



Year 3
Maths
16th July 2020



Lesson Aims

- **Learning Intention**

- To be able to tell the time to either 1 or 5 minute intervals.
- To be able to tell the time on a 24 hour clock.

- **Success Criteria**

- I know the hour hand is the short hand.
- I know the minute hand is the long hand.
- I know there are 60 minutes in an hour.
- I know the difference between am and pm.
- I can count in 5's and 1's.



Fluency Starter

- How many seconds are in 5 minutes?
- How many seconds are there in 4 minutes?
- How many minutes are in 3 hours?
- How many minutes are in 8 hours?
- **Top tip - use a grid method to help you.**



Fluency Starter Answers

- How many seconds are in 5 minutes? **300 seconds**
- How many seconds are there in 4 minutes? **240 seconds**
- How many minutes are in 3 hours? **180 minutes**
- How many minutes are in 8 hours? **480 minutes**
- **Top tip - use a grid method to help you.**
- .



Main Teaching

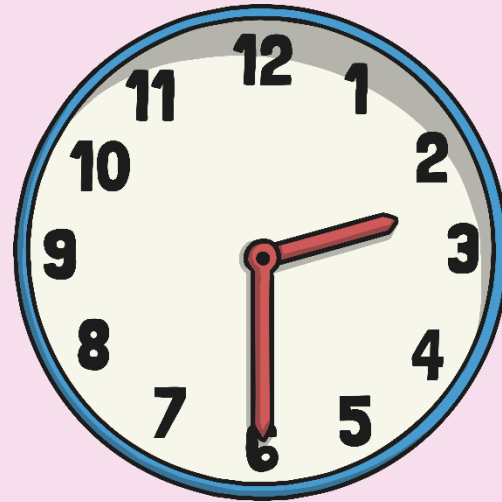
- Today we're telling the time on the 24 hour clock.
- Please don't move your child on to next stage of learning until they feel confident.
- Tuesday's Power Point is available to help with the teaching of telling the time to 5 and 1 minute intervals. There is also a worksheet for 1 minute intervals (answers included) and a game available to help with learning 5 minute intervals.

The 24 Hour Day

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.

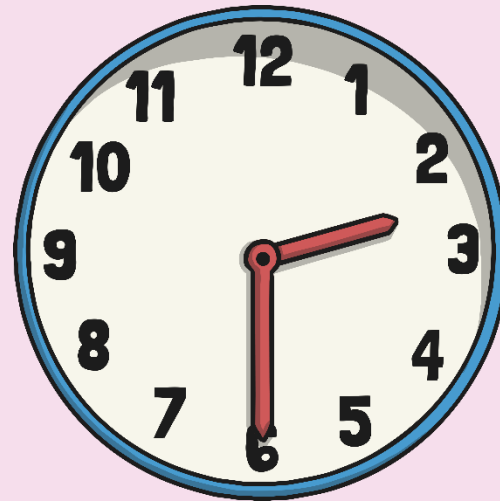
We have to use a way to write these times differently. One way is to use a.m. and p.m.

a.m. (ante meridiem – before noon)



2:30 a.m.

p.m. (post meridiem – after noon)



2:30 p.m.

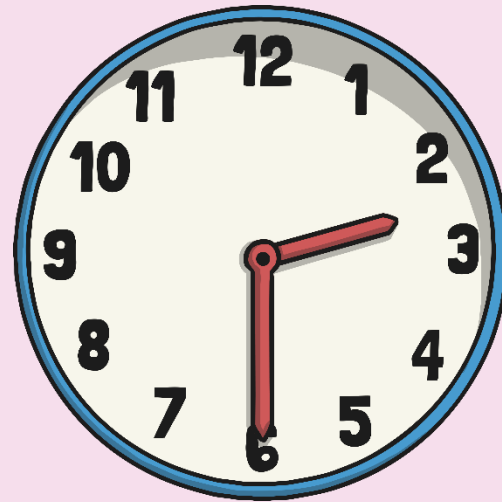
The 24 Hour Clock

Another way is to use a 24 hour clock.

This means the hours after 12 noon are converted to 13:00 to 23:00.



2:30



14:30

A 4 digit format is used. 2 digits for the hour, a colon (:), and 2 for the minutes.

24 Hour Hours

This clock and table show the corresponding hours on a 24 hour clock.

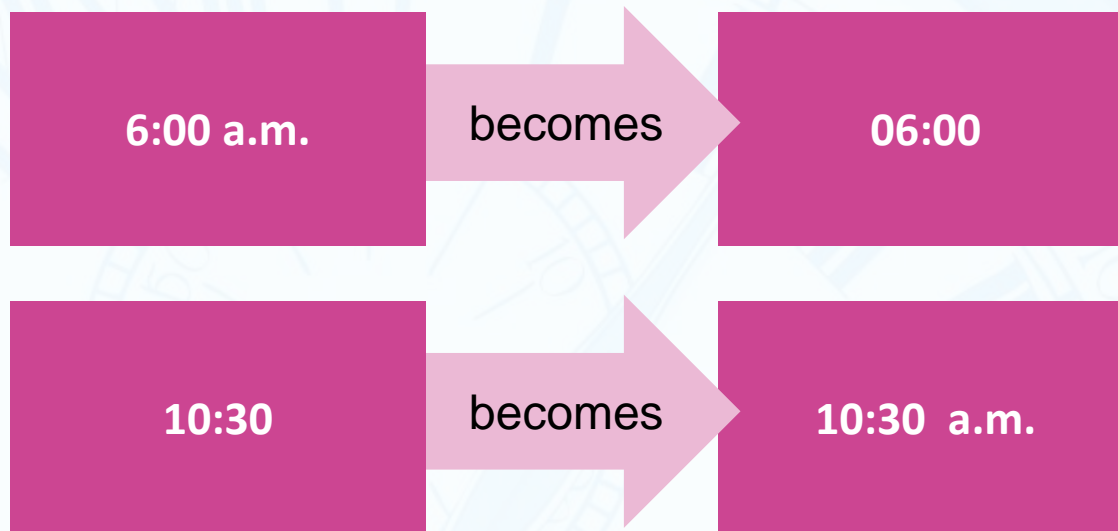


0:00 = 12:00 AM	12:00 = 12:00 PM
01:00 = 1:00 AM	13:00 = 1:00 PM
02:00 = 2:00 AM	14:00 = 2:00 PM
03:00 = 3:00 AM	15:00 = 3:00 PM
04:00 = 4:00 AM	16:00 = 4:00 PM
05:00 = 5:00 AM	17:00 = 5:00 PM
06:00 = 6:00 AM	18:00 = 6:00 PM
07:00 = 7:00 AM	19:00 = 7:00 PM
08:00 = 8:00 AM	20:00 = 8:00 PM
09:00 = 9:00 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

Midnight is referred to as 00:00

24 Hour Time in the Morning

To convert between 12 and 24 hour time in the morning change the format.



The hours stay the same.

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.



Activity

- http://www.skool.com.eg/english/skool_bundle/content/primary/maths/24_hour_time/index.html
- This is an interactive tutorial if your child requires further help with understanding the 24 hour clock.
- Please use the sheet called MATHS Thursday 24 hour sheet. The answers are on the last two pages.
- There is a challenge available, complete with answers.
- There is also work set on Doodlemaths and Purple Mash.