

Maths Home Learning

Week beginning 8/3/21

This week...

Day 1 - Mental Maths

Day 2 - Reviewing - Time

Day 3 - Reviewing - Time

Day 4 - Reviewing - Time

Day 5 - Reviewing - Time

Day 1
Mental Maths

Odd and even

- What is an EVEN number?
- An even number is a number that can be divided (or shared) into 2 equal groups.
- 0,2,4,6,8 are all even numbers.
- Numbers that end in 2,4,6,8 or 0
- will always be even numbers.

Odd and even

- What is an ODD number?
- An odd number is a number that cannot be divided (or shared) into 2 equal groups.
- 1,3,5,7,9 are all odd numbers.
- Numbers that end in 1,3,5,7 or 9
- will always be odd numbers.

Home Learning Books

- Make 2 columns in your home learning book like this:

Odd

Even

- Then sort these numbers into odd or even.
- Remember to look back over the slides if you cannot remember which is an odd and which is an even number.

Odd

Even

- 3 10 17 63 8 25 9
- 123 56 78 70 95 626

Odd

3
17
63
25
9
123
95

Even

10
8
56
78
70
626

- *How did you do?*

Time Facts

- This week we are reviewing time.
- Here are some facts for you to try and remember:
- There are 60 seconds in 1 minute.
- There are 60 minutes in 1 hour.
- There are 24 hours in 1 day.
- There are 7 days in 1 week.
- There are 12 months of the year.

Time Facts

- In your home learning books write down the names of the days of the week.
- In your home learning books, write down the names of the months of the year.
- Which month is your birthday in?

Days of the week.

- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday
- Sunday

Months of the year.

- January February March
- April May June
- July August September
- October November December

Day 2

Time -Hours

Arithmetic

Let's practise our 2x

$1 \times 2 =$ $6 \times 2 =$

$2 \times 2 =$ $7 \times 2 =$

$3 \times 2 =$ $8 \times 2 =$

$4 \times 2 =$ $9 \times 2 =$

$5 \times 2 =$ $10 \times 2 =$

Telling the time.

- In Year 2 we are remembering how to tell the time using an analogue clock.
- Remember an analogue clock looks like this:



Telling the time

- Do you have an analogue clock at home? If you do, take some time to look at it.
- Ask your family to help you to write down what time you get up, have breakfast, have lunch and go to bed.

Clocks

- Analogue clocks are round and the numbers go in a circle from the number 1 to 12.
- The number 12 is at the top and the number 6 is at the bottom.
- They have 2 hands on the clock to help us tell the time.

Telling the time - hours

- Think about the clock as a number line that has been turned into a circle.
- First we will look at the numbers in a line to work out times to the hour.

Hours

- First we put our numbers 1-12 in a line.
- We then draw an arrow which is our "hand" to help us tell what hour it is.

It will look like this:



The hand is pointing at the 3

We don't say "3 hours" we say "3 o'clock."

Hours

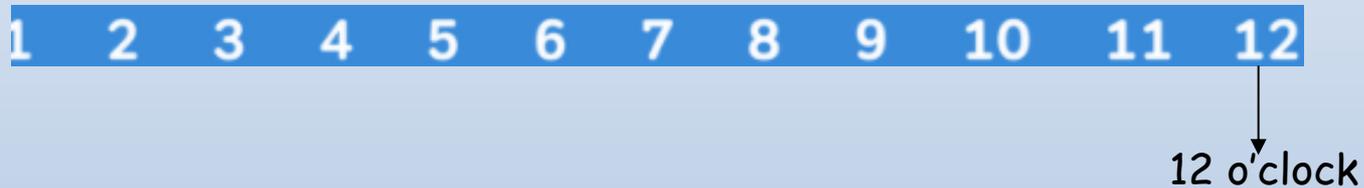
- Next use your finger or a pencil to be the arrow and move it along the time numberline to the next number.
- Say out loud what hour it will be **1 hour later**.
- Example:



↓
4 o'clock

Hours

Keep going until you reach the number 12.
This will be 12 o'clock.



What number will be **1 hour later** than 12 o'clock?

We do not have a number 13 so it cannot be 13 o'clock so we have to go back to the number 1 so it will be 1 o'clock.

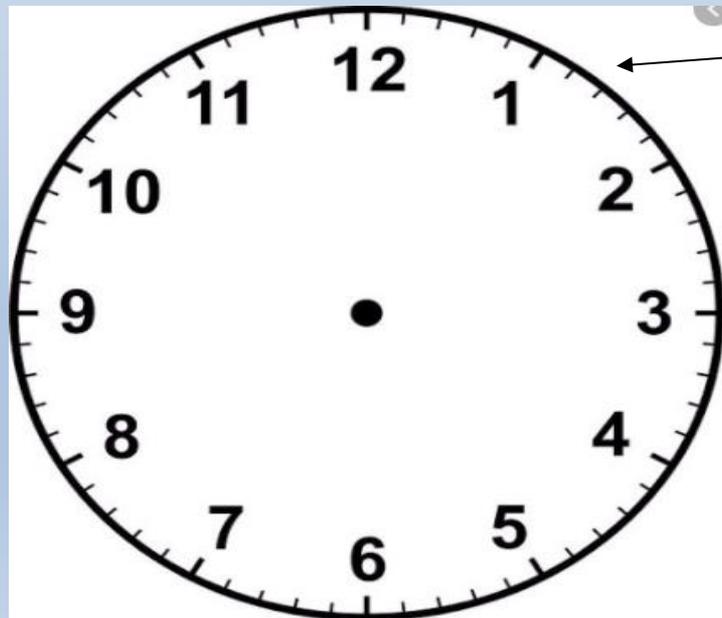
WE MOVE THE NUMBERS INTO A CIRCLE TO MAKE OUR CLOCK.

I do - Hours

So look again at our clock.

Can you see the numbers go around (in a circle) from 1-12 just like our numberline ?

