

# Time

## Learning Objective:

To explore measurements of time and relate them to one another.



What is a unit of measurement?

How many units of measurement can you think of?

Did you think of any time measurements?

As well as units of measurement that measure things like weight, length and capacity (such as metres, kilograms and litres), units of measurement can also include measures of time.



**How would you describe each of these measures of time?**

second

day

month

year

minute

hour

week

minute

day

year

hour

month

week

second



Can you order  
these measures of time  
from the shortest to the  
longest?

shortest

second

Seconds are a very small measure of time.

minute

There are 60 seconds in one minute.

hour

There are 60 minutes in one hour.

day

There are 24 hours in one day.

week

There are 7 days in one week.

month

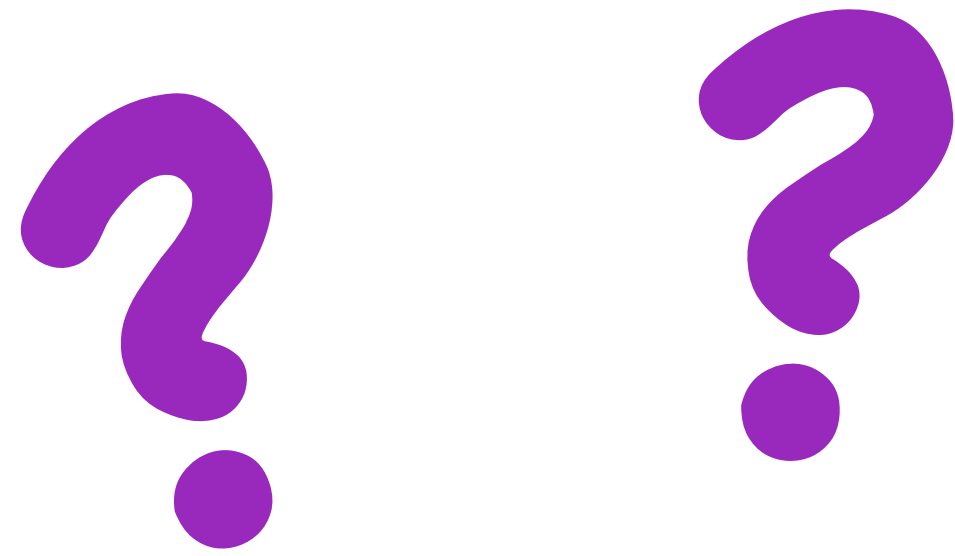
There are around 30 days in one month.

year

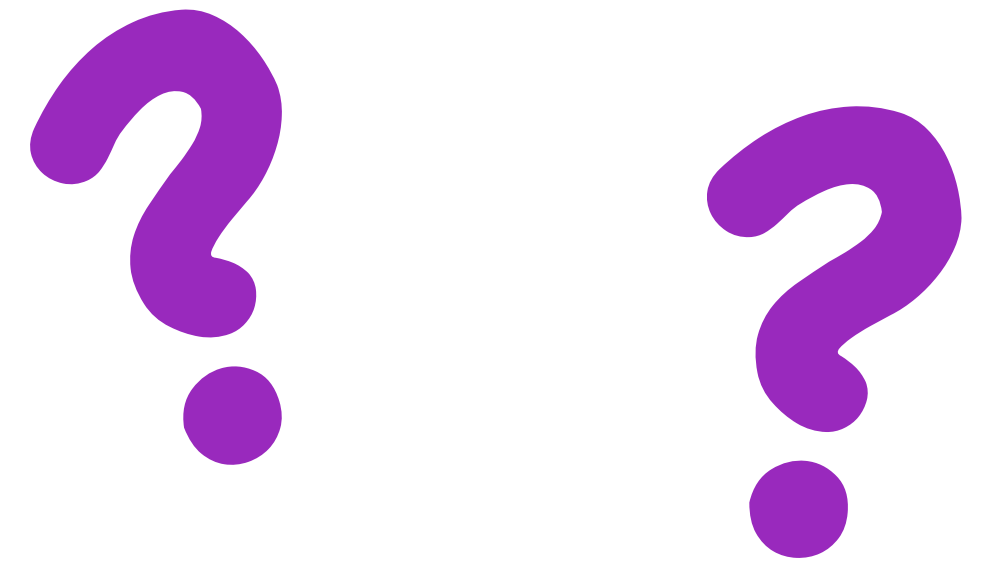
There are 12 months or 365 days in a year.

longest

**Did you get the order correct?**



Do you know how many days there are in a year?



Do you know how many days there are in a week?

