25%	12.5		
3	15	25%	18.75		
4	18	25%	22.5		
5	20	25%	25		
6	25	25%	31.25		
7	50	25%	62.5		
8	100	25%	125		
9	200	25%	250		
10	400	25%	500		
11	1000	25%	1250		
12	2000	25%	2500		
13					
14					
15					
16					
17					
18					
19					

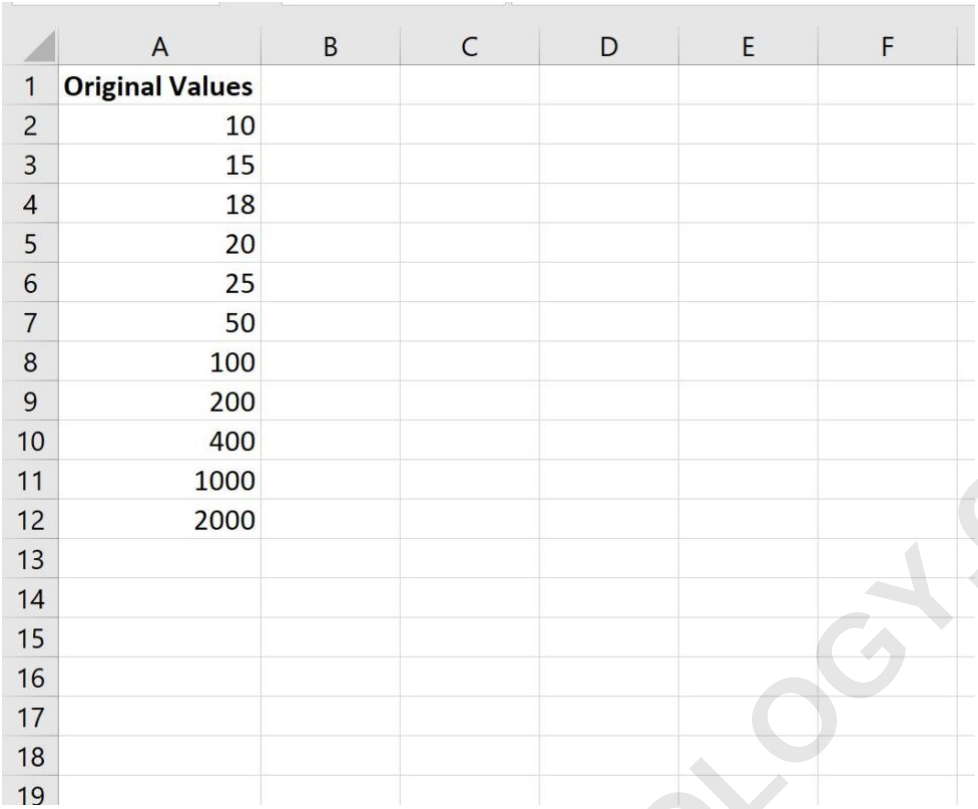
Each value in column A has been increased by 25%.

For example:

10 has been increased by 25% to 12.5.15 has been increased by 25% to 18.75.18 has been increased by 25% to 22.5.20 has been increased by 25% to 25.

Example 2: Apply Percentage Decrease to Values

Once again suppose we have the following list of values in Excel:

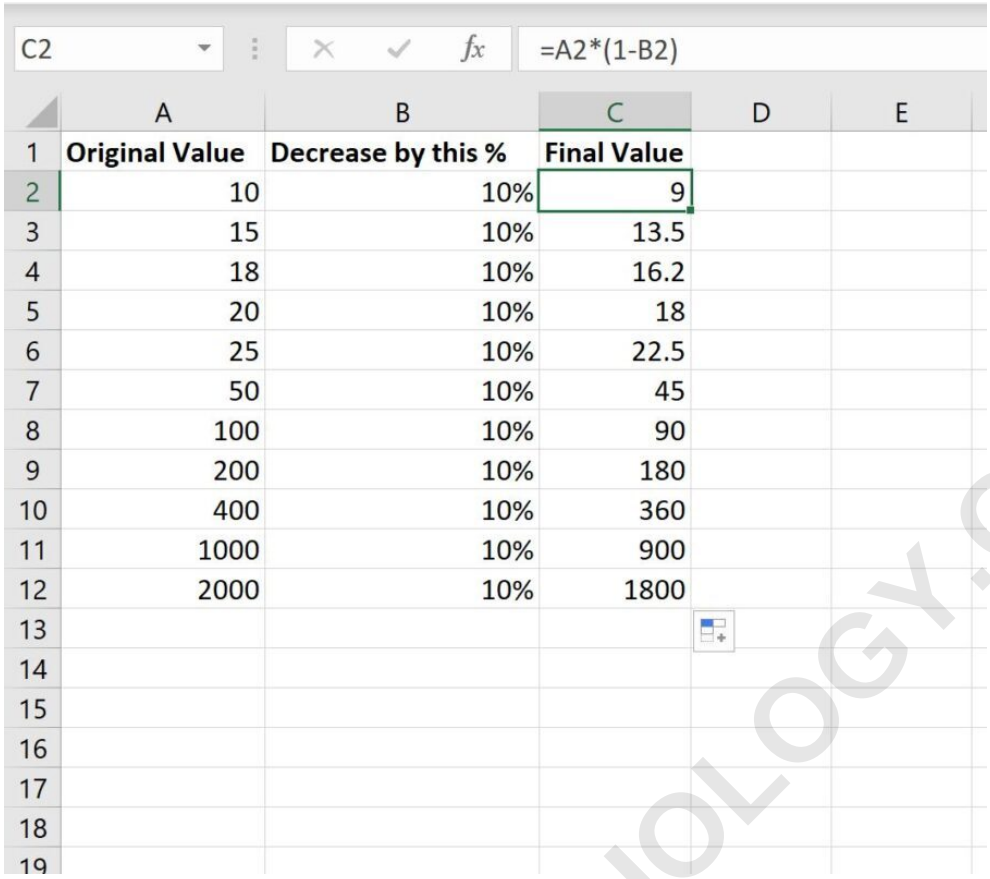


	A	B	C	D	E	F
1	**Original Values**					
2	10					
3	15					
4	18					
5	20					
6	25					
7	50					
8	100					
9	200					
10	400					
11	1000					
12	2000					
13						
14						
15						
16						
17						
18						
19						

We can use the following formula in cell C2 to apply a 10% decrease to the value in cell A2:

=A2*(1-B2)

The following screenshot shows how to use this formula in practice:



C2 =A2*(1-B2)

	A	B	C	D	E
1	Original Value	Decrease by this %	Final Value		
2	10	10%	9		
3	15	10%	13.5		
4	18	10%	16.2		
5	20	10%	18		
6	25	10%	22.5		
7	50	10%	45		
8	100	10%	90		
9	200	10%	180		
10	400	10%	360		
11	1000	10%	900		
12	2000	10%	1800		
13					
14					
15					
16					
17					
18					
19					

Each value in column A has been decreased by 10%.

For example:

10 has been decreased by 10% to 9.15 has been decreased by 10% to 13.5.18 has been decreased by 10% to 16.2.20 has been decreased by 10% to 18.

And so on.

Additional Resources

The following tutorials explain how to perform other

common tasks in Excel: