



Topic: Maths

Year: 4

Strand: Time

What should I already know?

Previous learning that will help you with this unit of work:

- Use analogue and digital 12-hour clocks
- Know the number of seconds in a minute, minutes in an hour, hours in a day, and the number of days in each week, month, year and leap year



Key Vocabulary

Analogue	A clock in which the hours, minutes, and sometimes seconds are indicated by hands on a dial.
Digital	Digital devices such as watches or clocks give information by displaying numbers.
12-hour clock	The 12-hour clock divides the 24 hours of the day into two sections. Time from midnight to noon is a.m. and from noon to midnight p.m.
24-hour clock	A method of measuring the time based on the full twenty-four hours of the day, rather than dividing it into two groups of twelve hours.
Second	A second is one of the sixty parts that a minute is divided into.
Minute	A minute is one of the sixty parts that an hour is divided into.
Hour	An hour is a period of sixty minutes.
Day	A day is one of the seven twenty-four hour periods of time in a week.
Week	A week is a period of seven days.
Month	A month is one of the twelve periods of time that a year is divided into
Year	A year is a period of twelve months or 365 or 366 days, beginning on the first of January and ending on the thirty-first of December.

What will I know by the end of the unit?

How many hours do we sleep at night?	8 –10 hours
How many minutes are in 3 hours? How many seconds are in 5 minutes?	60 x 3 = 180 minutes 5 x 60 = 300 seconds
What is 1 o'clock in the afternoon on a 24 hour digital clock?	13:00
How will the time be shown for 3 o'clock in the morning/afternoon on a digital 24 hour clock?	Morning 03:00 Afternoon 15:00
How many days are there in 8 weeks?	7 x 8 = 56 days
What calculation do we need to do to convert days to weeks/weeks to days?	Days to week; multiply by 7 Weeks to days; divide by 7
How many months/weeks/days are there in 3 years?	Months; 12 x 3 =36 Weeks; 52 x 3 = 156 Days; 365 x 3 = 1095

Objectives

- To read, write and convert time between analogue and digital 12- and 24-hour clocks
- To solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days