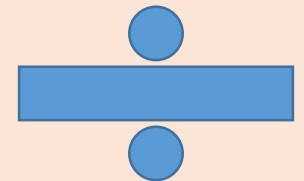
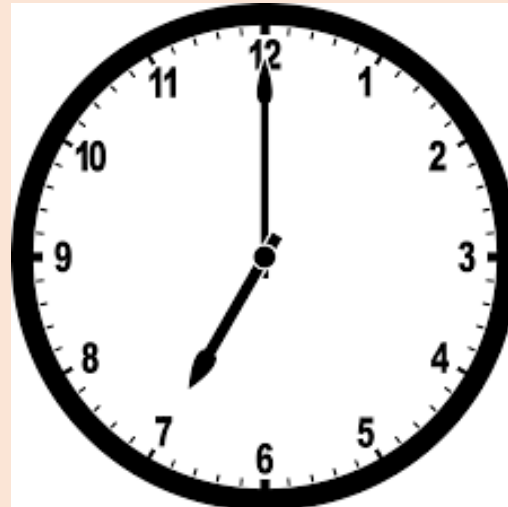
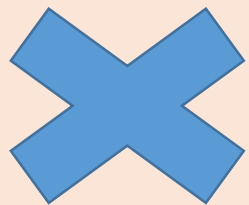
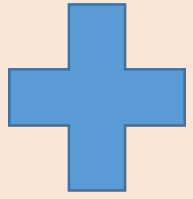


Year 2

Maths

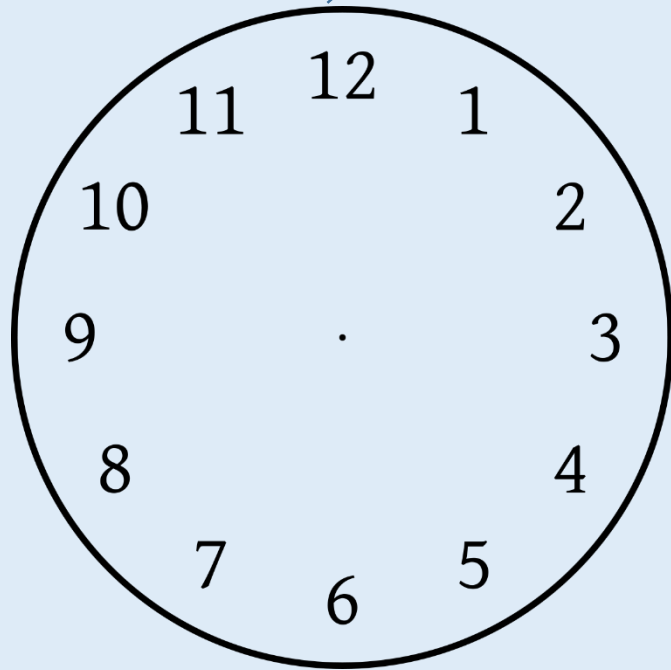
W.B 01.06.20

Time



Day 1 – o'clock

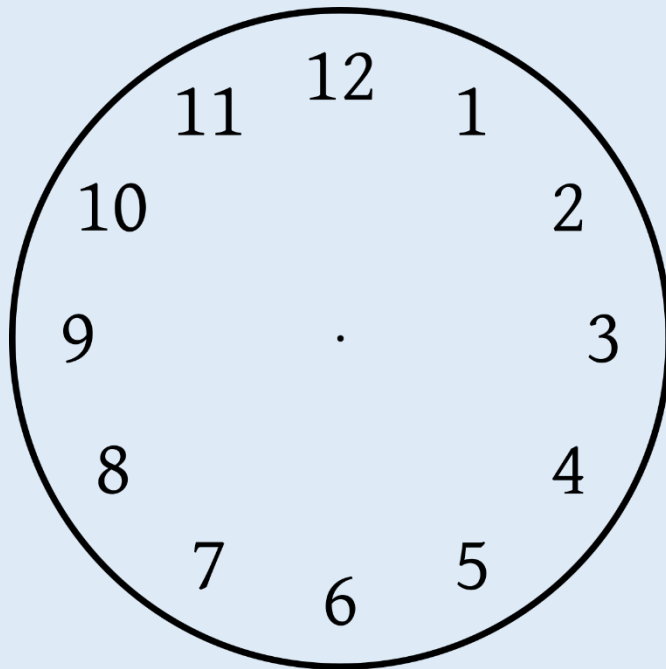
Here is a clock without any hands. Notice how the numbers go from 1 to 12. This is because in time, we go from 1 o'clock to 12 o'clock.



Imagine the time being shown on a number line. Here the hand is pointing somewhere at 3 o'clock. What time will it be in 2 hours time? What time will it be in 3 hours time? What happens when we get to 12 o'clock? Does time stop?



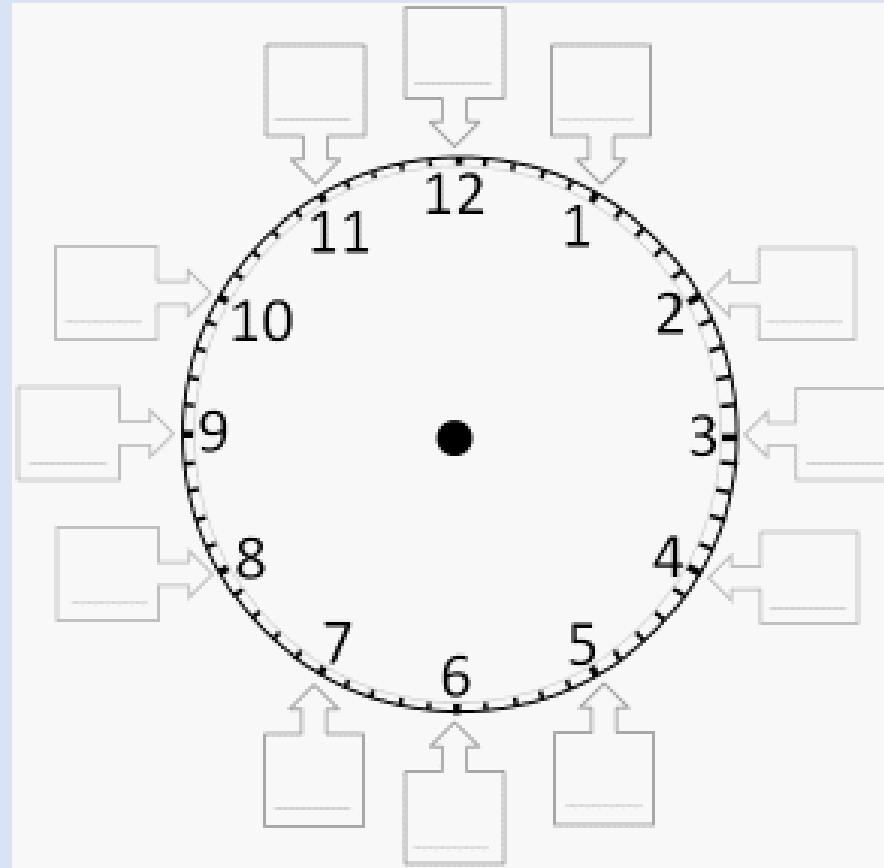
Day 1 – o'clock



No the time doesn't stop at 12. It goes back to 1!

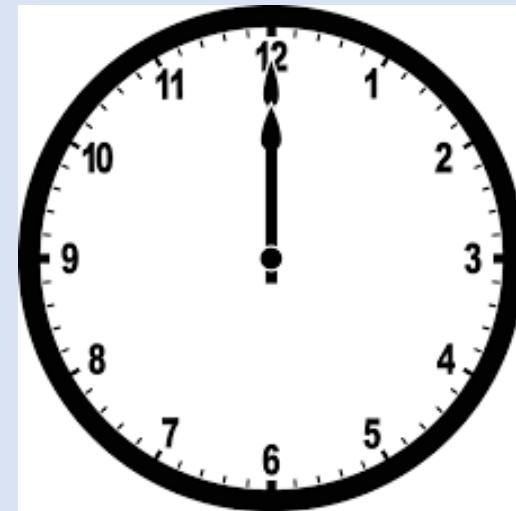
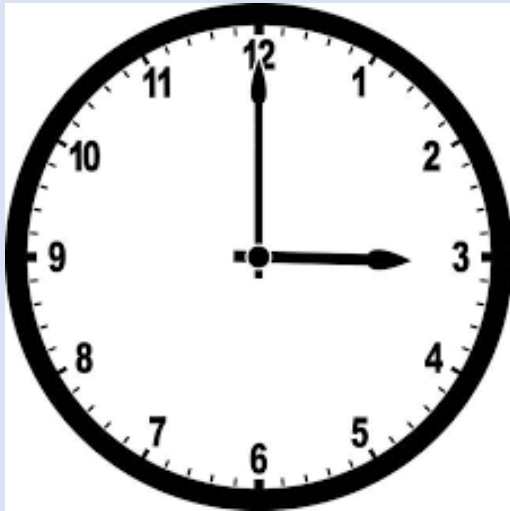
Because the time goes back to 1 after 12, a clock is a number line made into a circle, so it can keep going round, back to 1 after 12.

In one hour, the hour hand (the little hand) moves from one number to the next. Let's practise counting around the clock. Don't forget to start at 1 o'clock!



Now, let's look at the clock with hands on! Today, we are going to be looking at hour hand (the little hand). When it is o'clock, for any hour, the big hand will always point at the 12.

What time is shown on the clocks below?



What time would come 1 hour after 12 o'clock?

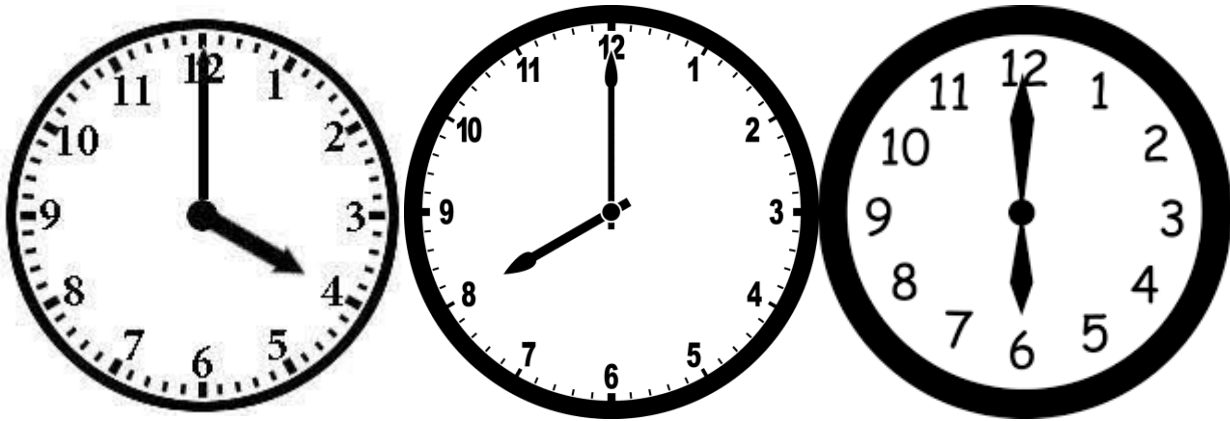
Look at the middle clock. What time would it be 3 hours later?

Look at the first clock. What time was it 2 hours before

Today's tasks

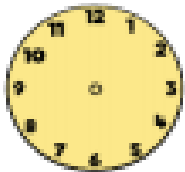
Task 1

What time is shown on the clock's below?

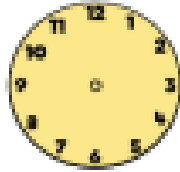


Draw the times on the clocks below.

5 o'clock



1 o'clock



Task 2

When Sam looks at the clock, this is the time she sees.



What time will it be 4 hours after?

What time was it 2 hours before?

Challenges



The time is 3 o'clock.



Amir

Can you spot Amir's mistake?

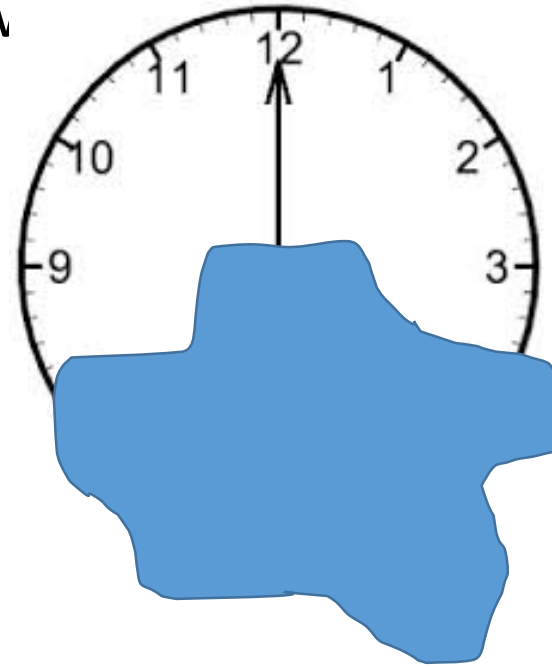
When it is 11 o'clock both hands point at 11



Alex

Is Alex correct?
Explain your reasoning.

Zaid has spilt the ink from his pen all over this clock! He can't tell v



What do you definitely already know about the time on this clock?

What time could it be? Is there more than one answer?

Day 2 – Half past.

Let's have a quick recap from yesterday.

What time's are shown below? Tell someone in your family how you



Let's move onto today's learning.

Remember this number line? This is the number line on a clock before it has moved



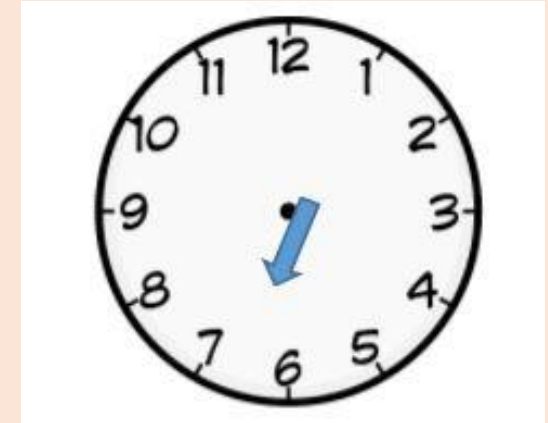
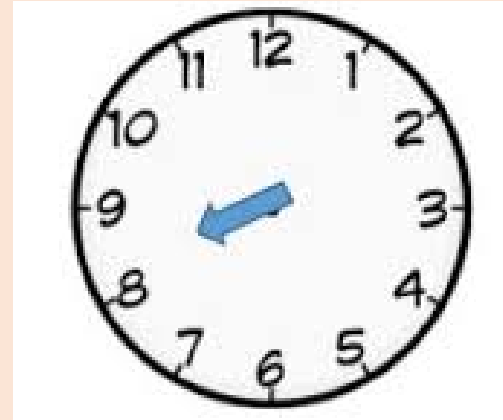
Here, the hour hand has moved half way past the 2, toward 3. Here it is on a



half past 2.

Notice how the hour hand is still half way between 2 and 3, because it is 'half past 2'.

What time do the clocks and number lines show below that only have hour hands on?



Which number line matches one of the clocks?

As the hour hand moves from one number to the next in one hour, the minute hand (the large hand) moves all the way round the clock in that hour.

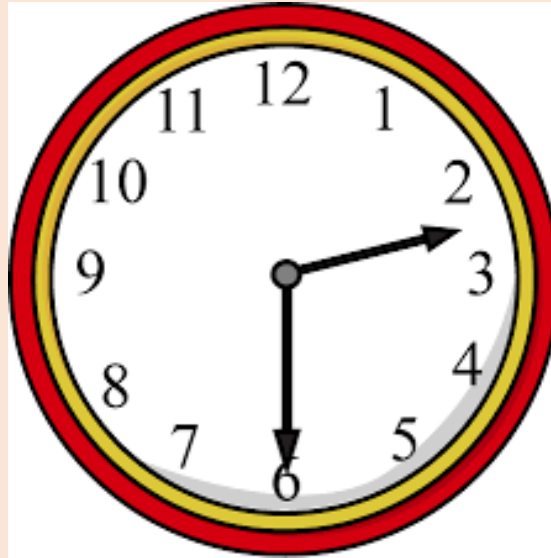
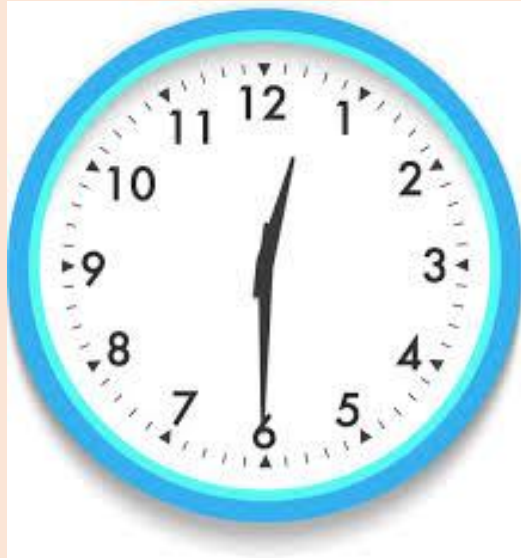


This means that at half past an hour, when the hour hand has moved half way between two numbers, the minute hand is also half way on its journey to the next hour. Therefore, the minute hand is half way around the clock, pointing at the number 6. **Your minute hand *must* be pointing at 6 and the hour hand half way between two numbers for it to be 'half past'.**



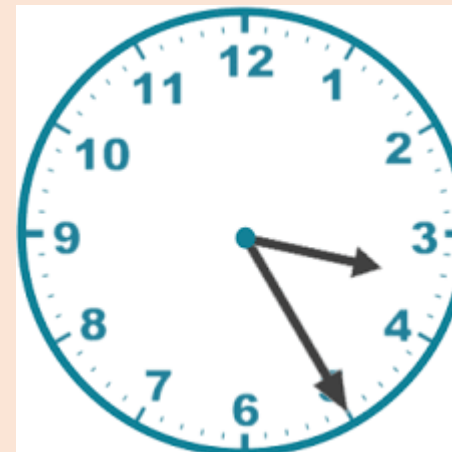
Here, you can see that the hour hand is half way past 8, and the minute hand is half way on its journey around the clock. So this clock shows that it is half past 8.

What time is shown on the clocks below?



Discuss this next part with someone in your family.

Jenny says her clock shows half past 3 because the hour hand looks like is it half way between 3 and 4. Why is she wrong?



Today's tasks.

Remember - Your minute hand *must* be pointing at 6 and the hour hand half way between two numbers for it to be 'half past'.

Match the times to the clocks.



Half past twelve



Half past 2



Half past nine

Complete the times.



The time is half past ____



The time is half past ____

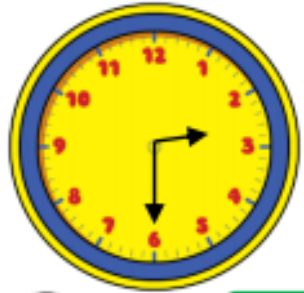
Read the instructions and draw the hands on the clock.

- The minute hand is pointing at the six.
- The hour hand is half way between 10 and 11



What time is it?

Challenges



Who is telling the time correctly?



The time is half past 6

Dora

The time is half past 3



Amir



The time is half past 2

Alex

Can you spot the mistakes they've made?



Oh no! The minute hand has fallen off the classroom clock!

Lunchtime is at 12:00

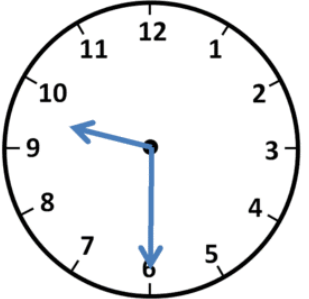
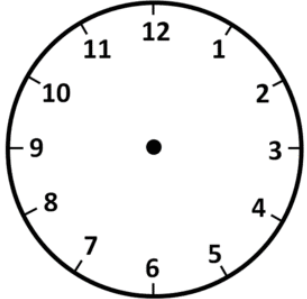
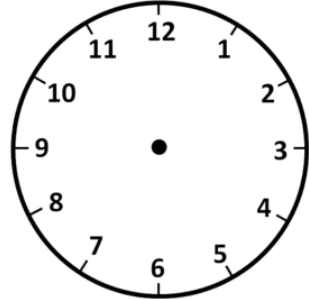
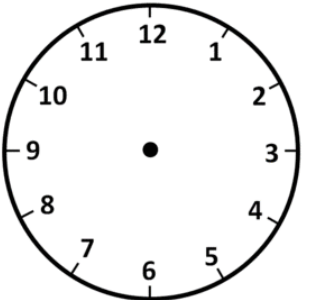
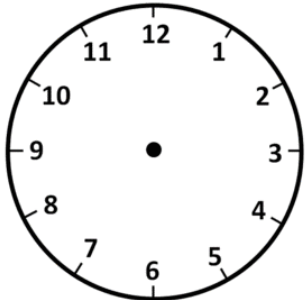
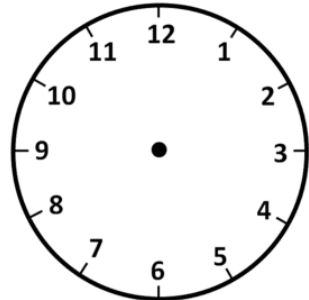
Have the children missed their lunchtime?

It is half past 11 so the hour hand should be on the 11

Is Alex correct?
Explain your reasoning.

Let's have a quick recap from yesterday.

Draw the times shown below. Tell someone in your family how you know. Read the times very carefully!

		
Half past 9	4 o'clock	Half past 3
		
Half past 7	6 o'clock	Half past 12

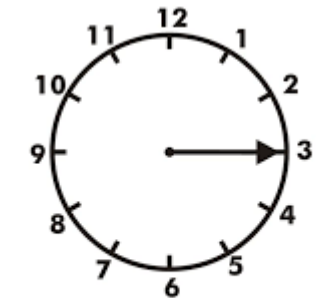
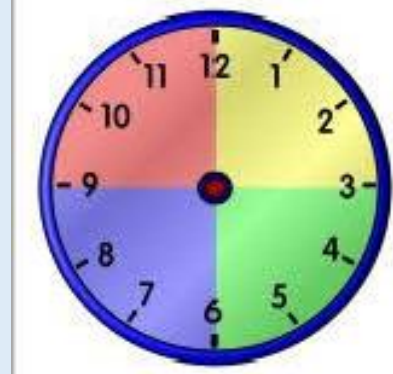
Day 3- Quarter past

In one hour the minute hand travels all the way round the clock.

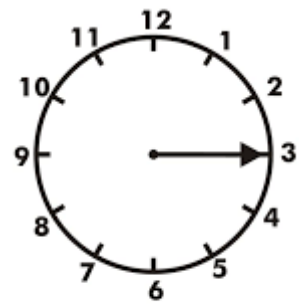
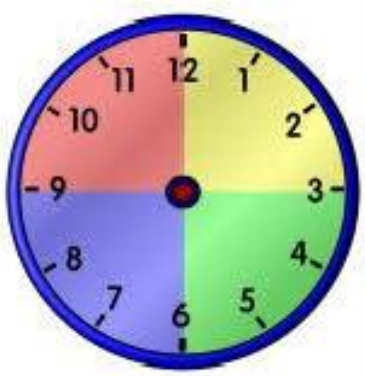
Imagine a clock has been split into quarters (4 equal parts). See the picture below.

In $\frac{1}{4}$ of an hour, the minute hand travels $\frac{1}{4}$ of the way around the clock.

If the minute hand has moved $\frac{1}{4}$ of the way around the clock, it would be pointing at the number 3.



quarter past ...



quarter past ...

At quarter past, the minute hand will **always** be point at 3.

To find out which hour we are quarter past, we have to look at the hour hand.

This clock shows quarter past 6. I know this because the minute hand is pointing at 3 and the hour hand is just past the 6.



The hour hand will always be just past the last hour because it is quarter **past**.

What times are shown below?

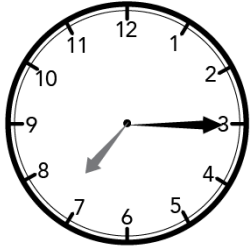


Explain to someone in your family how you know. Make sure you talk about the minute hand **and** the hour hand.

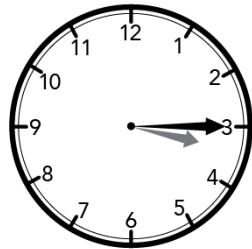
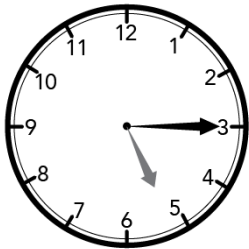
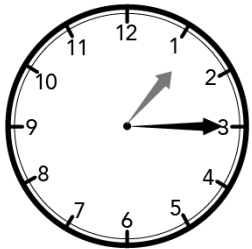
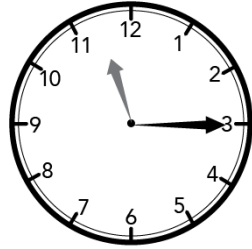
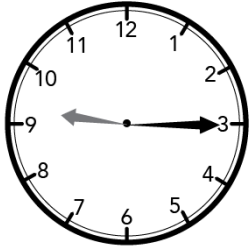
Today's tasks.