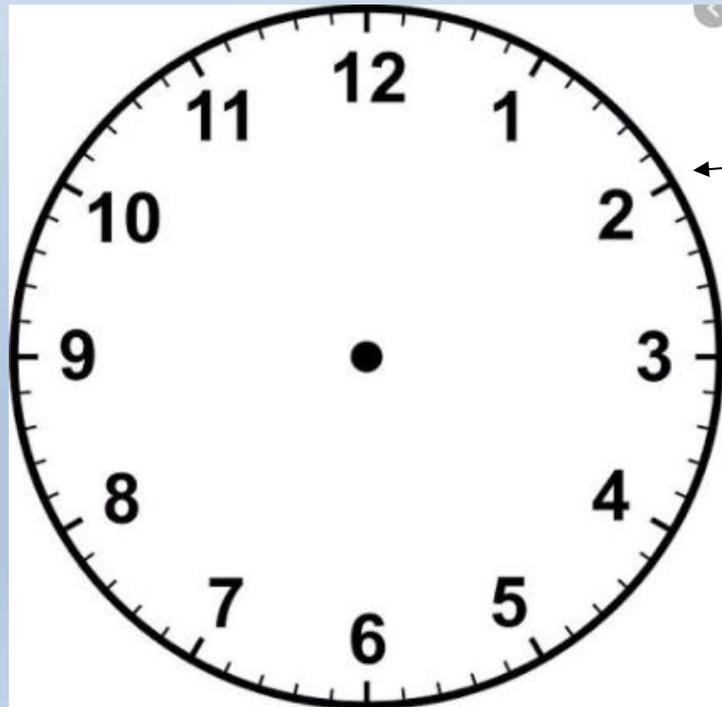
Do the same thing again and put your finger on the number 1.



← This is 1 o'clock:

We do -Hours

Using your finger, point at each number in turn and say what it is **1 hour later**.



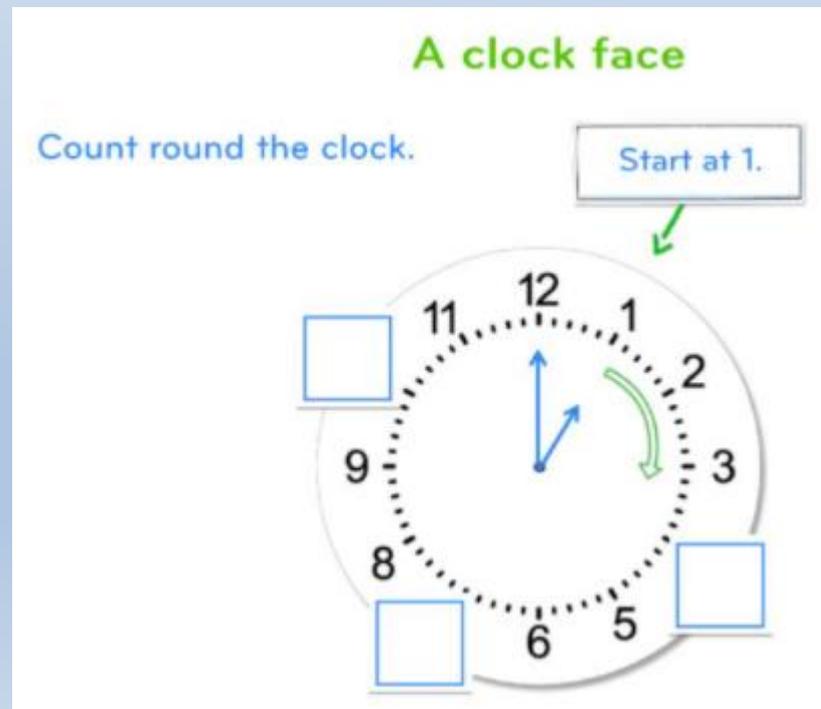
← 2 o'clock

You do -Hours

Draw a clock face in your home learning book: Make it big enough to be able to read it properly. Ask a grown up to help you.

(You could find something round like the bottom of a cup or a small plate to draw around).

Then add in the missing hours using what you have learned so far.



Hours

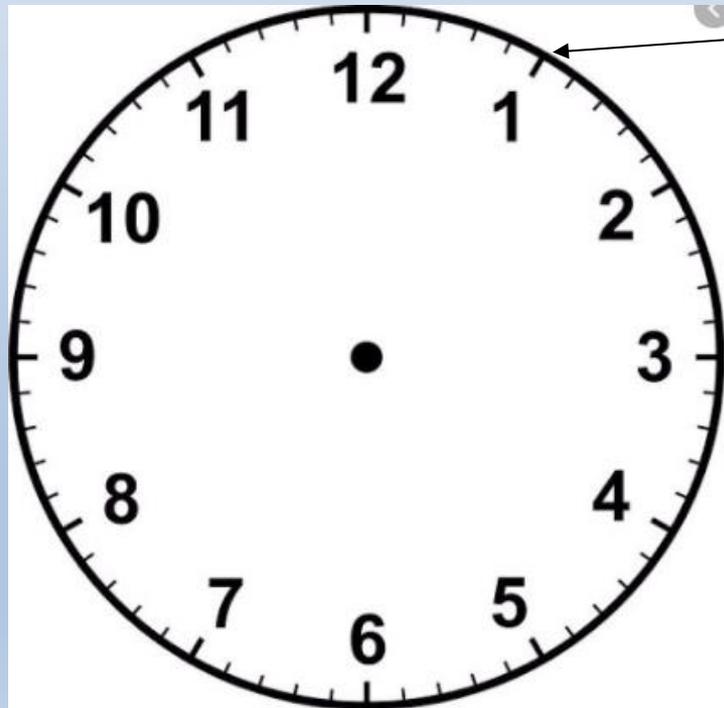
Now we can look at what time it will be 2 hours later and so on.

This will help us to answer questions about time.

Starting again at the number 1 (remember this is 1 o'clock), this time we are going to move our finger 2 numbers away to find out what time it will be 2 hours later:

I do - Hours

Starting again at the number 1 (remember this is 1 o'clock), this time I am going to move my finger 2 numbers away to find out what time it will be 2 hours later:



start at 1
(1 o'clock)

end at 3
(3 o'clock)

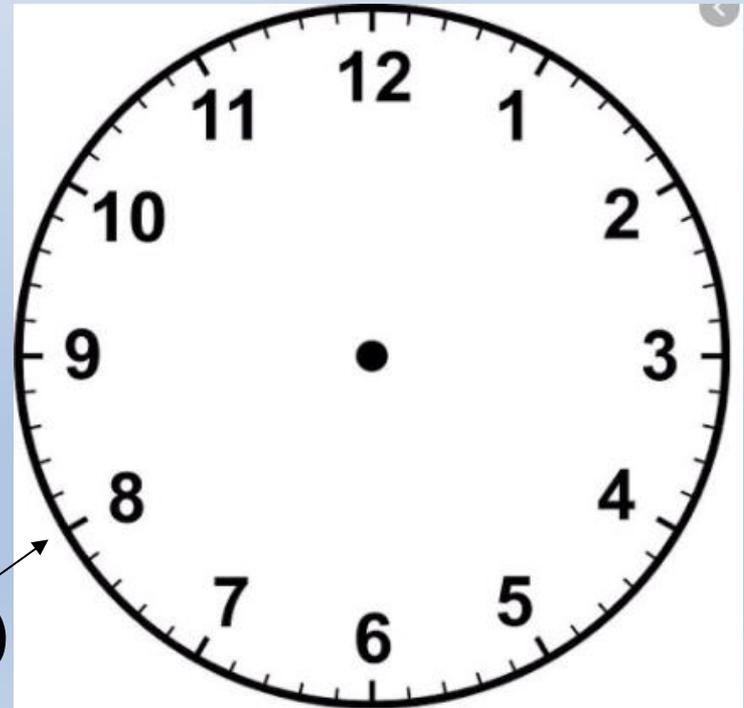
I have moved my finger on 2 numbers.

