

How to Easily Combine Text in Google Sheets with Spaces Using CONCATENATE

Authored by
stats writer

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The Power of CONCATENATE for Data Structuring in Google Sheets

The CONCATENATE function in Google Sheets is an indispensable tool designed for efficiently merging textual content from several distinct sources--typically different cells--into one unified output string. This capability is crucial in many data preparation tasks, such as combining first and last names, merging address components, or, as demonstrated here, fusing identifying labels like city and team names. By consolidating these scattered pieces of information, users can create cleaner datasets suitable for reporting, analysis, or presentation.

While the utility of the function is straightforward--it simply joins everything in the order specified--a common challenge arises when the resulting output lacks proper spacing. Unlike human language where spacing is implicit, spreadsheet functions treat every argument literally. If you instruct CONCATENATE to join two cells, it will place the content of the second cell immediately adjacent to the first, creating an unreadable mash-up (e.g., "NewYorkKnicks"). To generate a clean, readable result (e.g., "New York Knicks"), we must explicitly define the space as an argument within the formula's syntax.

Mastering this simple inclusion of whitespace is the key to unlocking the function's full potential. The required technique involves specifying the space as a literal text string, enclosed within double quotation marks: " ". This literal string then acts as a delimiter, separating the components you are merging. This methodology not only applies to spaces but can also be used to insert any desired punctuation, such as commas, hyphens, or custom text labels, ensuring the final output conforms exactly to the required data format.

Understanding the Required Syntax for Space Delimitation

To successfully combine multiple text components using CONCATENATE while ensuring proper separation, the formula must follow a precise sequence of arguments. Each piece of data--whether it is a reference to a cell or a static text string--must be separated by a comma. When integrating a space, the space itself must occupy its own argument slot, distinct from the cell references.

The fundamental syntax for combining two cells, A2 and B2, with a single space requires three distinct arguments enclosed within the function parentheses, separated by commas. The first argument is the first reference (A2), the second argument is the space delimiter (" "), and the third argument is the second reference (B2). It is crucial to remember that all literal text, including spaces, must be enclosed in double quotes for Google Sheets to recognize it as a static string rather than a mathematical operation or a cell reference.

You can use the following basic syntax to concatenate strings with a space in Google Sheets:

=CONCATENATE(A2, " ", B2)

This formula structure is scalable. If you needed to combine three or four separate cells, you would simply repeat the pattern: `=CONCATENATE(Cell1, " ", Cell2, " ", Cell3, " ", Cell4)`. This iterative application ensures that appropriate spacing is maintained consistently across all merged components, regardless of the complexity of the data structure you are building.

This particular formula will concatenate the textual strings located in cells **A2** and **B2** with a space explicitly inserted between the strings. This separation is vital for both visual clarity and subsequent data processing.

Step-by-Step Example: Combining Descriptive Data

To illustrate the practical application of the space delimiter, consider a common scenario in data preparation where descriptive data needs to be combined into a single, identifying label. Suppose we have a dataset in Google Sheets that contains the city location and the corresponding team name for various basketball franchises. Our goal is to create a full identifier in a third column that clearly displays both the city and the team, separated by a space.

The initial dataset is structured such that column A holds the city name (e.g., "Los Angeles") and column B holds the team name (e.g., "Lakers"). If we attempt to join these components without explicitly adding the space, the resulting output will be functionally correct but visually confusing, making the data difficult to read and verify quickly. Proper formatting is therefore essential to maintain high data quality standards.

Review the following visual representation of the raw input data. Column A contains the first part of our identifying label, and Column B contains the second part. We aim to populate Column C with the fully merged name.

	A	B	C	D
1	City	Name		
2	Atlanta	Hawks		
3	Boston	Celtics		
4	Charlotte	Hornets		
5	Cleveland	Cavaliers		
6	Dallas	Mavericks		
7	Detroit	Pistons		
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This dataset setup provides the perfect opportunity to demonstrate both the pitfalls of omitting the space delimiter and the efficacy of using the correct [syntax](#) with the [CONCATENATE](#) function.

Demonstrating the Default Behavior (Concatenation Without Space)

Before implementing the solution, it is helpful to observe the default behavior of the [CONCATENATE](#) function when no explicit delimiter is included. When only cell references are provided as arguments, [Google Sheets](#) assumes you want the contents of those [cells](#) pushed together without any intervening characters. This behavior is intentional, as the function needs to be flexible enough to handle scenarios where text should be tightly joined (e.g., combining components of a unique alphanumeric code).

If we use the following simplified **CONCATENATE** function to combine the city name in cell **A2** and the team name in cell **B2**, the result demonstrates this default lack of spacing:

=CONCATENATE(A2, B2)

Applying this formula to our dataset yields combined strings such as "LosAngelesLakers" and

"HoustonRockets." While technically merged, the resultant text string loses its semantic clarity, making rapid parsing difficult for a human reader. This result underscores why the inclusion of a delimiter is almost always necessary when joining descriptive text elements.

C2		<i>fx</i>	=CONCATENATE(A2, B2)	
	A	B	C	D
1	City	Name	City & Team Name	
2	Atlanta	Hawks	AtlantaHawks	
3	Boston	Celtics	BostonCeltics	
4	Charlotte	Hornets	CharlotteHornets	
5	Cleveland	Cavaliers	ClevelandCavaliers	
6	Dallas	Mavericks	DallasMavericks	
7	Detroit	Pistons	DetroitPistons	
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Implementing the Space Delimiter for Optimal Clarity

To correct the formatting issue and ensure the resultant data is both accurate and accessible, we must intentionally insert the space delimiter. As established, this is done by adding " " as an independent argument between the two cell references. This technique explicitly tells Google Sheets to treat the quotation marks and the space they contain as a necessary component of the final merged string.

