

How can I convert time duration to seconds in Google Sheets?

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To convert time duration to seconds in Google Sheets, you can use the built-in function "TIMEVALUE" followed by the HOUR", "MINUTE", and "SECOND" functions. This will allow you to convert a time duration, expressed in hours, minutes, and seconds, into a total number of seconds. This process can be done by simply typing the desired time duration into a cell and applying the necessary functions to convert it into seconds. This feature in Google Sheets is useful for various calculations and data analysis that require time durations to be expressed in seconds.

Google Sheets: Convert Time Duration to Seconds

You can use the following formula to convert a time duration to seconds in Google Sheets:

```
=VALUE(B2*24*3600)
```

This particular formula converts the time duration in cell B2 to seconds.

For example, if the time is 10:14:22 then the formula will convert this to 36862 so that the time is represented as 36,862 seconds.

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

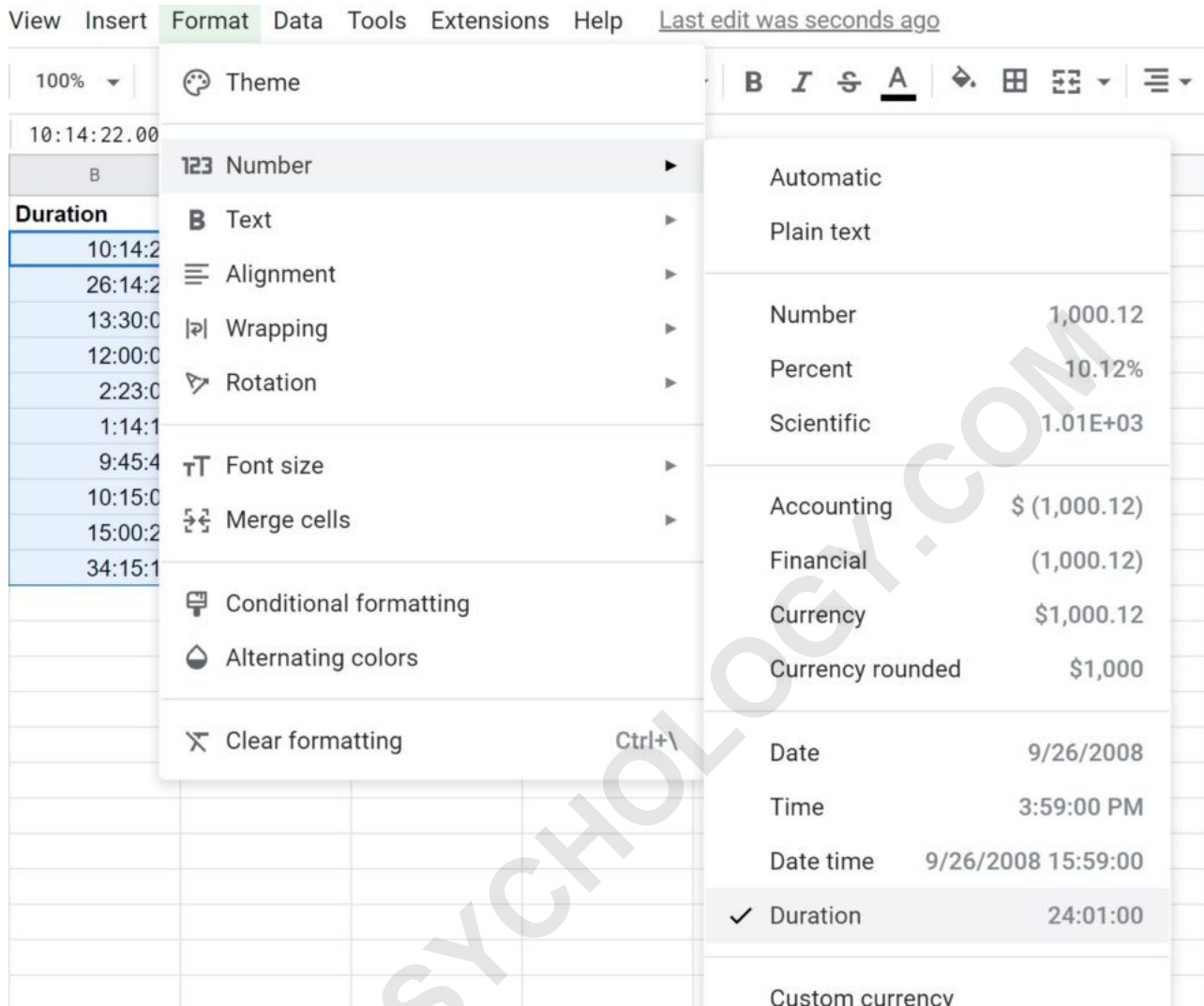
Example: Convert Time to Seconds in Google Sheets

Suppose we have the following dataset in Google Sheets that shows the number of hours, minutes, and

seconds it took various athletes to finish a competition:

	A	B	C	D
1	Athlete	Duration		
2	Andy	10:14:22		
3	Bob	26:14:22		
4	Chad	13:30:00		
5	Doug	12:00:00		
6	Eric	2:23:09		
7	Frank	1:14:15		
8	George	9:45:40		
9	Henry	10:15:00		
10	Isaiah	15:00:24		
11	John	34:15:19		
12				
13				
14				
15				
16				
17				
18				
19				
20				

We can ensure that the values in the Duration column are formatted as durations by highlighting the range B2:B11, then clicking the Format tab, then clicking Number, then clicking Duration:



We can then use the following formula to convert the durations into seconds:

`=VALUE(B2*24*3600)`

We will type this formula into cell C2 and then click and drag the formula down to each remaining cell in column C:

C2 fx =VALUE(B2*24*3600)

	A	B	C	D
1	Athlete	Duration	Seconds	
2	Andy	10:14:22	36862	
3	Bob	26:14:22	94462	
4	Chad	13:30:00	48600	
5	Doug	12:00:00	43200	
6	Eric	2:23:09	8589	
7	Frank	1:14:15	4455	
8	George	9:45:40	35140	
9	Henry	10:15:00	36900	
10	Isaiah	15:00:24	54024	
11	John	34:15:19	123319	
12				
13				
14				
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16				
17				
18				
19				

The new Seconds column displays the time in the Duration column as seconds.

For example:

A duration of 10 hours, 14 minutes, and 22 seconds is converted to 36,862 seconds. A duration of 26 hours, 14 minutes, and 22 seconds is converted to 94,462 seconds. A duration of 13 hours, 30 minutes, and 0 seconds is converted to 48,600 seconds.

And so on.

Note: This formula works because durations are stored as number of days in Google Sheets.

Thus, multiplying by 24 hours in a day and then by 3,600 seconds in an hour allows us to convert time durations to seconds.

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