We do - Hours

Starting again at the number 8 (remember this is 8 o'clock), let's move our finger 2 numbers away to find out what time it will be 2 hours later:
start at 8.

What time will it be 2 hours later?

start at 8
(8 o'clock)



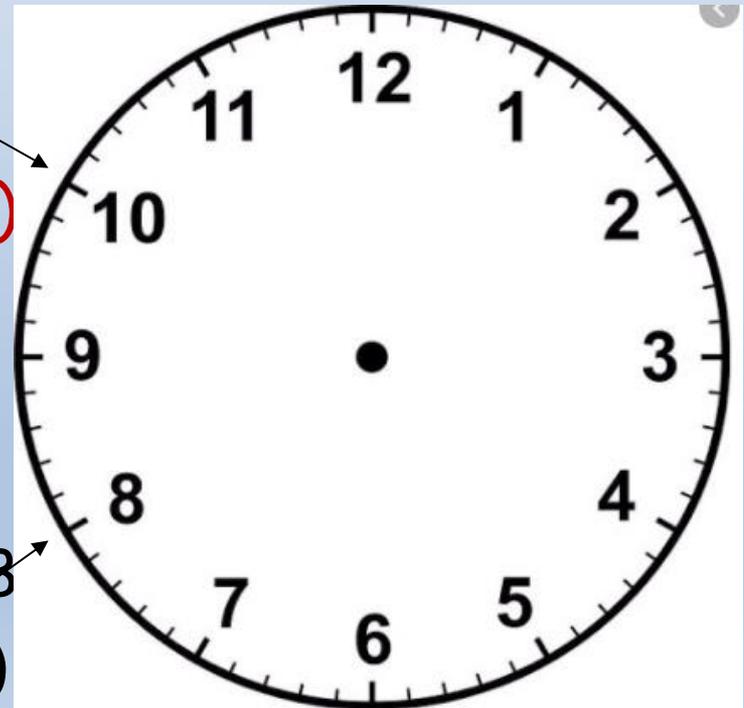
We do - Hours

How did you do?
start at 8.

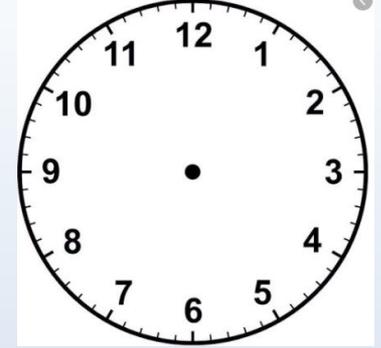
What time will it be 2 hours
later? **10 o'clock**

end at 10
(10 o'clock)

start at 8
(8 o'clock)



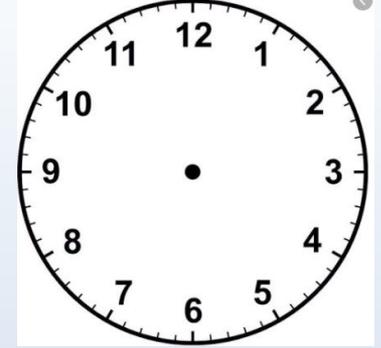
You do - Hours



In your learning books use your clock that you have drawn or the one here to write down your answers to the following questions.

- 1) Start at 6 o'clock. What time will it be 1 hour later?
- 2) Start at 8 o'clock. What time will it be 1 hour later?
- 3) Start at 11 o'clock. What time will it be 1 hour later?
- 4) Start at 3 o'clock. What time will it be 2 hours later?
- 5) **CHALLENGE:** Start at 7 o'clock. What time will it be 3 hours later?

How did you do?



In your learning books use your clock that you have drawn or the one here to write down your answers to the following questions.

- 1) Start at 6 o'clock. What time will it be 1 hour later?
7 o'clock
- 2) Start at 8 o'clock. What time will it be 1 hour later?
9 o'clock
- 3) Start at 11 o'clock. What time will it be 1 hour later?
12 o'clock
- 4) Start at 3 o'clock. What time will it be 2 hours later?
5 o'clock
- 6) **CHALLENGE:** Start at 7 o'clock. What time will it be 3 hours later?
10 o'clock

Time- Hours

On a clock the way we show the hours are by using a arrow that is called a hand.

There are 2 hands on a clock.

The small hand points to the hour it is.

The big hand tells us the minutes.

Time- Hours

It looks like this:

If the big hand (minute hand) is pointing to the number 12 it means it is something o'clock. The small hand (hour hand) tells us what hour it is.



So this clock is showing 1 o'clock.

Time- Hours

Re- watch this video.

Can you answer the questions about what time it is?

[Learn to Tell Time #1 | Telling the Time Practice for Children | What's the Time? | Fun Kids English – YouTube](#)

Hours

Keep practicing this until you are confident with your hours.

You could make it into a game with other people in your house and ask each other questions.

See who can score the most points.

You could even have a prize like the winner can have a drink or snack made for them.

Tomorrow you will be finding out how to find hours earlier.

Hours (Earlier)

Time- Hour

- Look at your clock carefully.
- Today we are still looking at hours and we are going to try and answer some questions about it.

Time- Hour

So we have looked at our clock to find out what time it is later.

Next we need to work out what is 1 or 2 hours or more **earlier**.