The Clock — Quarter Past

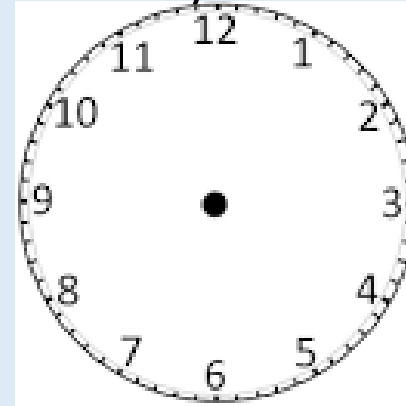
Write the time below each clock.



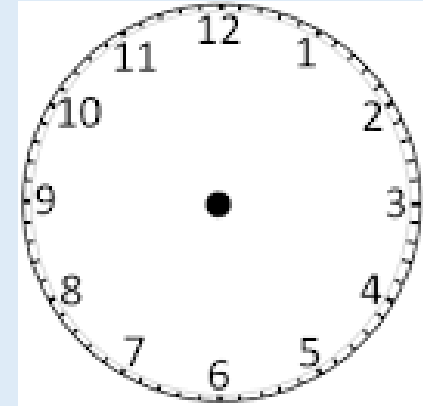
Quarter past 7



Draw the times on the clocks. Don't forget, the hour hand has to be just past the hour, not directly on it!



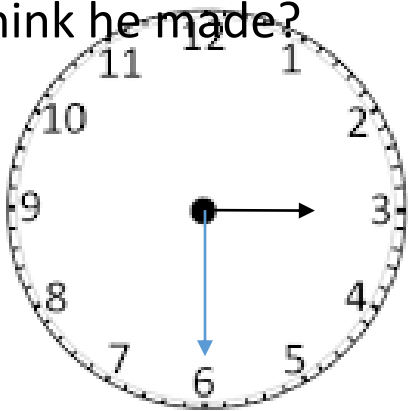
Quarter
past 2



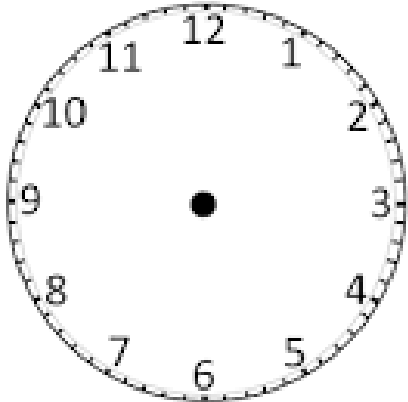
Quarter
past 8

Challenge

James thinks that this clock shows quarter past 6. What mistake do you think he made?

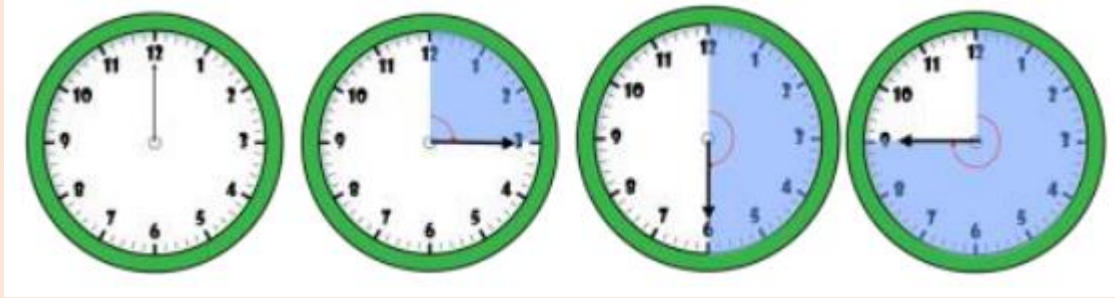


Can you draw the time quarter past 6 correctly on the clock below?



Day 4 – Quarter to

Starter discussion.

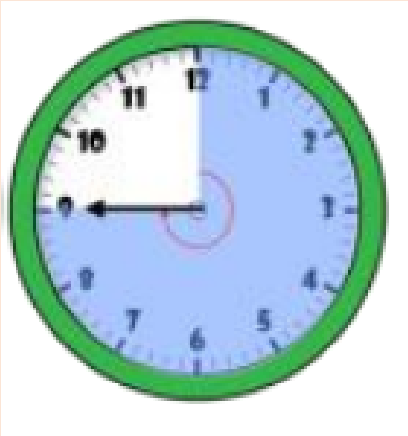


What do you notice about how the minute hand has moved around the clock?

We already know that:

- When the minute hand is point at the 12, like in the first clock, it is 'o'clock'.
- When the minute hand is pointing at the 3, it is quarter past.
- When the minute hand is pointing at the 6, it is half past.

