

Maths

Measurement – Time

Objective of this unit:

We will be able to:

- Say if things happen before or after.
- Use a calendar to find how many days are in a week, how many months are in a year.
- Tell time to the hour and the half hour.
- Compare time.
- Solve time word problems.



Words to be familiar with for this unit:

Before, after, yesterday, today, tomorrow, day, week, slower, faster, longer, shorter, months, year, calendar, date, minute hand, hour hand, o'clock, half past, second, minute, hour.

Enjoy this practical unit, you can sing lots of songs and rhymes to remember the days of the week and the months of the year. Look at a calendar together and talk about days, weeks, months using the vocabulary above. Can you find out how many days and months it is until your birthday?

Days of the week song:

<https://www.youtube.com/watch?v=mXMofxtDPUQ&vl=en>

Months of the year: <https://www.youtube.com/watch?v=NA6sCLgqkL4>

Describe a special day to your family.

Use the words: **before, after, first, next, then, morning, afternoon, evening.**

Have a go at completing the activity below to test what you've learnt.



What Happens When?



Fill in the missing words to complete the sentences. You can only use each word once.

first

next

before

after

then

last

morning

afternoon

evening

I get out of bed every _____.

Breakfast comes _____ lunch.

I dry my hair _____ I have washed it.

I go to sleep in the _____.

I brush my teeth and _____ I go to bed.

Saturday is the _____ day after Friday.

December is the _____ month of the year.

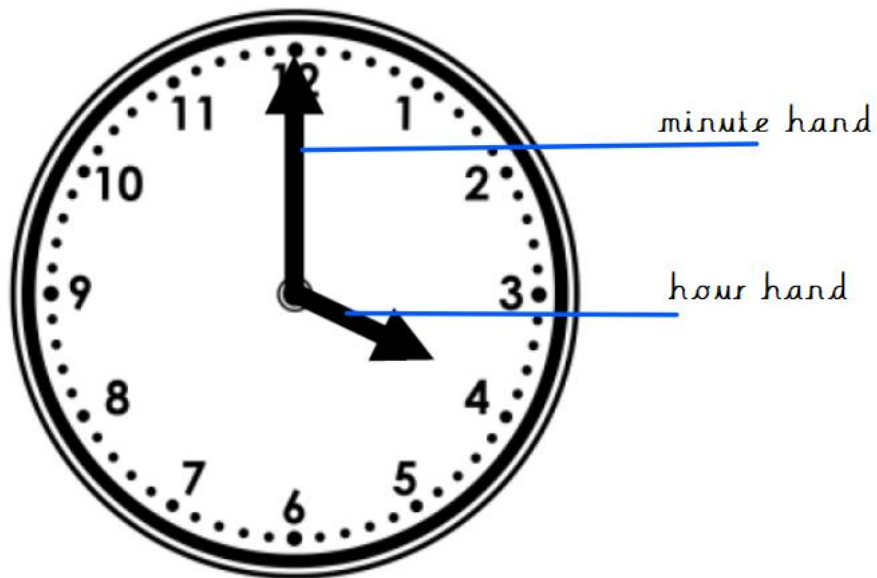
The _____ comes between the morning and the evening.

twinkl.com

Telling the time – o'clock

See how many clocks you can find around your house and think about the different parts. What do the numbers show? What do you notice about the hands? What do they show? Why is one hand longer than the other?

We are learning to recognise the parts of a clock.



What do you notice about the hands?

When the minute hand is on the 12 we say o'clock. What time does the clock above show?

Can you tell the time on the clocks below?



___ o'clock



___ o'clock



___ o'clock



___ o'clock



___ o'clock



___ o'clock



___ o'clock



___ o'clock

Can you draw the minute hand and hour hand on these clocks to show the time below each clock? Use a ruler if you have one and remember which hand is longer than the other!



5 o'clock



11 o'clock



4 o'clock



9 o'clock



1 o'clock



10 o'clock



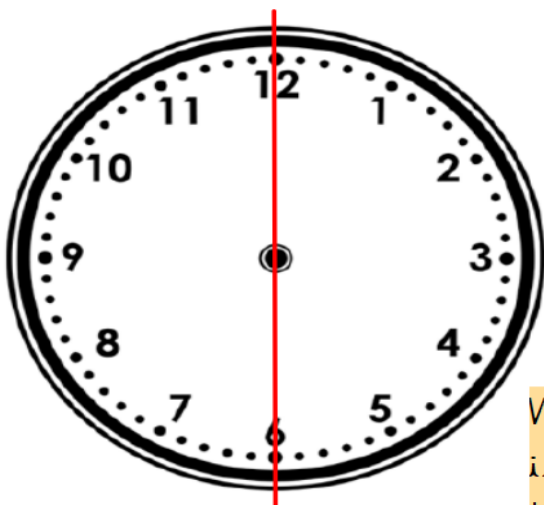
2 o'clock



6 o'clock

Half past the hour.