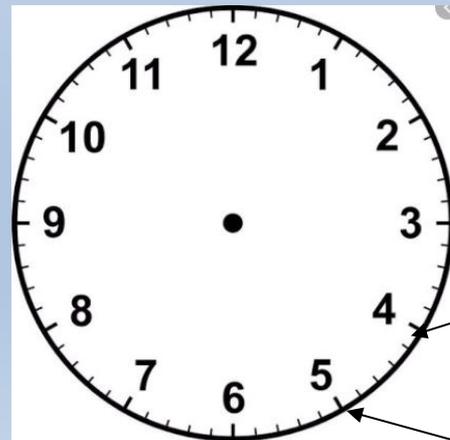
We do this by counting backwards using our clock.

Time- Hour

Re-cap hours later: Look at your clock in your learning book or use the clock here.

Put your finger on the number 4.

To find **1 hour later** we would move our finger 1 number **forward** and the answer would be 5 o'clock.



4 o'clock (start)

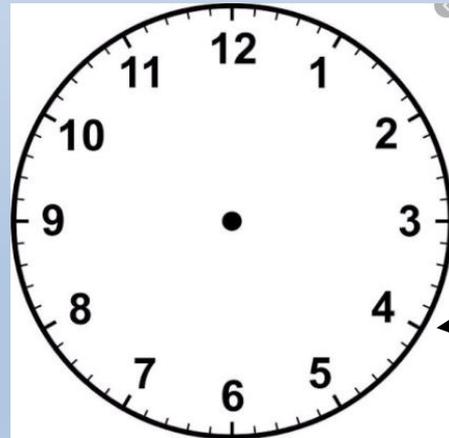
5 o'clock (end)

Time- Hour

Now look at your clock in your learning book or use the clock here.

Put your finger on the number 4.

To find **1 hour earlier** we would move our finger 1 number **backwards** and the answer would be 3 o'clock.



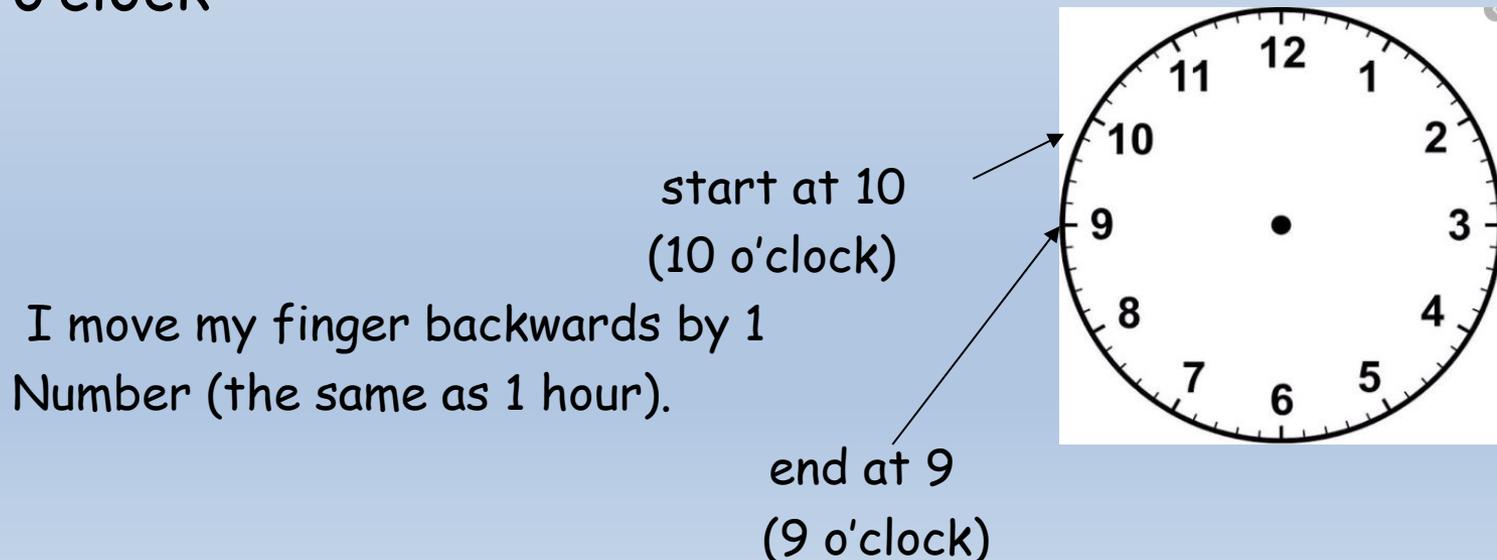
3 o'clock(end)

4o'clock(start)

I do -Time-

Practice this by going **backwards** around the clock and working out **1 hour earlier** by moving your finger **backwards**.

Example: what is 1 hour earlier than 10 o'clock? = 9 o'clock



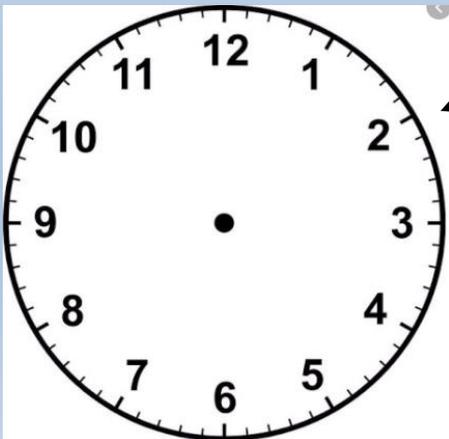
We do -Time- Hour

Practice this by going **backwards** around the clock and working out **1 hour earlier** by moving your finger **backwards**.

What is 1 **hour earlier** than earlier than 2 o'clock?

start at 2 (2 o'clock)

