

How do I convert time to seconds using Excel?

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Converting time to seconds in Excel can be easily done using the TIME function. This function allows you to enter a specific time in the format of hour, minute, and second, and then convert it into the equivalent value in seconds. Simply enter the desired time in the formula bar, and then select the cell where you want the conversion result to appear. This will automatically convert the time into seconds, which can be useful for various calculations and data analysis tasks. By utilizing the TIME function in Excel, converting time to seconds becomes a quick and efficient process.

How to Convert Time to Seconds using Excel

Learn how to convert time to Seconds using Excel.

Time can be converted into seconds using Excel.

The number 86400 can be used to convert time to seconds.

F1						
	A	B	C	D	E	F
1	Time	Seconds	Note		Conversion number	86400
2	0:01	60	One minute			
3	0:10	600	Ten minutes			
4	1:00	3600	One hour			
5	5:00	18000	Five hours			
6	10:00	36000	Ten hours			
7	15:00	54000	Fifteen hours			
8	20:00	72000	Eighteen hours			
9	22:00	79200	Twenty hours			
10	0:00	86400	Twenty four hours			
11						

86400 Explained

Excel uses a 24-hour system.

Each **day** has **24 hours**.

One **hour** is **60 minutes**.

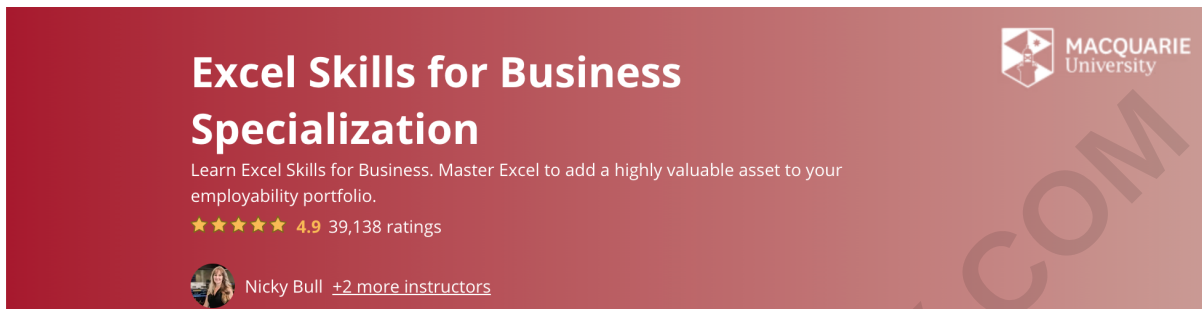
One **minute** is **60 seconds**.

$$24(\text{hours}) * 60(\text{minutes}) * 60 (\text{seconds}) = 86400$$

Example

$00:01 * 86400 = 60$

The example returns 60 because one minute (00:01) is 60 seconds.



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Explanation

Each day has 24 hours.

Each hour can be understood as a percentage of the total hours of the day.

$01:00 = 1/24$
 $02:00 = 2/24$
 $03:00 = 3/24$ and so on.

The percentage can be used to find the seconds.

Example (15:00)

$15:00 * 86400 = 54000$

Fifteen hours equals 54000 seconds.

$15:00$ is $15/24$ (0.625).

$0.625 * 86400 = 54000$

Multiply to get 86400

$24 \text{ (hours)} * 60 \text{ (minutes)} * 60 \text{ (seconds)} = 86400$

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