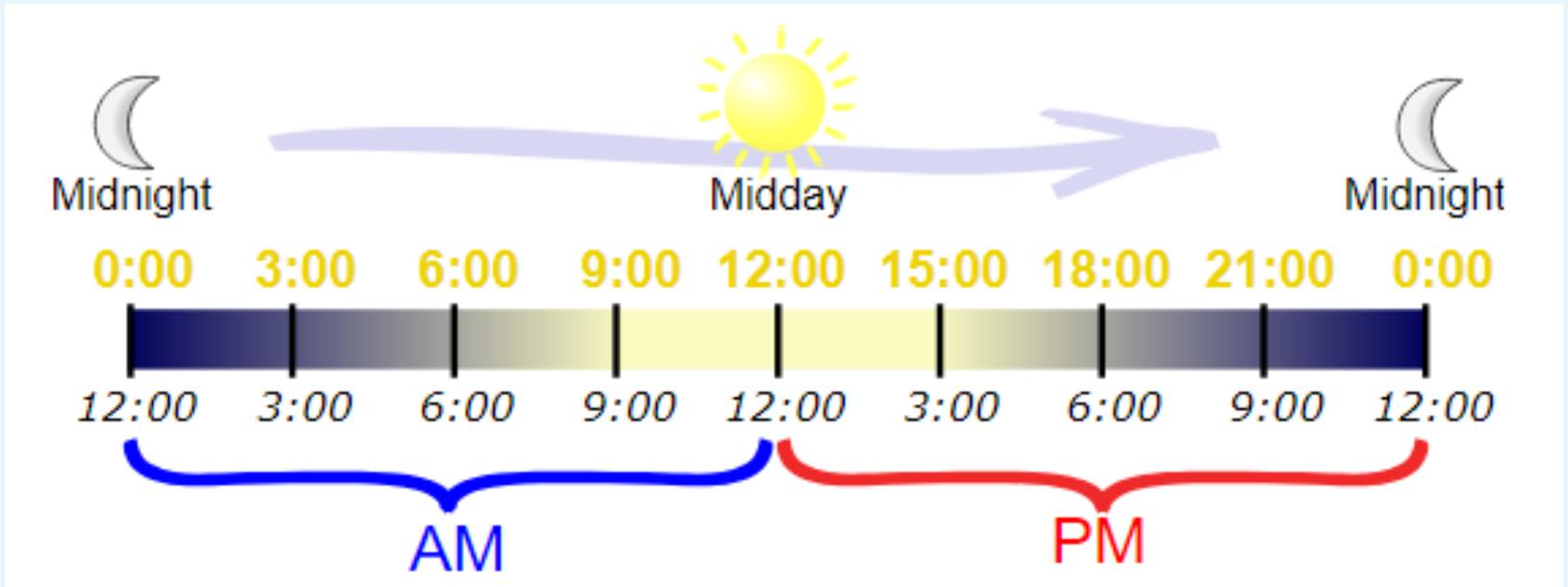


# WALT understand

- a m or p m
- 24 hour clock times.



**am** = from midnight to midday (lunchtime at school)

**pm** = from midday to midnight (when you are in bed hopefully!)

# Say whether each event is am or pm.



wake up?



go to school?

have your lunch?



go home?

eat dinner?



do your homework?

go to bed?



# Task 1: make a timetable

Draw three things that you do in the morning and three things that you do in the afternoon or evening.

Label each activity with the digital time and then am or pm.

## Example



6:00  
pm



Morning

Wake Up

Clean teeth

Breakfast

Afternoon

Play

Books

Shopping

Remember we use a colon : for digital times.

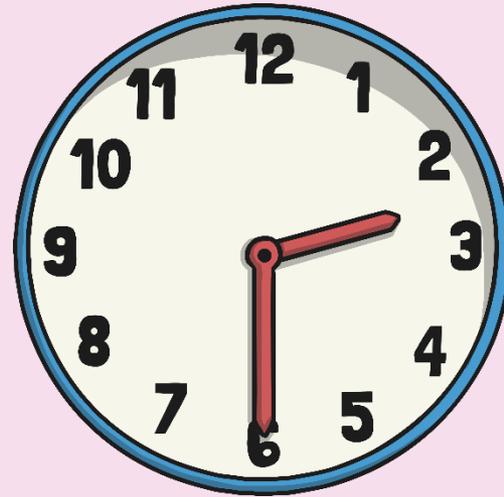
# Now let's learn about the 24 hour clock.

A day has 24 hours. A clock has 12 hours.