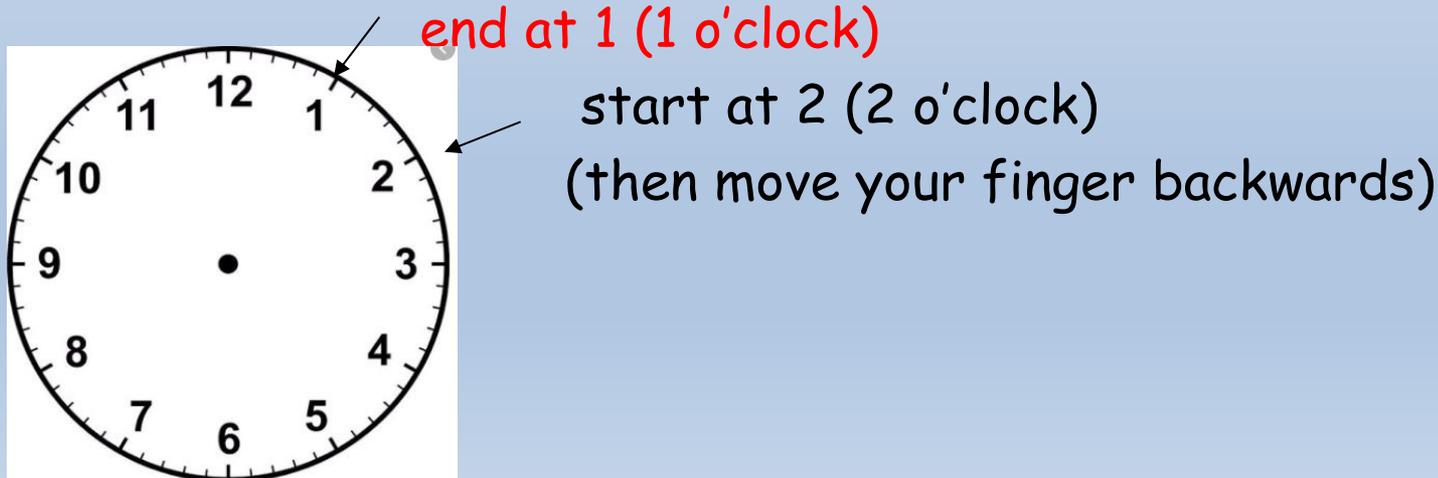
(then move your finger backwards)



How did you do? -Time- Hour

Practice this by going **backwards** around the clock and working out **1 hour earlier** by moving your finger **backwards**.

What is 1 hour earlier than 2 o'clock? = **1 o'clock**



You do - -Time- Hour

In your learning books use your clock that you have drawn or the one here to write down your answers to the following questions.

- 1) Start at 6 o'clock. What time will it be 1 hour earlier?
- 2) Start at 3 o'clock. What time will it be 1 hour earlier?
- 3) Start at 11 o'clock. What time will it be 1 hour earlier?
- 4) Start at 5 o'clock. What time will it be 2 hours earlier?
- 5) **CHALLENGE:** Start at 7 o'clock. What time will it be 3 hours earlier?

You do - -Time- Hour

In your learning books use your clock that you have drawn or the one here to write down your answers to the following questions.

- 1) Start at 6 o'clock. What time will it be 1 hour earlier? 5 o'clock
- 2) Start at 3 o'clock. What time will it be 1 hour earlier? 2 o'clock
- 3) Start at 11 o'clock. What time will it be 1 hour earlier? 10 o'clock
- 4) Start at 5 o'clock. What time will it be 2 hours earlier?
3 o'clock
- 1) **CHALLENGE:** Start at 7 o'clock. What time will it be 3 hours earlier? 4 o'clock

Time- Hours later and hours earlier

Keep practicing this until you are confident with your hours.

You could make it into a game with other people in your house and ask each other questions.

See who can score the most points.

Ask questions about how many hours later and how many hours earlier.

Day 3 Time

Half past

Arithmetic

Let's practise our 5x

$1 \times 5 =$ $6 \times 5 =$

$2 \times 5 =$ $7 \times 5 =$

$3 \times 5 =$ $8 \times 5 =$

$4 \times 5 =$ $9 \times 5 =$

$5 \times 5 =$ $10 \times 5 =$

Time- half past the hour

- Once you can answer questions about telling time to the hour we can learn about half past.
- Half past is half way between 2 numbers.

Time- half past the hour

Let's go back to our numberline to help understand what is half way between 2 numbers.

I will position the arrow (hand) half way "past" the 2 and the 3.



This shows it is half past 2. (The hand is half way past the 2). The hand is half way between 2 numbers.

Time- half past the hour

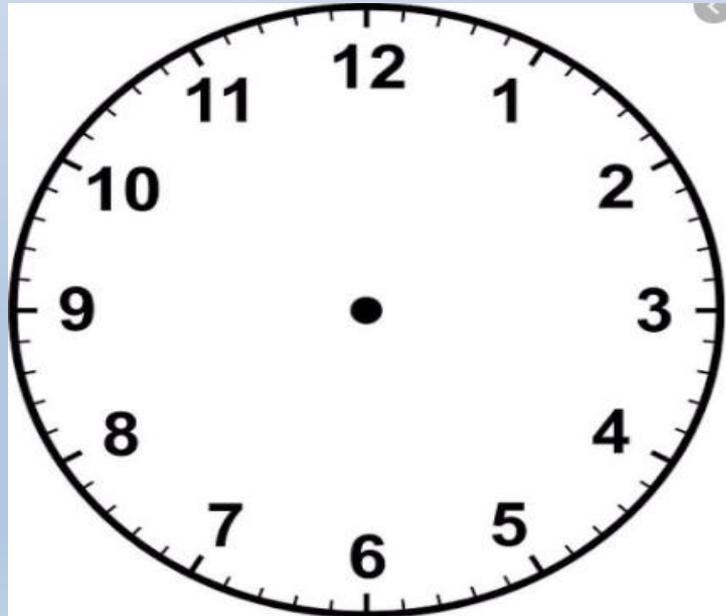
Practice moving your finger between 2 numbers and saying "It is half past (hat number)"

1 2 3 4 5 6 7 8 9 10 11 12

Time- half past the hour

Now we can move our numbers from the line into a circle to show our clock. Like this.

Draw a new clock in your home learning book.



I do-Time- half past the hour

We can now start to practice half past the hour. Look carefully at where the hands are pointing on the clock.

Remember the small hand is the hours hand

Look! The big hand has moved
from the 12 to the 6.

The small hand (hours hand) is between
the number 2 and the number 3.

This means it is half past
the hour.

This clock is showing half past 2.



Time- half past the hour

Draw this example in your home learning book.

This clock is showing half past 2.



We do -Time- half past the hour.

Let's look at this clock:



Ask yourself these questions:

First- Where is the big hand (minute hand) pointing?

Is it pointing to the number 6?

Then I know it is half past something.

Next- Where is the small hand (hour hand) pointing between?

Look at the first number it is between.

This tells me the hour.

How did you do? -Time- half past the hour.

The big hand (minute hand) IS pointing to 6 so it is half past the hour.

The small hand (hour hand) IS pointing between the numbers 7 and 8.

The first of these numbers is 7 so:

The answer is Half past 7.