The revised formula requires three comma-separated arguments: the first cell reference, the literal space, and the second cell reference. This insertion transforms the data from an awkward run-on into a properly formatted label. Understanding this principle is fundamental to advanced data formatting using any concatenation method in spreadsheet software.

To concatenate with a space, we must explicitly use the literal space argument:

=CONCATENATE(A2, " ", B2)

Once this corrected formula is entered into the first row of the output column (C2) and subsequently dragged down, the results are immediately improved. The output now correctly displays "Los Angeles Lakers" and "Houston Rockets," providing a clear and professional presentation of the combined data fields.

C2			=CONCATENATE(A2, " ", B2)		
	A	B	C	D	
1	City	Name	City & Team Name		
2	Atlanta	Hawks	Atlanta Hawks		
3	Boston	Celtics	Boston Celtics		
4	Charlotte	Hornets	Charlotte Hornets		
5	Cleveland	Cavaliers	Cleveland Cavaliers		
6	Dallas	Mavericks	Dallas Mavericks		
7	Detroit	Pistons	Detroit Pistons		
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Notice that the city and team names have been concatenated with a space, achieving the desired format and enhancing the overall readability of the merged data column. This successful operation confirms the necessity of including " " as a separator argument.

Advanced Usage: Incorporating Custom Text and Variables

The flexibility of the CONCATENATE function extends far beyond merely inserting spaces. Users have the ability to embed any custom text, punctuation, or descriptive labels at any point within the final merged string. This feature is particularly useful when generating structured identifiers or when prefixing data with explanatory text, such as labeling a result with "Team Name: " or suffixing it with " (USA)."

To add custom text, the principle remains the same: the text must be treated as a literal string

argument enclosed in double quotes. This custom string is then placed at the desired location within the formula's sequence of arguments. If the custom text itself requires a space immediately following it, the space must be included within the quotation marks of the custom text argument.

For example, if we wish to include the prefix "Team: " before the city name and still maintain the space between the city and team, the formula will expand to include four distinct components:

The literal prefix string ("Team: ").

The city name reference (A2).

The required space delimiter (" ").

The team name reference (B2).

For example, we can include "Team: " in the **CONCATENATE** function:

=CONCATENATE("Team: ", A2, " ", B2)

C2		fx	=CONCATENATE("Team: ", A2, " ", B2)		
	A	B	C	D	
1	City	Name	City & Team Name		
2	Atlanta	Hawks	Team: Atlanta Hawks		
3	Boston	Celtics	Team: Boston Celtics		
4	Charlotte	Hornets	Team: Charlotte Hornets		
5	Cleveland	Cavaliers	Team: Cleveland Cavaliers		
6	Dallas	Mavericks	Team: Dallas Mavericks		
7	Detroit	Pistons	Team: Detroit Pistons		
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The resulting output in cell C2 will now read: "Team: Los Angeles Lakers." This level of control allows for highly customized data outputs that are ready for immediate use in reports or

subsequent database imports.

Alternative Method: Utilizing the Ampersand Operator (&)

While the CONCATENATE function provides clear structure through its function-based syntax, Google Sheets also offers a powerful and often more concise alternative: the ampersand operator (&). The ampersand serves as a direct joining operator between arguments, achieving the exact same result as the CONCATENATE function but often simplifying the formula structure, especially when dealing with complex joins.

To combine the contents of cells A2 and B2 with a space using the ampersand, the formula becomes: =A2 & " " & B2. Notice that the components are still separated by the space string (" "), but the ampersands replace the commas and the need for the function name itself. This method is preferred by many spreadsheet experts for its brevity and ease of typing.

The key steps for using the ampersand operator include:

Specify the first cell reference (e.g., **A2**).

Add the ampersand operator (&).

Insert the literal space string (" ").

Add another ampersand operator (&).

Specify the next cell reference (e.g., **B2**).

Both CONCATENATE and the ampersand operator are fully valid methods for text joining in Google Sheets. While CONCATENATE might be easier for beginners to read due to its explicit function structure, the ampersand offers speed and reduced formula length for experienced users. Choosing between the two often comes down to personal preference or the complexity of the specific task at hand.

Conclusion: Best Practices for String Manipulation

The ability to effectively join data from multiple sources is a core requirement for robust data management in Google Sheets. Whether utilizing the formal CONCATENATE function or the concise ampersand operator, the critical takeaway remains the same: any desired delimiter, particularly the necessary space, must be explicitly inserted as a literal string argument (" ") to maintain data readability and integrity.

Feel free to include as many strings and as many variables--whether they are cell references or custom text--as you desire in the **CONCATENATE** function. Each element must be separated by a comma, allowing for complex data assembly. By adhering to the proper syntax for including delimiters, you ensure that your merged data is always clean, understandable, and ready for

advanced analysis or reporting.

For optimal results when manipulating strings:

Always enclose static text or delimiters (like spaces, commas, or parentheses) in double quotes.

Ensure every argument, whether a cell reference or a literal string, is separated by a comma within the CONCATENATE function.

Consider using the ampersand operator (&) for shorter, simpler joins.

Test your formula on a small subset of data first to confirm the output format is correct before applying it to the entire dataset.

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