

22.04.2024

# Challenge of the week



- 3 Gran plays a board game from five past 6 until twenty-five to 7.

How long does she play for?

CHALLENGE

To work out this answer, I need to count in 5s from 5 up to 35.



That's not right! The number you need to count to is 25.



Who is right?

Why do you think this?

Gran plays for  minutes.

*Gran plays a board game from 5 past 6 until 25 to 7.*

*How long does she play for?*



## Mental Maths

8. One car measures 2 metres long. If my drive is 6m long, how many cars will fit on it?





22.04.2024

*LQ: Can I tell the time for o'clock and half past?*

*Steps to Success*

*I can tell the time for o'clock.*

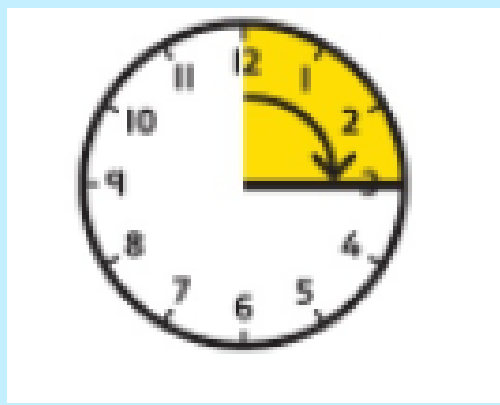
*I know the time is read 'past the hour'.*

*I can tell the time for half past.*

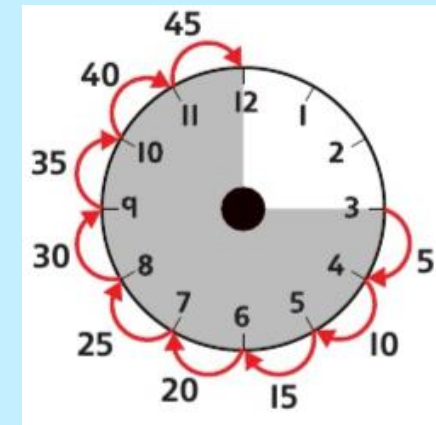




 **STAR WORDS** 



*time past*



*5 minute intervals*



*minute hand*  
*hour hand*

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LQ: Can I tell the time for o'clock and half past?



TPs- What can you remember about telling times of o'clock and half past.

<https://www.topmarks.co.uk/time/teaching-clock>

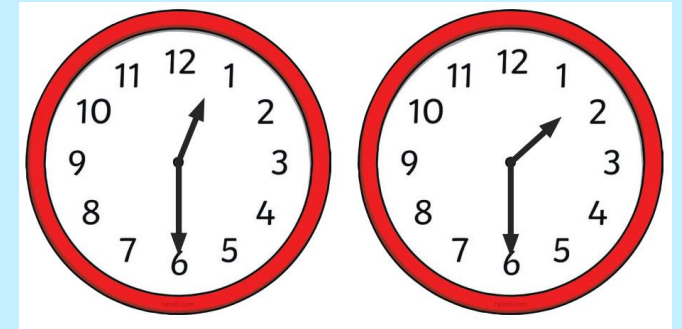
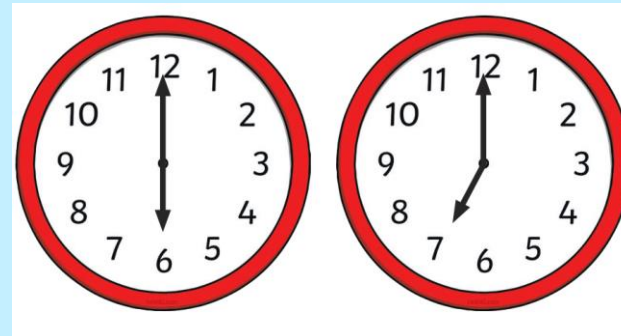
Let's recap our learning. Look at the clocks.

TPs – What is the time?

How do you know?

'The time is...'

'I know this because...'



22.04.2024

LQ: Can I tell the time for o'clock and half past?

Recap

1 minute = 60 seconds

1 hour = 60 minutes

1 day = 24 hours

Half a day = 12 hours

1 week = 7 days



- 60 seconds = 1 minute
- 60 minutes = 1 hour
- 24 hours = 1 day
- 7 days = 1 week
- 365 days = 1 year
- 52 weeks = 1 year
- 10 years = 1 decade
- 100 years = 1 century
- 1000 years = 1 millennium