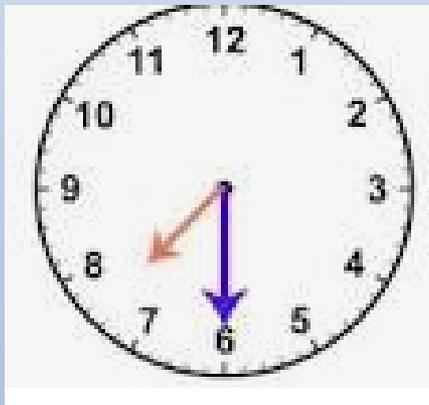


You do -Time- half past the hour.

Look at these times on your clock.

What time are they showing?

Write down your answers in your home learning books.

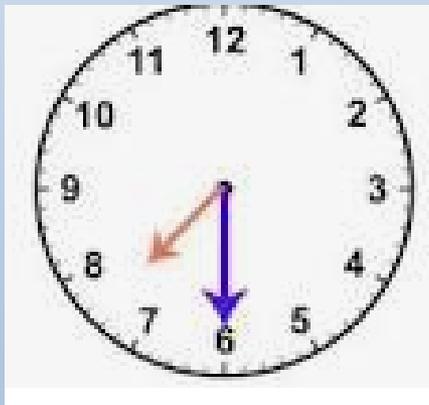


How did you do? -Time- half past the hour.

Look at these times on your clock.

What time are they showing?

Write down your answers in your home learning books.



Half past 7



Half past 12



Half past 11

Day 4

Quarter past and
quarter to.

Let's practise our times
tables from this week

Complete these in your home learning books

$2 \times 10 =$

$5 \times 2 =$

$4 \times 5 =$

$7 \times 10 =$

$1 \times 2 =$

$10 \times 5 =$

$9 \times 10 =$

$1 \times 2 =$

$2 \times 5 =$

$10 \times 10 =$

$0 \times 10 =$

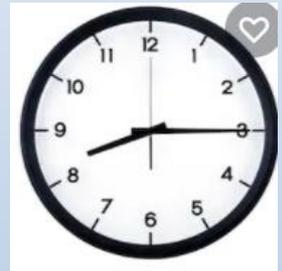
$6 \times 2 =$

Time- quarter past and quarter to.

- Now we have learned to tell the time to the hour and half past we can look at quarter past and quarter to.
- First look at what you did yesterday to remind you when the minute hand (big hand) is pointing to the 6 it means it is half past.

Time- quarter past and quarter to.

- If the minute hand (big hand) is pointing to the 3 it means it is quarter past the hour.



- If the minute hand (small hand) is pointing to the 9 it means it is quarter to the hour.



Time- quarter past.

Look at this clock.

The hour hand (big hand) is pointing to the number 3.

This means it is quarter past.
But quarter past what?



Look at the minute hand (small hand).
It is just after the number 12.

This means the time is quarter past 12.

Time- quarter past.

I do - what time is this?

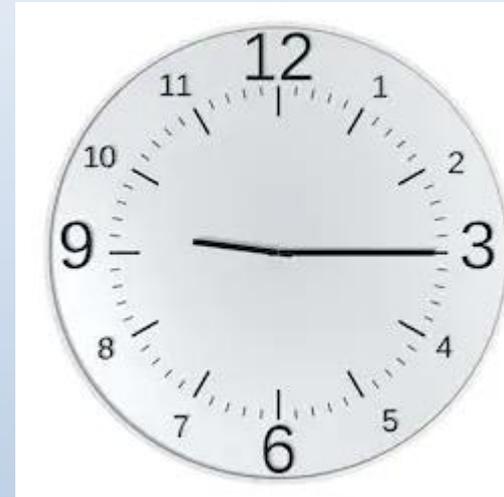
I looked at the hour hand

(big hand) and it is pointing to 3.

So I know it is quarter past something.

I look at the minute hand (small hand) and it is pointing just after 9.

So I know the time is quarter past 9.



Time- quarter past.

We do - what time is this?

Look at the hour hand
(big hand). What is it pointing to?
Ask yourself is it quarter to or
quarter past?



Look at the minute hand (small hand). What is it pointing to?

What time is it showing?

How did you do? Time- quarter past.

The answer is quarter past 7.

The hour hand (big hand). It is pointing to 3 so it is quarter past.

The minute hand (small hand) is just after 7.



Time- quarter past.

You do - what time is this?

Look at the hour hand
(big hand). What is it pointing to?
Ask yourself is it quarter to or
quarter past?



Look at the minute hand (small hand). What is it pointing to?

What time is it showing?

How did you do? Time- quarter past.

The answer is quarter past 8.

The hour hand (big hand). It is pointing to 3 so it is quarter past.

The minute hand (small hand) is just after 8.



Time- quarter to.

Look at this clock.

The hour hand (big hand) is pointing to the number 9.

This means it is quarter to.
But quarter to what?



Look at the minute hand (small hand).
It is pointing to the number 12.

This means the time is quarter to 12.

Time- quarter to.

I do - what time is this?

I looked at the hour hand

(big hand) and it is pointing to 9.

So I know it is quarter to something.

I look at the minute hand (small hand) and it is pointing just before the 2.

So I know the time is quarter to 2.



Time.

We do - what time is this?

Look at the hour hand
(big hand). What is it pointing to?
Ask yourself is it quarter to or
quarter past?



Look at the minute hand (small hand). What is it pointing to?

What time is it showing?

How did you do?

The answer is quarter to 10.

The hour hand (big hand). It is pointing to 9 so it is quarter to.

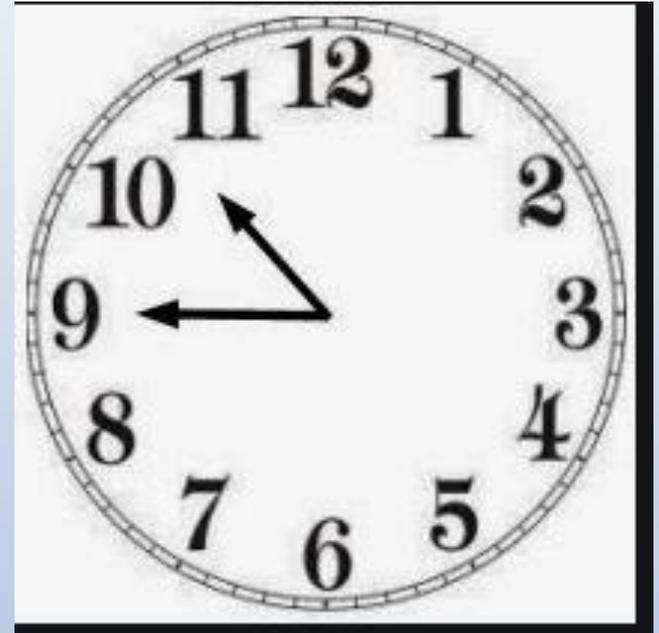
The minute hand (small hand) is just Before 10.



