Military Time Conversion

20:38

Military time conversion chart

Here you can find an easy to use printable military time conversion chart. With this chart is quite easy to convert military time to standard time and visa versa.

Printable Military Time Conversion Chart

Military Time	Standard Time
0000 / 2400 hours	12 AM / Midnight
0100 hours	01:00:00
0200 hours	02:00:00
0300 hours	03:00:00
0400 hours	04:00:00
0500 hours	05:00:00
0600 hours	06:00:00
0700 hours	07:00:00
0800 hours	08:00:00
0900 hours	09:00:00

1000 hours	10:00:00
1100 hours	11:00:00
1200 hours	12 PM / Noon
1300 hours	13:00:00
1400 hours	14:00:00
1500 hours	15:00:00
1600 hours	16:00:00
1700 hours	17:00:00
1800 hours	18:00:00
1900 hours	19:00:00
2000 hours	20:00:00
2100 hours	21:00:00
2200 hours	22:00:00
2300 hours	23:00:00

(Print this military time conversion chart by clicking on the button)

In the table above you can see two columns which you may use in the following manner:

- In the first column you can see military time from 0000 hours to 2300 hours.
- In the second colum the military time converts to standard time from 12 AM to 23:00.

Military time conversion chart

for minutes

Military time conversion for minutes is quite easy to accomplish. You can do it by yourself if you want to do military time conversion for payroll.

If you had, for example, a working day of 9 hours and 45 minutes standard time you can easily convert it to 9.75 military time as you can see in the table below.

To calculate it for yourself, take the minutes in standard time and divide it by 60 to convert to military time minutes.

(Print this military time conversion chart in minutes by clicking on the button)

Military Time Conversion Chart for Minutes

Standard Time Minutes	Military Time Conversion	Standard Time Minutes	Military Time Conversion
1	0.02	31	0.52
2	0.03	32	0.53
3	0.05	33	0.55
4	0.07	34	0.57

5	0.08	35	0.58
6	0.10	36	0.60
7	0.12	37	0.62
8	0.13	38	0.63
9	0.15	39	0.65
10	0.17	40	0.67
11	0.18	41	0.68
12	0.20	42	0.70
13	0.22	43	0.72
14	0.23	44	0.73
15	0.25	45	0.75
16	0.27	46	0.77
17	0.28	47	0.78
18	0.30	48	0.80
19	0.32	49	0.82
20	0.33	50	0.83
21	0.35	51	0.85
22	0.37	52	0.87
23	0.38	53	0.88
24	0.40	54	0.90
25	0.42	55	0.92
26	0.43	56	0.93
27	0.45	57	0.95

28	0.47	58	0.97
29	0.48	59	0.98
30	0.50	60	1.00

Military time conversion calculator

If you'd like to use a handy calculator we recommend this military time conversion calculator for your convenience. With this handy tool you can easily convert from standard time to military time and visa versa.

What is military time?

Military time is a popular expression of the 24-hour clock convention. This convention divides one day in 24 hours and describes that one day starts at 0000 hours and progresses with each hour until it is ending at 2400 hours or starts at 0000 hours again.

This system of telling time is used in most countries and there's even an international standard for this convention from the ISO (International Organization for Standardization) under ISO 8601.

In the United States, Canada and some other counties many people refer to the 24-hour clock as military time.

Military time conversion

Military time conversion stands for the conversion of military time to standard time or regular

time.

The reason to convert military time is because military time notation is different than regular time notation.

Military time notation does not make use of 'PM', 'AM' or even the ':'-sign, it counts the hours of the 24 hour clock from 0000 to 2400.

In this way, when people ask each other about what time it is, there is no room for misinterpretation or misunderstanding.

Regular time however has different notations for daytime and nighttime and therefore leaves room for interpretation, so military time conversion is needed.

How do you convert standard time to military time?

When you want to convert standard time to military time, or visa versa, you'll have to know that there are a set of different rules for converting hours and minutes.

Convert hours to military time

To convert hours from standard time to military time you'll be using the 24-hour clock and leave any notation of 'PM', 'AM' or the ":"-sign.

- **Example 1:** If you want to convert 1:00 PM standard time to military time, you can add up 12 hours which makes 1300 in military time.
- **Example 2:** If you want to convert 3:00 PM standard time to military time, you can add up 12 hours which makes 1500 in military time.

- **Example 3:** If you want to convert 9:00 AM standard time to military time, you **don't** add up 12 hours (because it's not noon yet) which makes 0900 in military time.

Military time conversion minutes

Military time conversion for minutes to standard time works by multiplying by 60.

- **Example 1:** if you want to convert 0.05 military time minutes to standard minutes, you multiply 0.05 by 60 which is 3 minutes.

To convert minutes from standard time to military time you can do so by dividing the standard time in minutes by 60.

- **Example 1:** If you want to convert 30 minutes standard time to military time in minutes, you divide 30 by 60 which is 0.50 (30/60=0.5)
- **Example 2**: If you want to convert 20 minutes standard time to military time in minutes, you divide 20 by 60 which is 0.33 (20/60=0.33).
- **Example 3:** If you want to convert 15 minutes standard time to military time in minutes, you divide 15 by 60 which is 0.25 (15/60=0.25)

Convert hours and minutes to military time

So, how does converting hours and minutes from standard time to military time come all together? Let's take a look at the following examples.

- **Example 1:** If you have worked 8 hours and 20 minutes and you'd like to fill in your payroll chart, you only need to convert the 20 minutes. So, that is 20/60=0.33 military minutes + 8 hours = 8.33 on your payroll chart.
- **Example 2:** If the standard time is 3:46 PM and you'd like to convert it to military time, you add-up 12 hours first, and then you divide the minutes by 60. So that is 3+12=15, and 46/60=0.77 which is 1577 in military time.

Convert military time to standard time

If you'd like to convert military time to standard time you'll have to calculate the opposite from what we've learned in above paragraphs. You may apply the following rules:

Convert military time to hours

- **Example 1:** If you want to convert 1500 military time to standard time, you can deduct 12 hours which makes 3:00 PM in standard time.
- **Example 2:** If you want to convert 0900 military time tp standard time, you **don't** deduct 12 hours (because it's not noon yet) which makes 0900 in military time.

Convert military time to minutes

To convert minutes from military time format to standard time format you can do so by multiplying the minutes by 60.

- **Example 1:** If you want to convert 0.50 minutes military time to standard time in minutes, you multiply 0.50 by 60 which is 30 (0.50×60=30).
- **Example 2**: If you want to convert 0.33 minutes military time to standard time in minutes, you multiply 0.33 by 60 which is 20 (0.33×60=20).

Convert military time to standard time

Since we know now how to convert hours and minutes in military time format to standard time format separately, we can convert military time to standard time as a whole now. Please consider these examples:

- **Example 1:** If you'd like to convert the time you've worked, i.e. 9.75 hours from military time format to standard time format, you only need to convert the minutes by

multiplying by 60. That is, 0.75 x 60 = 45 minutes + 9 = 9.45 hours.

- **Example 2:** If the military time is 1550 and you'd like to convert from military time to standard time, you deduct 12 hours first, and then you multiply the minutes by 60. So that is 15-12=3, and 0.50×60= 30 which is 3:30 PM in standard time.

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