

18.17.7.323 TIME

Syntax:

TIME (*hour* , *minute* , *second*)

Description: Computes the serial date-time for the given time.

Arguments:

Name	Type	Description
<i>hour</i>	number	A number in the range 0–32767, inclusive, truncated to integer, that represents the hour. Any value greater than 23 shall be divided by 24 and the remainder shall be treated as the hour value.
<i>minute</i>	number	A number in the range 0–32767, inclusive, truncated to integer, that represents the minute. Any value greater than 59 shall be converted to the corresponding number of hours and minutes.
<i>second</i>	number	A number in the range 0–32767, inclusive, truncated to integer, that represents the second. Any value greater than 59 shall be converted to the corresponding number of hours, minutes, and seconds.

Return Type and Value: number – The serial date-time for the given time, as a value greater than or equal to 0 and less than or equal to 1.

However, if *hour*, *minute*, or *second* are out of range, #NUM! is returned.

[*Example:* The following serial date-times are displayed with 16 decimal places.

TIME(0,0,0) results in a serial date-time of 0.0000000000000000
TIME(0,0,1) results in a serial date-time of 0.0000115740740741
TIME(0,0,2) results in a serial date-time of 0.0000231481481481
TIME(0,0,20) results in a serial date-time of 0.0002314814814815
TIME(2,3,20) results in a serial date-time of 0.0856481481481481
TIME(12,0,0) results in a serial date-time of 0.5000000000000000
TIME(23,59,59) results in a serial date-time of 0.9999884259259260
TIME(26,120,240) results in a serial date-time of 0.16944444444444450

end example]