



Key Vocabulary	Definition
If you see * next to a word, there is a diagram to explain it	
12-hour time	Measuring time by dividing the day into 2 twelve-hour sections (am and pm)
24-hour time	Measuring time in 24-hour intervals
Roman numerals	Letters are used in combination to write numbers: I=1 V=5 X=10 L=50 C=100
analogue *	A clock with the numbers 1 to 12 around the face and rotating hands to show the time
digital *	A clock without hands that uses numerals to show the time
hours	1 hour is equal to 60 minutes. There are 24 hours in 1 day
minutes	1 minute is equal to 60 seconds 60 minutes = 1 hour
seconds	60 seconds = 1 minute
o'clock	Lets us know the hour (e.g. it is 1 o'clock = 1:00am or 1:00 pm)
half past	30 minutes after the hour
quarter past	15 minutes after the hour
quarter to	15 minutes before the next hour OR 45 minutes after the hour
midday / noon	12:00pm (the middle of the day)
midnight	12:00am (the middle of the night) Each new day starts at midnight
am	any time in the morning, that is between midnight and midday (noon)
pm	any time after midday, that is between noon and midnight

Analogue and Digital Clocks

Minute Hand
The long hand points to the minutes past the hour.

Hour Hand
The short hand points to the hour. If this hand is pointing between the hours, it is the earlier hour of the two.

	twelve o'clock		quarter past twelve
	half past twelve		quarter to one

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.

times of the day

night		00:00	0:00	midnight	Sleeping
		01:00	1:00	a.m.	Sleeping
		02:00	2:00	a.m.	Sleeping
		03:00	3:00	a.m.	Sleeping
		04:00	4:00	a.m.	Sleeping
		05:00	5:00	a.m.	Sleeping
		06:00	6:00	a.m.	Waking
sunrise	{	07:00	7:00	a.m.	Breakfast time
		08:00	8:00	a.m.	Go to school
		09:00	9:00	a.m.	Class
		10:00	10:00	a.m.	Class.
		11:00	11:00	a.m.	Morning tea
day		12:00	12:00	midday	Class
		13:00	1:00	p.m.	Lunchtime
		14:00	2:00	p.m.	Class
		15:00	3:00	p.m.	Go home
		16:00	4:00	p.m.	Afternoon tea
sunset	{	17:00	5:00	p.m.	Play
		18:00	6:00	p.m.	Homework
		19:00	7:00	p.m.	Dinner time
		20:00	8:00	p.m.	Bedtime
		21:00	9:00	p.m.	Sleeping
		22:00	10:00	p.m.	Sleeping
		23:00	11:00	p.m.	Sleeping
night		24:00	12:00	midnight	Sleeping

There are 24 hours in a day.

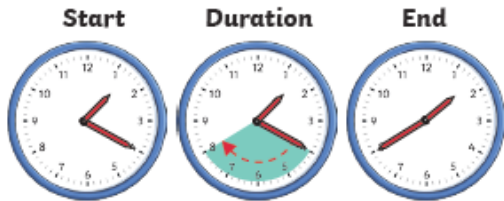


Zooming out...

- Pre-historic people first recorded the phases of the moon 30,000 years ago
- The sun - as we travel around the sun, its position changes in the sky which helps us know if it is morning, afternoon or night. Sun dials were used to help tell the time.
- An Egyptian sundial from about 1,500 BCE is the earliest evidence of the division of the day into equal parts, but the sundial was no use at night!
- In the 14th century - large mechanical clocks were invented
- Roman numerals are 7 letters which are used to represent numbers. The Romans introduced them and they are still used for the Summer and Winter Olympics, in the Names of popes and monarchs (Kings and Queens) and for the year a movie was released.
- The first digital watch was invented by an Austrian engineer called Josef Pallweber in 1883! It was not until 1970 that the first digital watch as we know it was made!

Prior Knowledge

Calculate Durations of Time



20 minutes has passed.

Real Life

- Being on time - getting to where you need to be
- Cooking - how long does your cake need to be in the oven?
- A race - who won? How fast did they go? What was the difference in time between first and second place?
- What else can you think of?