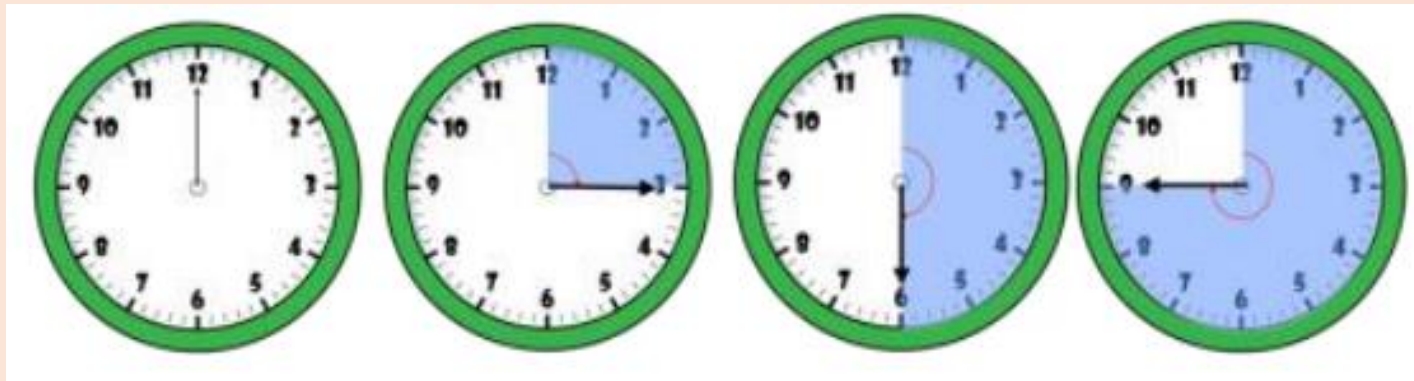
So what about the last picture? The minute hand is pointing at the nine....



When the minute hand is pointing at the nine, it has travelled $\frac{3}{4}$ of the way around the clock. This means there is only $\frac{1}{4}$ left until we get to the next hour.

So, we call this 'quarter to'. Can you say that?

Let's count round the clock together. It might help to point at the minute hand as you do it.



O'clock

Quarter past

Half past

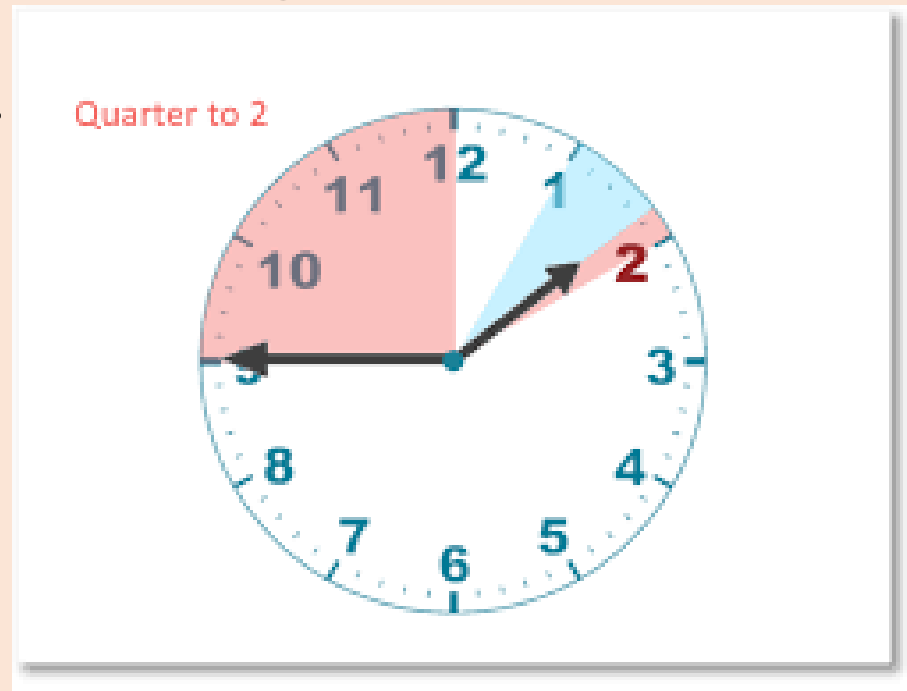
Quarter to

So, now we know that at quarter to, the minute hand will always be pointing to the 9, what do we need to do with the hour hand?

Quarter to works differently to quarter past and half past.

We don't look at the number the hour hand has passed, we look at the number that the hour hand is moving towards.

Look at the clock below.



This clock shows the time quarter to 2.

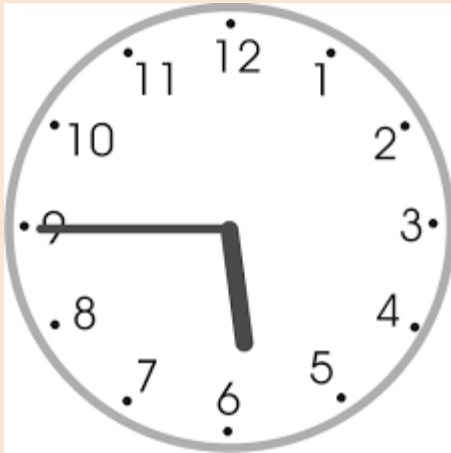
The reason we say the number the hour hand is about to reach is because quarter to 2 means there is 'one quarter of an hour left until 2 o'clock'.