If we cut this shape into 2 equal parts how much would we have?



When the minute hand is at 12 we say it is o'clock.

When the minute hand is on the 6 we say it is half past.



The hour hand is
HALFWAY between the
hours.

At half past the minute hand points to the 6.

Can you complete the following questions to try out your new learning?

Half Past the Hour



Match the times to the clocks and complete
the sentences.



half past 9

half past three

half past 7

half past ten



The time is half past _____.



The time is half past _____.



The time is half past _____.



The time is half past _____.

Learning to measure and compare time.

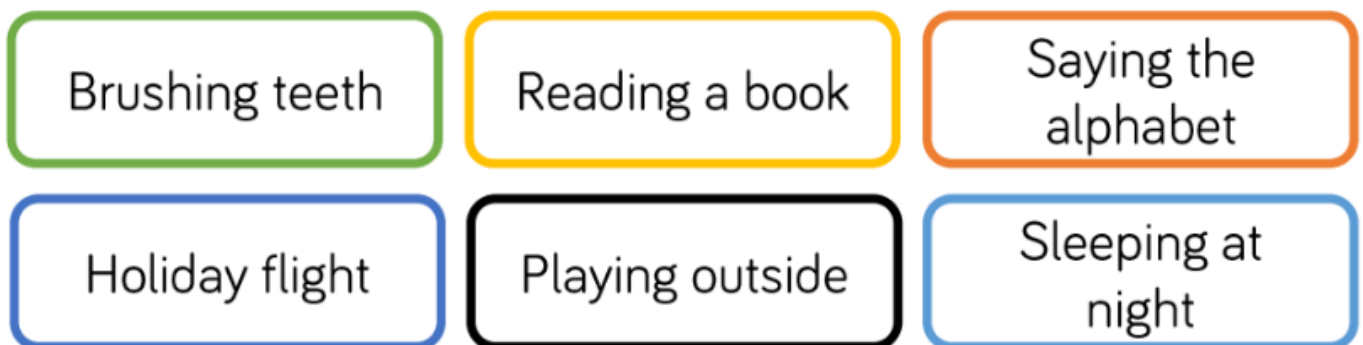
Talk about the number of seconds in a minute, the number of minutes in an hour, the number of hours in a day. What would you measure in seconds? What would you measure in hours?

How many of these can you do in 20 seconds?

- How many star jumps can you do?
- How many hops on the spot?
- How many times can you touch the floor and stand back up again?

Can you think of anything that might take 20 seconds to do?

Would you measure the following activities in seconds, minutes or hours?



Can you think of other examples of activities you would measure in seconds, minutes and hours? Explain your answers using the words longer and shorter.

Comparing time.

Think about the words slower, faster, longer and shorter. What do they mean when you think about time?

To help you think about it have a go at the following questions:

Comparing Times



Three puppies had a race around the park. Here are their times.

Buster	Max	Spot
		
51 seconds	39 seconds	42 seconds

Use the words 'faster' or 'slower' to complete the sentences.

Buster is _____ than Spot.

Max is _____ than Spot.

Spot is _____ than Max.

Max is _____ than Buster.

Which puppies are these clues about?

This puppy was 13 seconds faster than Buster.

This puppy was 9 seconds slower than Spot.

This puppy was 3 seconds slower than Max.

Comparing Times



Complete the sentences using 'longer than', 'shorter than' or 'equal to.'

24 hours is _____ 20 hours.

1 hour is _____ 24 hours.

30 seconds is _____ 13 seconds.

1 hour is _____ 1 minute.

1 week is _____ 7 days.

60 seconds is _____ 60 minutes.

Use the words 'earlier' or 'later' to complete these sentences about times in the morning.

8 o'clock is _____ than 9 o'clock.

10 o'clock is _____ than half past 10.

9 o'clock is _____ than 7 o'clock but
_____ than 11 o'clock.

Half past 7 is _____ than 6 o'clock but
_____ than half past 8.

Useful Websites:

<https://www.bbc.co.uk/bitesize/topics/zkh82hv>

<https://www.bbc.co.uk/teach/supermovers/ks1-maths-telling-the-time/zk4t8xs>