This means each time will happen twice every day.



half past 2 in the morning

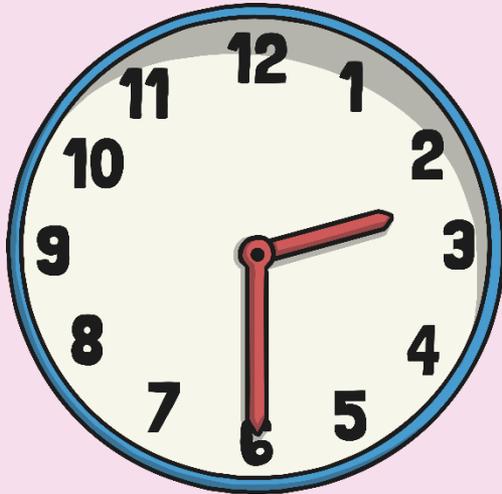


half past 2 in the afternoon

# a.m. and p.m.

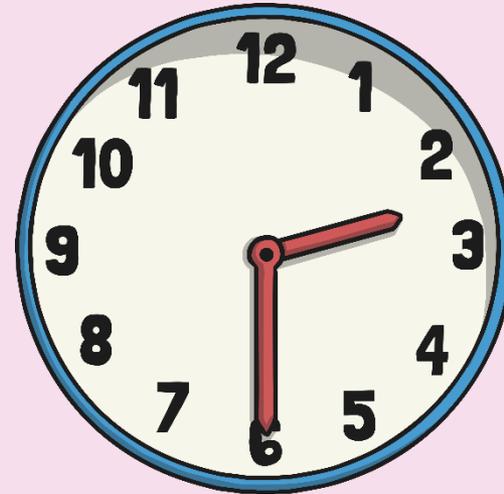
We have to use a way to write these times differently. One way is to use a.m. and p.m.

a.m. (ante meridiem – before noon)



2:30 a.m.

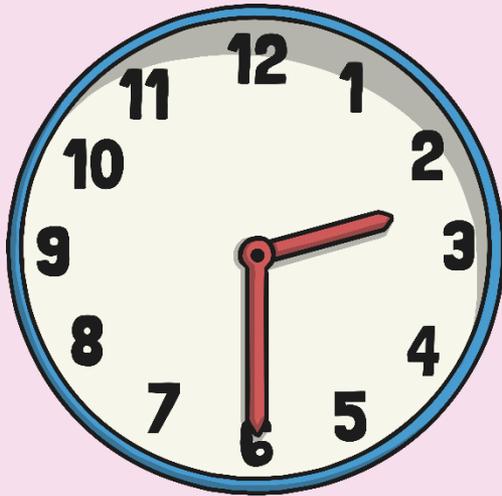
p.m. (post meridiem – after noon)



2:30 p.m.

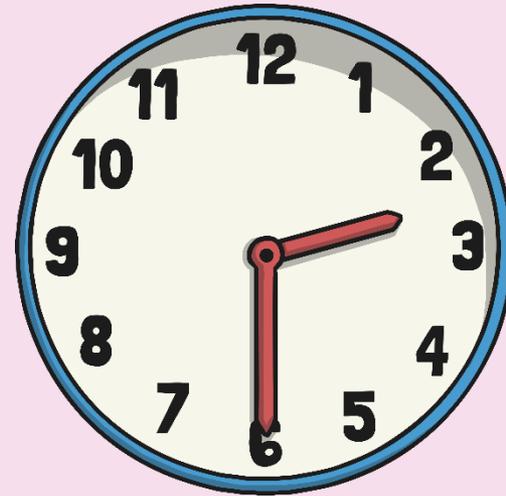
# The 24 Hour Clock

Another way is to use a 24 hour clock. This means that we carry on counting the hours after 12:00 (lunchtime) until we reach 24.00



2:30 p.m.

OR



14:30

This is when we have an afternoon break in school.



# 24 Hour Time in the Morning

To convert between 12 and 24 hour time in the morning the hours will stay the same but you will not write a.m.



# 24 Hour Time in the Afternoon

To convert between 12 and 24 hour time in the afternoon add or subtract 12 hours. Remember you only write p.m. for 12 hour clock.

6:00 p.m. becomes 18:00



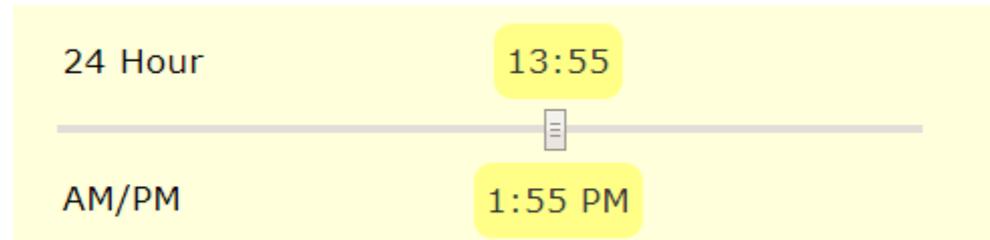
Mrs Earl's...