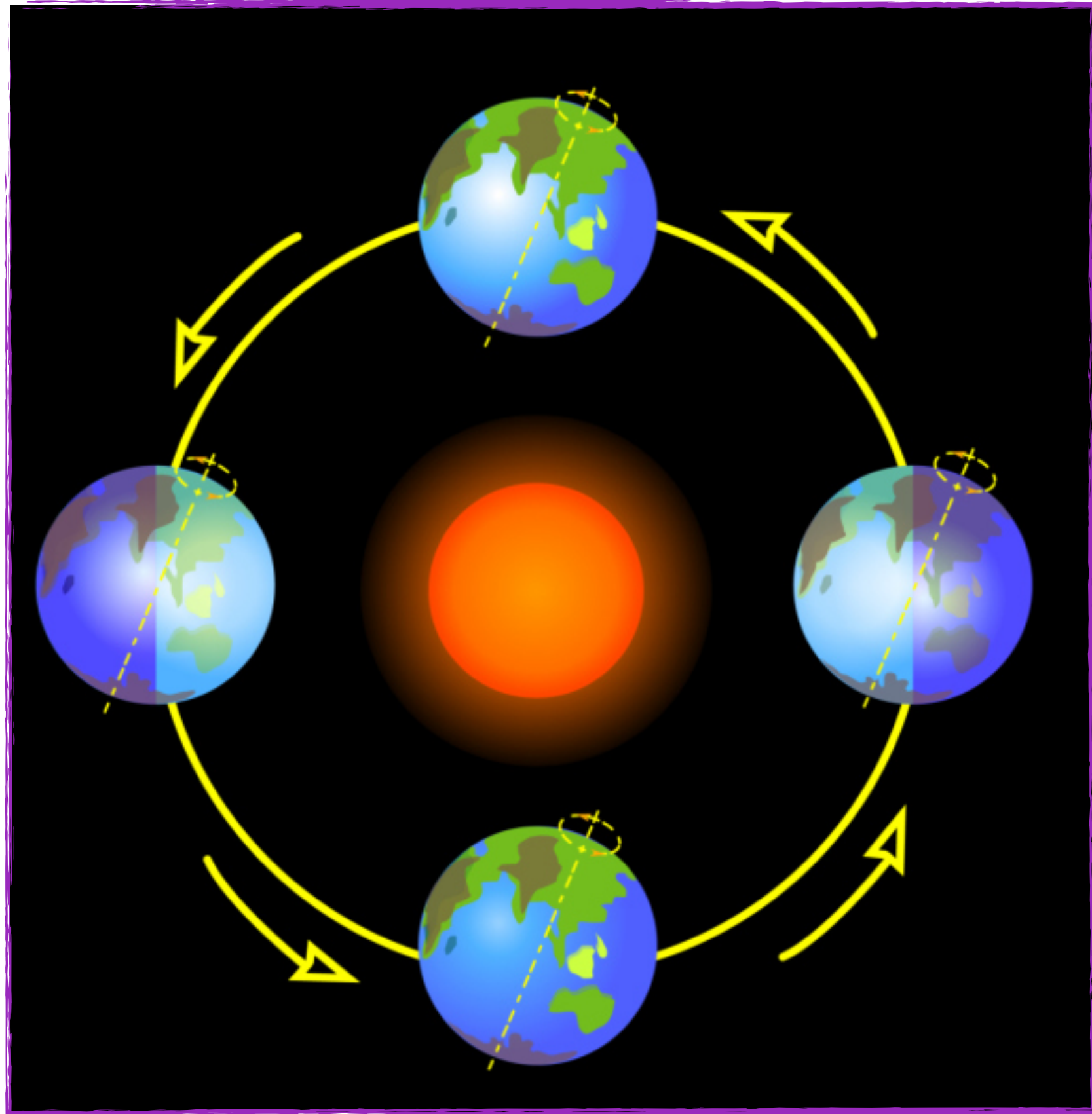
Do you know how many weeks there are in a year?

Do you know how many hours there are in a day?

Do you know how many months there are in a year?



The way we measure days, weeks, months and years is all set by the solar system. A year is the length of time it takes for the Earth to travel around the sun and a day is how long it takes the Earth to rotate once on its axis.



It takes 365.25 days for the Earth to travel around the sun. This is how many days there are in a year.

Can you explain what this diagram is showing?



Days are relatively short periods of time and years are very long so we split a year into weeks and months too. There are 12 months in a year. There are also 52 weeks in a year and 7 days in each week.

A year

12 months

52 weeks



Can you name the seven days of the week and the twelve months of the year?



