



Knowledge Organiser

Measurement



Year 4

Time

The 24-hour clock informs us whether a time is in the first 12 hours of the day (before midday) or after midday. 24-hour time is commonly used as a format on digital clocks. Time is often displayed with 4 digits that show the hours and the minutes. The digits show the 24 hours in a day and so a.m. and p.m. are not needed.

Builds from Year 3:
Tell the time (analogue including Roman numerals).
Interpret a 24-hour clock.
Calculate and compare durations of time.
Understand the difference between am and pm.

This year:
Convert time between analogue and digital 12- and 24-hour clocks.
Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days.

Leads to Year 5:
To convert between units of time.

Analogue and Digital Clocks

24-Hour Time

ten past
8



8:10

quarter to
7



18:45

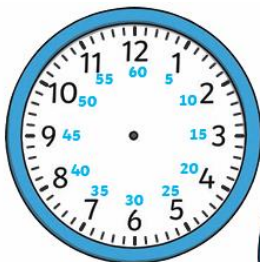
twenty past
11



23:20

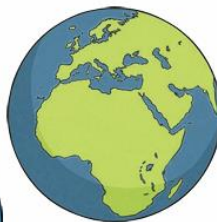
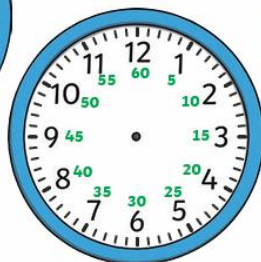
12 a.m. (midnight)	00:00
1 a.m.	01:00
2 a.m.	02:00
3 a.m.	03:00
4 a.m.	04:00
5 a.m.	05:00
6 a.m.	06:00
7 a.m.	07:00
8 a.m.	08:00
9 a.m.	09:00
10 a.m.	10:00
11 a.m.	11:00
12 p.m. (noon)	12:00
1 p.m.	13:00
2 p.m.	14:00
3 p.m.	15:00
4 p.m.	16:00
5 p.m.	17:00
6 p.m.	18:00
7 p.m.	19:00
8 p.m.	20:00
9 p.m.	21:00
10 p.m.	22:00
11 p.m.	23:00

Durations of Time



There are
60 seconds
in a minute.

There are
60 minutes
in an hour.



There are
24 hours
in a day

There are
7 days
in a week.



There are
12 months
in a year.

Key Vocabulary

analogue digital hours minutes seconds o'clock half past quarter past quarter to midday midnight
noon 12-hour time 24-hour time Roman Numerals