Time- quarter past.

You do - what time is this?

Look at the hour hand
(big hand). What is it pointing to?
Ask yourself is it quarter to or
quarter past?



Look at the minute hand (small hand). What is it pointing to?

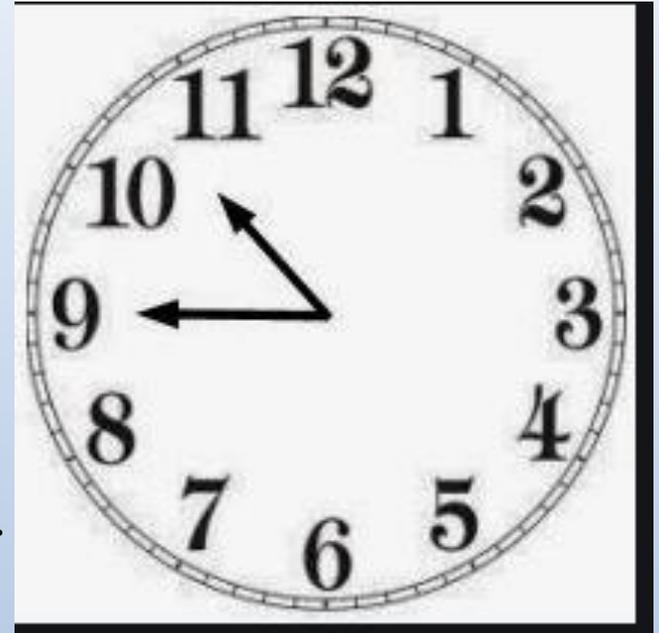
What time is it showing? Draw the clock and write the answer in your home learning book.

How did you do?

The answer is quarter to 11.

The hour hand (big hand). It is pointing to 9 so it is quarter to.

The minute hand (small hand) is just Before 11.



For further learning please
watch this video

- [How to tell the time - BBC Bitesize](#)

Time

Day 5

5 minutes past

and to

What can you remember about time?

- How many minutes are there in 1 hour?
 - How many hours are there in 1 day?
 - How many days of the week are there?
 - How many months of the year are there?
-
- Check your answers from earlier in the week.

Time 5 minutes

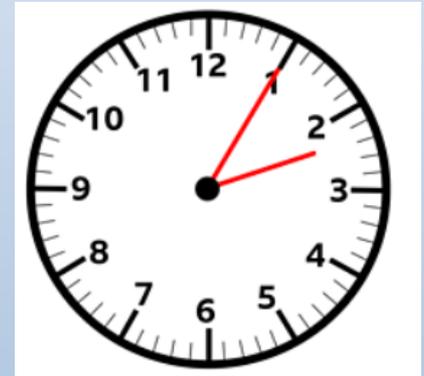
- Now you can tell the time to the hour, half past and quarter past and quarter to, we need to learn how to tell the time to 5 minutes.
- (Don't worry if you still need to practice the others , we all need to keep practicing).

Telling the time to 5 minutes

- When the minute hand (big hand) on a clock moves from one number to the next, it has moved 5 minutes.
- There are 12 numbers around the clock face, and each space between them is 5 minutes, so there are $12 \times 5 = 60$ minutes in an hour.

- Look at this clock, look at where the minute hand(big hand) is pointing. It is pointing at the 1.

This clock shows 5 minutes past 2 o'clock OR 5 past 2.



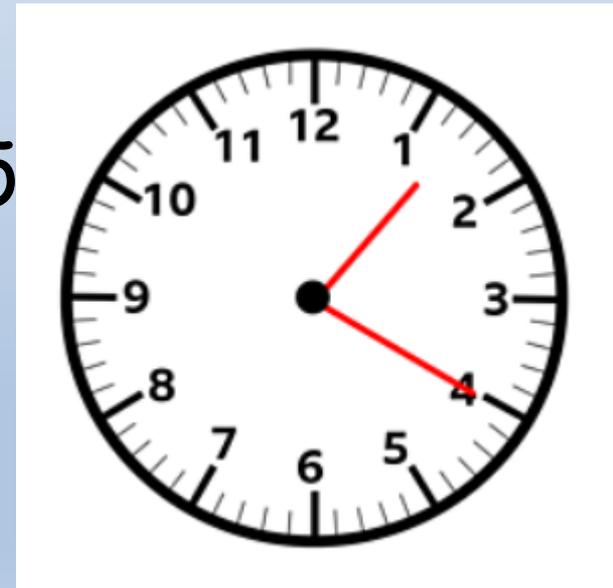
The minute hand has moved 1 lot of 5 minutes.

Now look at this clock. The hour hand is just after 1.

The minute hand has moved and is pointing at the number 4.

But we do not say "4 lots of 5 past 1" we have to work out how many lot's of 5 there are. $4 \text{ lots of } 5 = 20$

So we say 20 past 1.



Each number of the clock shows 5 minutes.

We start at the top of the clock and move to the 1. We have moved 5 minutes.

If we then move from the number 1 to the number 2. We have moved another 5 minutes.

This continues all the way around the clock.

Now we need to learn how we say the time to each 5 minutes.

If we move the minute hand to the number 1, we have moved 1 lot of 5 minutes.

We know $1 \times 5 = 5$

(1 lot of 5 minutes = 5 minutes)

So we say **5 minutes past**

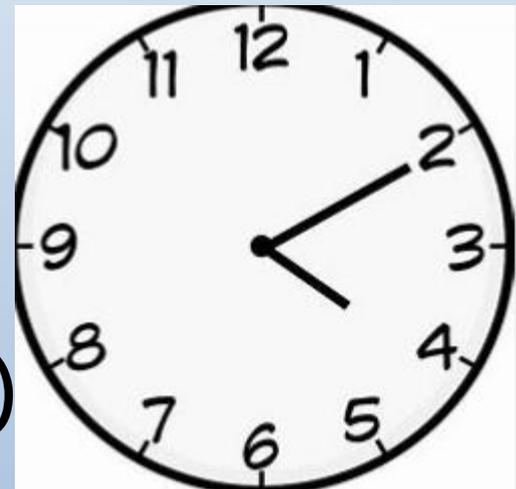


So if we move the minute hand to the number 2, we have moved 2 lot of 5 minutes.