22:30 becomes 10:30 p.m.



If you need some more help with 24 hour clock, try typing these websites into your computer.

<https://www.mathsisfun.com/time.html>



This slider shows how 12 hour clock changes to 24 hour clock.

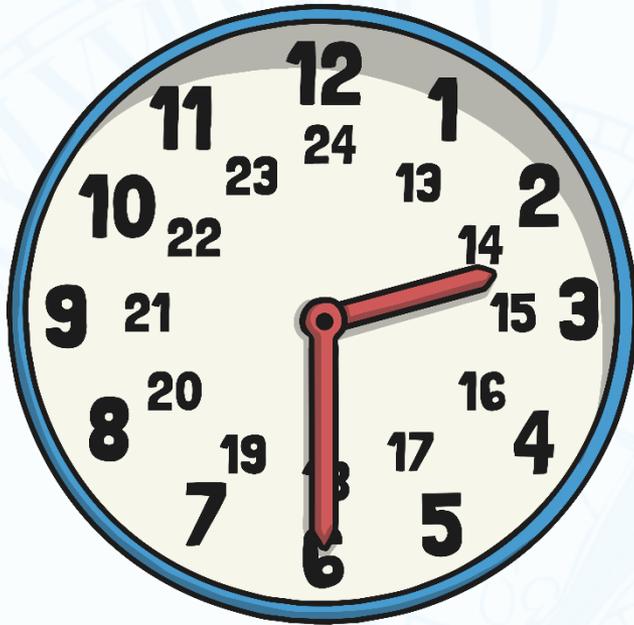
[https://www.topmarks.co.uk/time/teaching\\_clock](https://www.topmarks.co.uk/time/teaching_clock)

You can use this website to see how the same time looks on different clocks.

**Task 2** write down 5 times and use these websites to help you to write the 24 hour digital time.



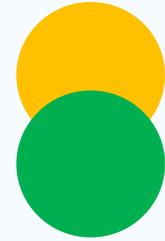
Task 2: use this table to help with the questions on the following slides.



|                  |                  |
|------------------|------------------|
| 00:00 = 12:00 AM | 12:00 = 12:00 PM |
| 01:00 = 1:00 AM  | 13:00 = 1:00 PM  |
| 02:00 = 2:00 AM  | 14:00 = 2:00 PM  |
| 03:00 = 3:00 AM  | 15:00 = 3:00 PM  |
| 04:00 = 4:00 AM  | 16:00 = 4:00 PM  |
| 05:00 = 5:00 AM  | 17:00 = 5:00 PM  |
| 06:00 = 6:00 AM  | 18:00 = 6:00 PM  |
| 07:00 = 7:00 AM  | 19:00 = 7:00 PM  |
| 08:00 = 8:00 AM  | 20:00 = 8:00 PM  |
| 09:00 = 9:00 AM  | 21:00 = 9:00 PM  |
| 10:00 = 10:00 AM | 22:00 = 10:00 PM |
| 11:00 = 11:00 AM | 23:00 = 11:00 PM |
| 12:00 = 12:00 AM | 24:00 = 12:00 PM |

Midnight is written as both 00:00 and 24:00

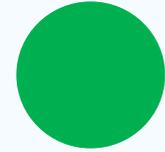
# Convert 12 to 24 hour



Convert these times to 24 hour time

| 12 hour time | 24 hour time |
|--------------|--------------|
| 2:45 a.m.    | 02:45        |
| 10:20 a.m.   | 10:20        |
| 1:55 p.m.    | 13:55        |
| 3:05 p.m.    | 15:05        |
| 5:35 p.m.    | 17:35        |
| 8:40 p.m.    | 20:40        |
| 11:25 p.m.   | 23:25        |

# Convert 24 to 12 hour



Convert these times to 12 hour time

| 24 hour time | 12 hour time |
|--------------|--------------|
| 03:15        | 3:15 a.m.    |
| 11:15        | 11:15 a.m.   |
| 14:45        | 2:45 p.m.    |
| 16:20        | 4:20 p.m.    |
| 18:55        | 6:55 p.m.    |
| 21:05        | 9:05 p.m.    |
| 22:35        | 10:35 p.m.   |

SHEPHERD PATENTEE  
53 LEADENHALL ST LONDON

You can have another go at this game but try the 24 hour clock now. See the link on the Week 2 Tasks sheet.



53 LEADENHALL ST. LONDON