

Key Instant Recall Facts

Y5 – Spring 1



I can tell the time and calculate duration

In Key Stage 2 and beyond, children need to be able to tell the time using both analogue and digital clocks, and using 12-hour and 24-hour notation. They then should be able to use this information to calculate how long something lasts - its duration.



The 24 hour clock

We can tell the time without saying AM and PM - for this, we use the **24 hour clock**. The 24 hour clock always uses 4 digits, and we use this system most often with **digital clocks**. For any time **before 10 o'clock in the morning**, a zero is placed at the beginning. The first two digits show the hour and the last two digits show the minutes. We don't use AM or PM here, because the time shows all the hours in a 24 hour day.

06:45 means 45 minutes past the 6th hour of the day, or 6:45 AM.

12:30 means 30 minutes past the 12th hour of the day, or 12.30 PM.

Changing between the 12 and 24 hour clocks

To convert from the 12 hour clock to the 24 hour clock is easy - you just need to add 12 to the hours in the day after midday. For example:

2 o'clock PM becomes 14:00, as $2 + 12 = 14$.

8 o'clock PM becomes 20:00, as $8 + 12 = 20$.

To convert from the 24 hour clock to a PM time in the 12 hour clock, just subtract 12:

19:00 becomes 7 o'clock PM, as $19 - 12 = 7$.

Duration/Intervals

Children need to calculate the interval between two times. For example, if the first lesson starts at 9.05am and finishes at 10.15am, how long is the lesson in minutes? What about in hours and minutes?

If a cake needs baking for 40 minutes and I put it in at precisely 15.38, what time will I take it out of the oven?

Take it further:

Children in Year 5 need to calculate time intervals from timetables, for example:

	Train 1	Train 2	Train 3
Pieminster	13.15	15.15	17.15
Steeplebank	14.55	----	18.55
Westerfield	16.10	17.55	20.10

They might be asked the following questions about this timetable:

If I take Train 2 from Pieminster to Westerfield, how long will my journey take?

How long does it usually take to get from Steeplebank to Westerfield?

For online games, see:

<https://www.bbc.co.uk/bitesize/topics/zhk82hv/articles/zcmdwxs>

https://mathsframe.co.uk/en/resources/resource/116/telling_the_time

<https://www.topmarks.co.uk/Search.aspx?q=telling+time>

<https://www.bbc.co.uk/bitesize/articles/z44mqfr>

<https://www.bbc.co.uk/bitesize/clips/z3rkq6f>

Top Tips:

Use the time as often as possible - give your child responsibility for being ready by a given time, help them with a countdown if needed.

Have different clocks around the house and ask you child to use them.

Use the TV directory to discuss how long a show is.

If you're lucky enough to be going away, look at flight times or train timetables and discuss how long the journey will be.