# Excel: Count Number of “Yes” and “No” Values in Range

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You can use the following formulas to count the number of "Yes" and "No" values in a particular range in Excel:

**Formula 1: Count Number of "Yes" Values**

**=COUNTIF(B2:B21, "Yes")**

**Formula 2: Count Number of "No" Values**

**=COUNTIF(B2:B21, "No")**

**Method 3: Count Percentage of "Yes" Values**

**=COUNTIF(B2:B21, "Yes")/COUNTA(B2:B21)**

**Method 4: Count Percentage of "No" Values**

**=COUNTIF(B2:B21, "No")/COUNTA(B2:B21)**

The following example shows how to use each formula in practice with the following dataset in Excel that shows whether or not various students passed a particular course:

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | **Student** | **Passed Course?** | | | |
| 2 | Andy | Yes | | | |
| 3 | Bob | No | | | |
| 4 | Chad | Yes | | | |
| 5 | Doug | Yes | | | |
| 6 | Eric | Yes | | | |
| 7 | Frank | No | | | |
| 8 | Greg | No | | | |
| 9 | Henry | Yes | | | |
| 10 | Isaac | No | | | |
| 11 | John | Yes | | | |
| 12 | Kendall | No | | | |
| 13 | Luke | No | | | |
| 14 | Mike | No | | | |
| 15 | Ned | Yes | | | |
| 16 | Oscar | No | | | |
| 17 | Penny | Yes | | | |
| 18 | Quincy | Yes | | | |
| 19 | Rick | No | | | |
| 20 | Steve | No | | | |
| 21 | Tyler | No | | | |
| 22 | | | | | |



## Example: How to Count "Yes" and "No" Values in Excel

We can type the following formulas in the following cells to count the number of "Yes" and "No" values in the range **B2:B21**:

**E1**: =COUNTIF(B2:B21, "Yes")
**E2**: =COUNTIF(B2:B21, "No")
**E3**: =COUNTIF(B2:B21, "Yes")/COUNTA(B2:B21)
**E4**: =COUNTIF(B2:B21, "No")/COUNTA(B2:B21)

The following screenshot shows how to use these formulas in practice:

| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Student** | **Passed Course?** | | **Count of "Yes"** | 9 | =COUNTIF(B2:B21, "Yes") | | | |
| 2 | Andy | Yes | | **Count of "No"** | 11 | =COUNTIF(B2:B21, "No") | | | |
| 3 | Bob | No | | **Percent of "Yes"** | 0.45 | =COUNTIF(B2:B21, "Yes")/COUNTA(B2:B21) | | | |
| 4 | Chad | Yes | | **Percent of "No"** | 0.55 | =COUNTIF(B2:B21, "No")/COUNTA(B2:B21) | | | |
| 5 | Doug | Yes | | | | | | | |
| 6 | Eric | Yes | | | | | | | |
| 7 | Frank | No | | | | | | | |
| 8 | Greg | No | | | | | | | |
| 9 | Henry | Yes | | | | | | | |
| 10 | Isaac | No | | | | | | | |
| 11 | John | Yes | | | | | | | |
| 12 | Kendall | No | | | | | | | |
| 13 | Luke | No | | | | | | | |
| 14 | Mike | No | | | | | | | |
| 15 | Ned | Yes | | | | | | | |
| 16 | Oscar | No | | | | | | | |
| 17 | Penny | Yes | | | | | | | |
| 18 | Quincy | Yes | | | | | | | |
| 19 | Rick | No | | | | | | | |
| 20 | Steve | No | | | | | | | |
| 21 | Tyler | No | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |



From the output we can see:

There were **9** total "Yes" values in column B.
There were **11** total "No" values in column B.
A total of **45%** of cells were equal to "Yes" in column B.
A total of **55%** of cells were equal to "No" in column B.

Note that the **COUNTA** function counts the number of cells in a range that are not empty.

By dividing the result of the **COUNTIF** function by the **COUNTA** function, we're able to calculate the percentage of total values that are equal to either "Yes" or "No" in column B.