Knowledge Organiser
Measurement

Year 3	Time

Telling the time is an important skill that we need to learn. It helps us to become organised and to know how long something takes to do or happen (duration). A unit of time is any particular interval: second, minute, hour, day, month and year. Months and years are used to measure longer periods of time.

Builds from Year 2:
Compare intervals of time.
Tell and write the time to five minutes.
Quarter past/to the hour.
60 minutes in an hour.
24 hours in a day.

This year:
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.

Leads to Year 4:
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.

Analogue and Digital Clocks

12:00 twelve o'clock

12:15 quarter past twelve

12:30 half past twelve

12:45 quarter to one

Roman Numerals

I — one

V — five

X — ten

24-Hour Time

13:00	1 p.m.	1 o'clock	
14:00	2 p.m.	2 o'clock	
15:00	3 p.m.	3 o'clock	
16:00	4 p.m.	4 o'clock	
17:00	5 p.m.	5 o'clock	
18:00	6 p.m.	6 o'clock	
19:00	7 p.m.	7 o'clock	
20:00	8 p.m.	8 o'clock	
21:00	9 p.m.	9 o'clock	
22:00	10 p.m.	10 o'clock	
23:00	11 p.m.	11 o'clock	
00:00	12 a.m.	12 o'clock	

Time can be written in a variety of ways.

midnight / morning / 12:00 a.m. / a.m. / p.m. / 12:00 p.m. / evening/night time / midday
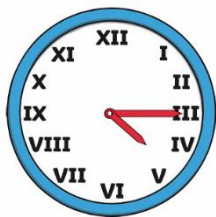
Compare Durations of Time

60 seconds = 1 minute
60 minutes = 1 hour
24 hours = 1 day

180 seconds	is the **same** as	3 minutes.
90 minutes	is **shorter** than	2 hours.
48 hours	is **longer** than	1 day.

Calculate Durations of Time

Start	Duration	End
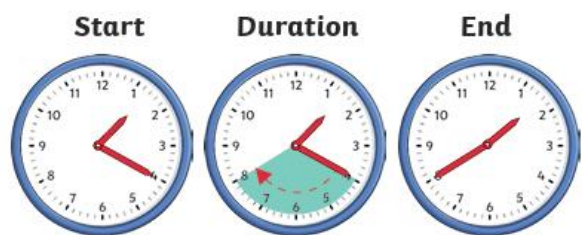
20 minutes has passed.

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