Steps to Success:

- 1) The minute hand is pointing at the number 9.
- 2) We say the number that the hour hand is **about to reach**.

What time is shown below?

Explain to someone at home how you know. Make sure you talk about both hands!



Discussion



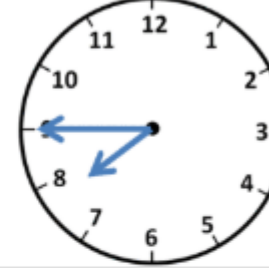


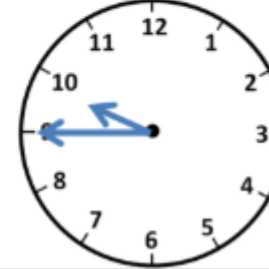
Sam says this clock shows the time quarter to 2.

What mistake do you think he made?

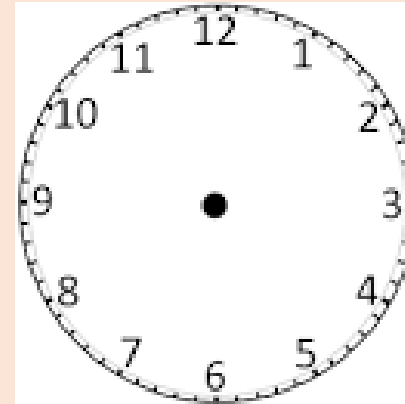


Today's tasks

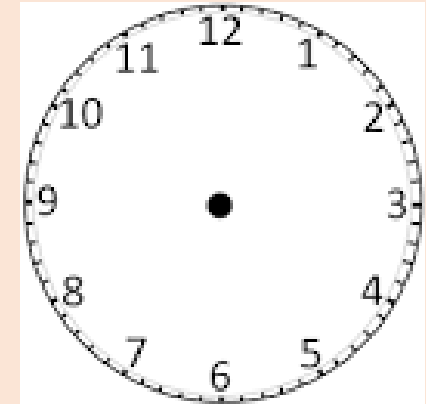
Write the correct time underneath each clock. The first one has been done for you.

		
Quarter to 4	Quarter to ___	Quarter to ___
		
Quarter to ___	Quarter to ___	Quarter to ___

Draw the times on the clocks. Don't forget, the hour hand has to be just before the hour, not directly on it!



Quarter to
7



Quarter to
1

Challenges



Quarter past is always later than quarter to.

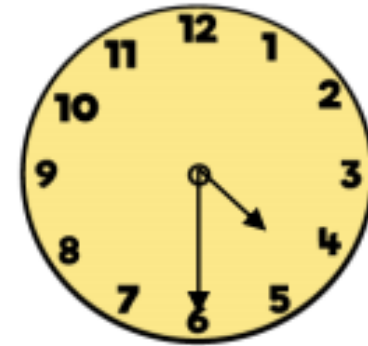
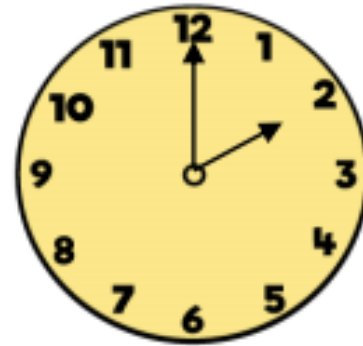
Do you agree with Teddy?
Explain why.

How many quarters of an hour are between 7 o'clock and 9 o'clock.

Explain how you found the answer.

The train to Blackpool leaves at quarter past and quarter to every hour.

Make a list of the times of the trains Oliver can catch if he gets to the train station between 2 o'clock and half past 4

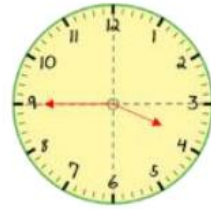
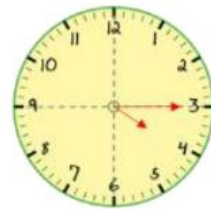


Day 5 – Application of what we've learnt so far.

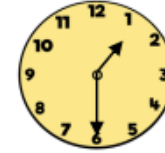
Match the clocks to the correct time.



Quarter to four
 Quarter past four
 Quarter to three
 Quarter past three



What time is it?



It is past

Complete the tables.

5 o'clock	

Half past 4	
1 o'clock	

Complete the table.

The minute hand is pointing to ____ The hour hand is just after ____ The time is <i>quarter</i> ____ <i>seven</i>		The minute hand is pointing to three. The hour hand is just after six. The time is <i>quarter past six</i> .	
The minute hand is pointing to ____ The hour hand is just before ____. The time is <i>quarter</i> ____ <i>two</i> .		The minute hand is pointing to nine. The hour hand is just ____ twelve. The time is <i>quarter to twelve</i> .	