

# How can I use the AND function in Google Sheets?

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## RECOMMENDED CITATION

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The AND function in Google Sheets is a logical function that allows users to check if multiple conditions are met within a single cell. This function returns a TRUE value if all conditions are met, and a FALSE value if any of the conditions are not met. To use the AND function, simply enter the conditions that need to be evaluated inside the parentheses, separated by commas. This can be useful for creating complex formulas and filtering data based on multiple criteria. Additionally, the AND function can be combined with other functions to further enhance its functionality. Overall, the AND function is a valuable tool for performing logical operations in Google Sheets.

## AND function

The AND function returns true if all of the provided arguments are logically true, and false if any of the provided arguments are logically false.

### Sample Usage

```
AND(A2 = "foo", A3 = "bar")
```

```
AND(TRUE, FALSE, TRUE)
```

```
AND(A1:A10, B1:B10)
```

```
AND(0, 1, 2, 3)
```

### Syntax

```
AND(logical_expression1, )
```

`logical_expression1` - An expression or reference to a cell containing an expression that represents some logical value, i.e. TRUE or FALSE, or an expression that can be coerced to a logical value.

`logical_expression2, ...` - Additional expressions or references to cells containing expressions representing some logical values, i.e. TRUE or FALSE, or expressions that can be coerced to logical values.

### Notes

The number 0 is logically false; all other numbers (including negative numbers) are logically true.

### See Also

**OR:** The OR function returns true if any of the provided arguments are logically true, and false if all

of the provided arguments are logically false.

**NOT:** Returns the opposite of a logical value - `NOT(TRUE)` returns `FALSE`; `NOT(FALSE)` returns `TRUE`.

## Examples

Returns **TRUE** if all arguments are **TRUE**, returns **FALSE** if any element is **FALSE**, accepts both `logical_value` and range parameter.

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