## Months of the year

January

February

March

April

May

June

July

August

September

October

November

December

## Days of the week

Monday

Tuesday

Wednesday

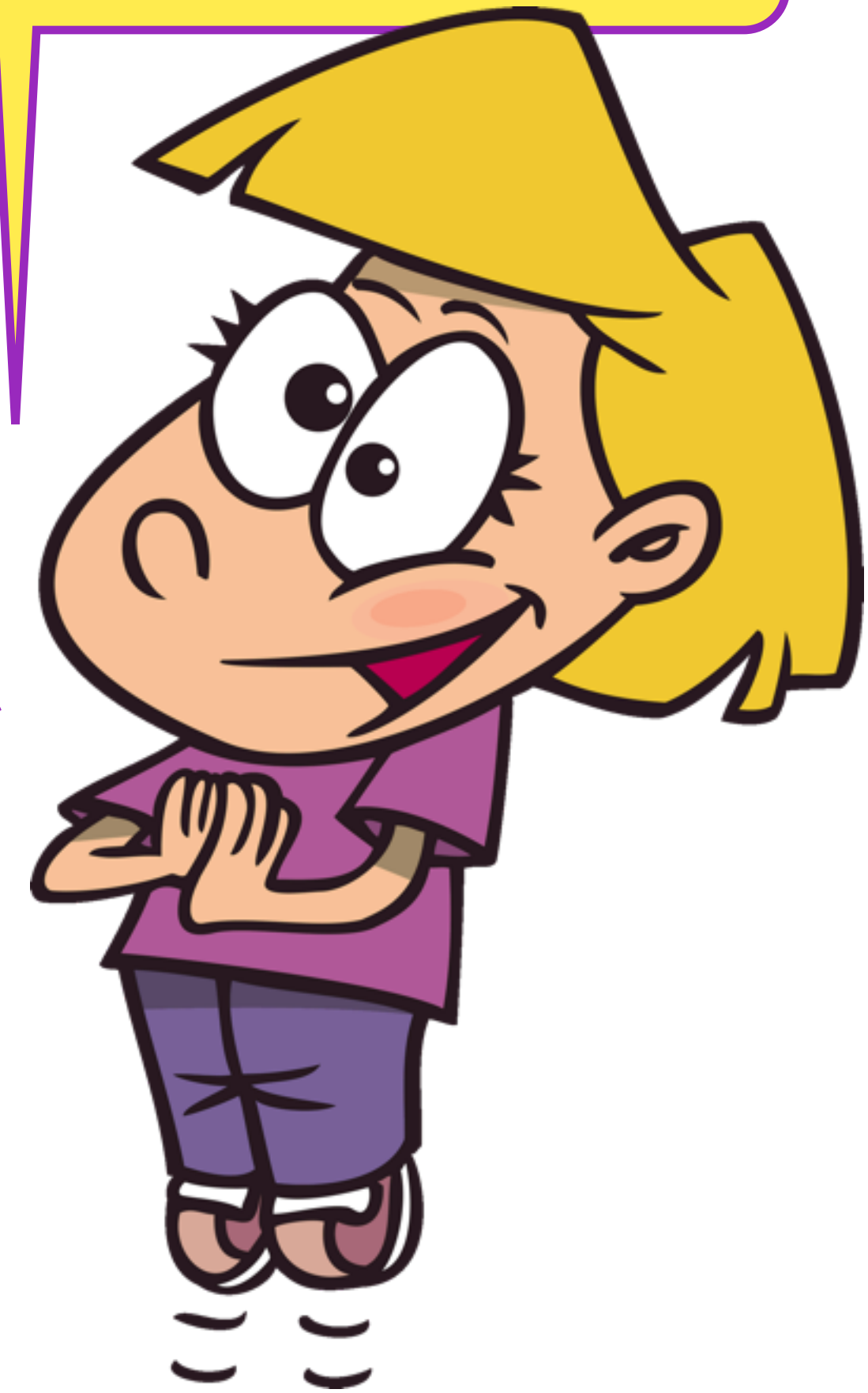
Thursday

Friday

Saturday

Sunday

Did you get those right?



Do you have a special way of remembering the correct order?

Have a look at this page from my calendar. Can you explain what it shows?



# August

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

This table shows how many days there are in each month. All the months have 30 or 31 days in them, apart from February which has 28 days in most normal years but 29 days in a leap year.

Month	No. of days
January	31
February	28 or 29
March	31
April	30
May	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31

Do you know what a leap year is?



It takes the Earth  $365\frac{1}{4}$  days to orbit the sun. To make this easier, we round it down and say that a year has 365 days. However, every fourth year we have an extra day, 29th February, to make up the four quarter days that we have missed. The year this happens is called a leap year. Leap years have 366 days.



My birthday is 29th February so it only comes around once every four years! During years that aren't leap years, I celebrate my birthday on 28th February instead. Do you know anyone who was born on 29th February?

# Plenary:

Let's  
see how much you  
can remember about  
measures of time with a  
quiz. Are you  
ready?



How many  
months are  
there in a  
year?





There are  
twelve months  
in a year!  
**Well done!**

Which month  
comes after  
September?







October comes  
after  
September.  
Good job!

How many  
days are there  
in June?





There are  
thirty days in  
June!  
**Terrific!**

How often  
does a leap  
year happen?





Leap years  
occur every  
four years.  
**Good stuff!**

Which day of  
the week  
comes after  
Tuesday?





Wednesday  
comes after  
Tuesday.  
Marvellous!

How many  
days are there  
in December?







There are  
thirty-one days  
in December.  
**Fabulous!**

Well done  
everyone!