We know $2 \times 5 = 10$

(2 lot of 5 minutes = 10 minutes)

So we say **10 minutes past**



- So each time the minute hand (big hand) moves to the next number it is moving 5 minutes.
- Have a look at your clock and look carefully at all the movements of 5.

I do -

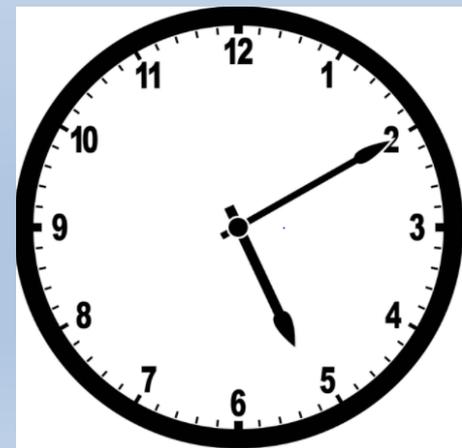
What time does this clock say?

I can see the minute hand is pointing to the 2 so that is 2 lots of 5 minutes or 2×5 minutes = 10 minutes.

So I know it is **10 minutes past**.

Next I look at the hour hand. It is pointing to the 5.

So the time **is 10 past 5**.



We do -

What time does this clock say?

Look where the minute hand is pointing. (the number 4)

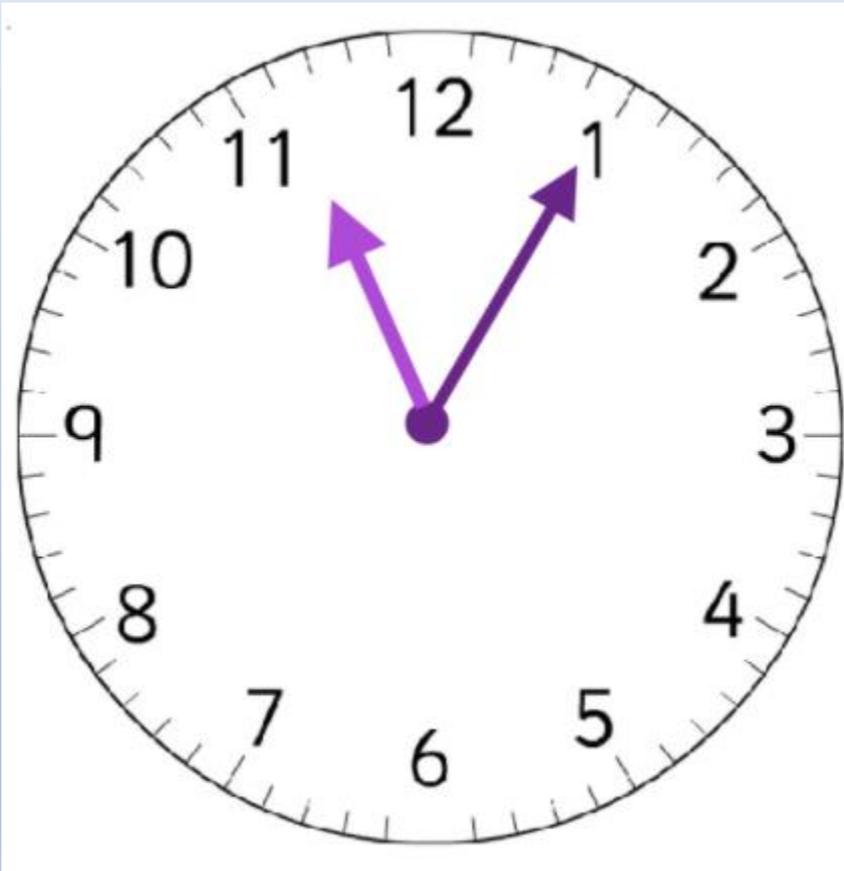
How many 5 minutes is it? ($4 \times 5 = 20$)

Look where the hour hand is pointing. (just after the 3)

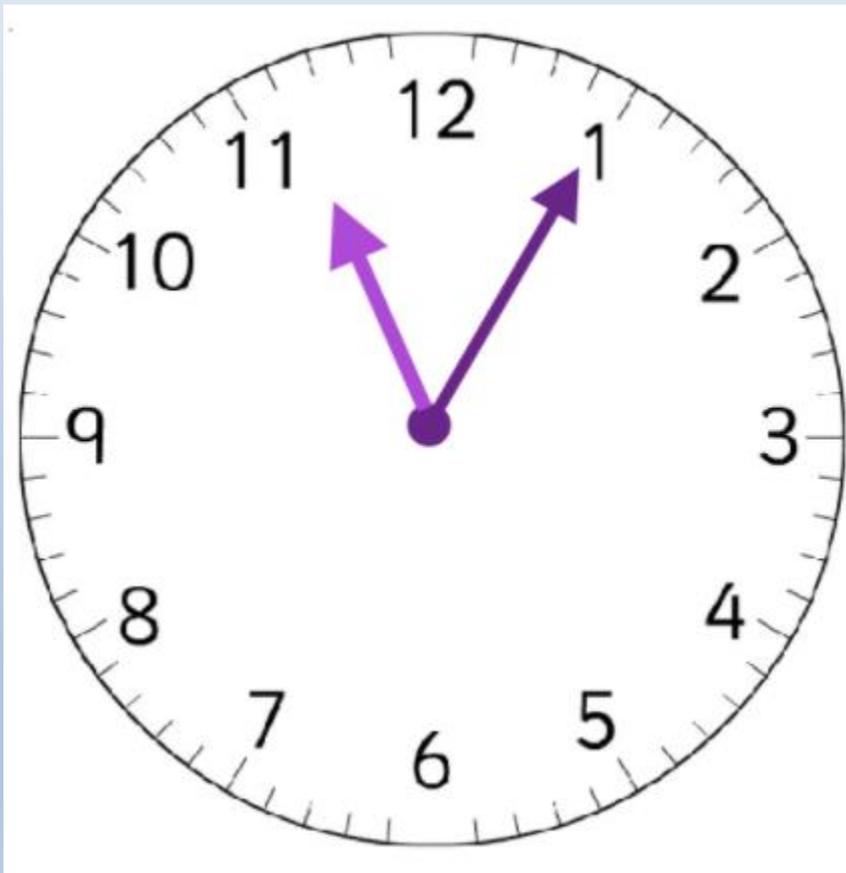
The time is 20 past 3.



You do- what time do these clocks say? Draw them in your home learning book



You do- what time do these clocks say? Draw them in your home learning book



5 past 11



Quarter past 7

