

Understanding the 24 hour clock

The 24 hour clock is nothing more than a system to record and track time without using the "AM" and "PM" designations.

AM or Morning time is recorded or shown similar to a 12 hour clock, but without any need for AM or PM letters to follow it:

8:00am is 8:00
10:30am is 10:30

However, PM afternoon/ evening time is recorded in numbers so as to eliminate the need for the AM or PM designation. These times merely have the morning 12 hours added to them.

1:00pm is 13:00
5:30pm is 17:30
11:00pm is 23:00

Converting Between AM/PM and 24 Hour Clock *making the conversion*

Converting from AM/PM to 24 hour clock:

between 12:00 AM and 12:59 AM,
subtract 12 hours:
12:59 AM --> 00:59

between 1:00 AM and 12:59 PM, a
straight conversion:
10:00 AM --> 10:00

between 1:00 PM and 11:59 PM,
add 12 hours:
10:59 PM --> 22:59

Converting from 24 hour clock to AM/PM:

between 0000 and 0059, add 12
hours:
00:59 --> 12:59 AM

between 0100 and 1159, straight
conversion to AM:
01:00 --> 1:00 AM

between 1200 and 1259, straight
conversion to PM:
12:59 --> 12:59 PM

between 1300 and 2359, subtract 12
hours:
15:59 --> 3:59 PM