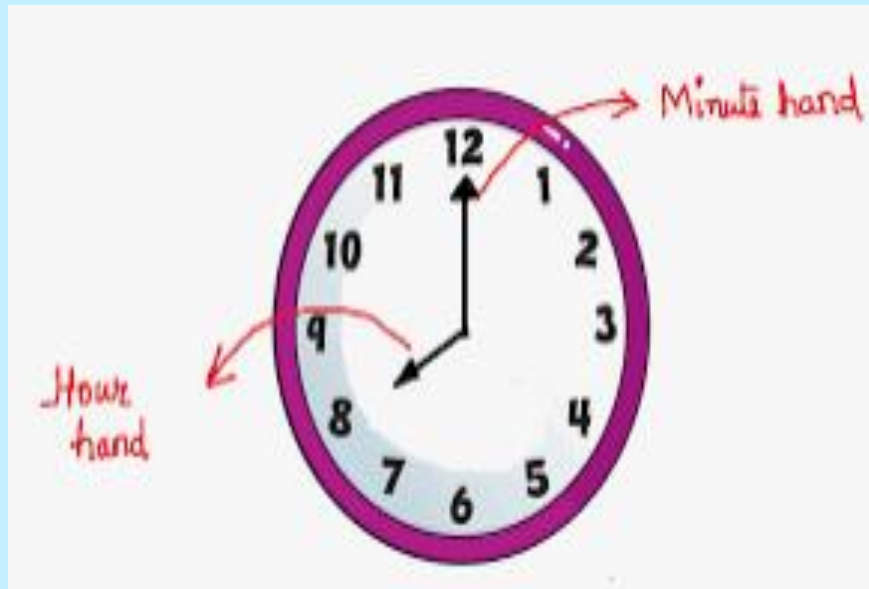


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LQ: Can I tell the time for o'clock and half past?

Today we are going to consolidate telling the time for hour and half past. We will use our clocks and practice with a partner to tell the times later.

Now, let's look at the slides below and recap.



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LQ: Can I tell the time for o'clock and half past?

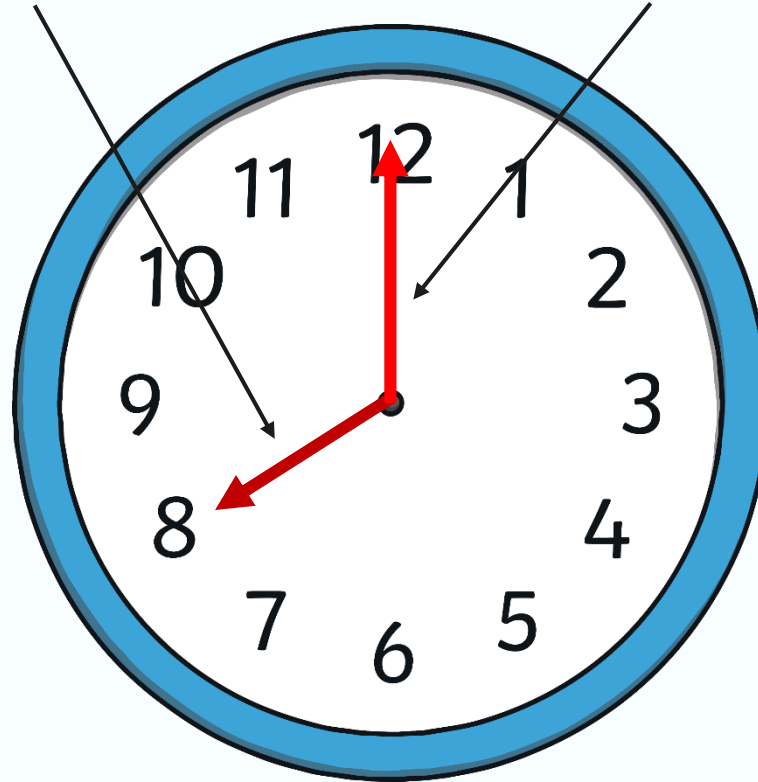
# Hours and Minutes

This is the **hour** hand.

This is the **minute** hand.

It is the **shortest** hand on the clock.

It is **longer** than the hour hand.

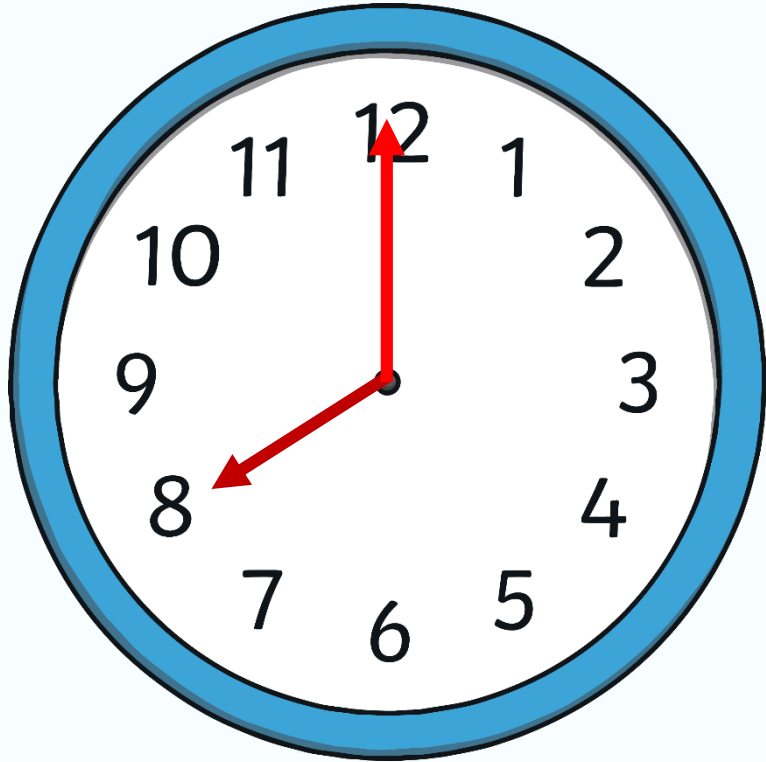


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LQ: Can I tell the time for o'clock and half past?

# Hours and Minutes

When the minute hand is pointing to 12, it is showing a full hour.  
We call this time 'o'clock'.



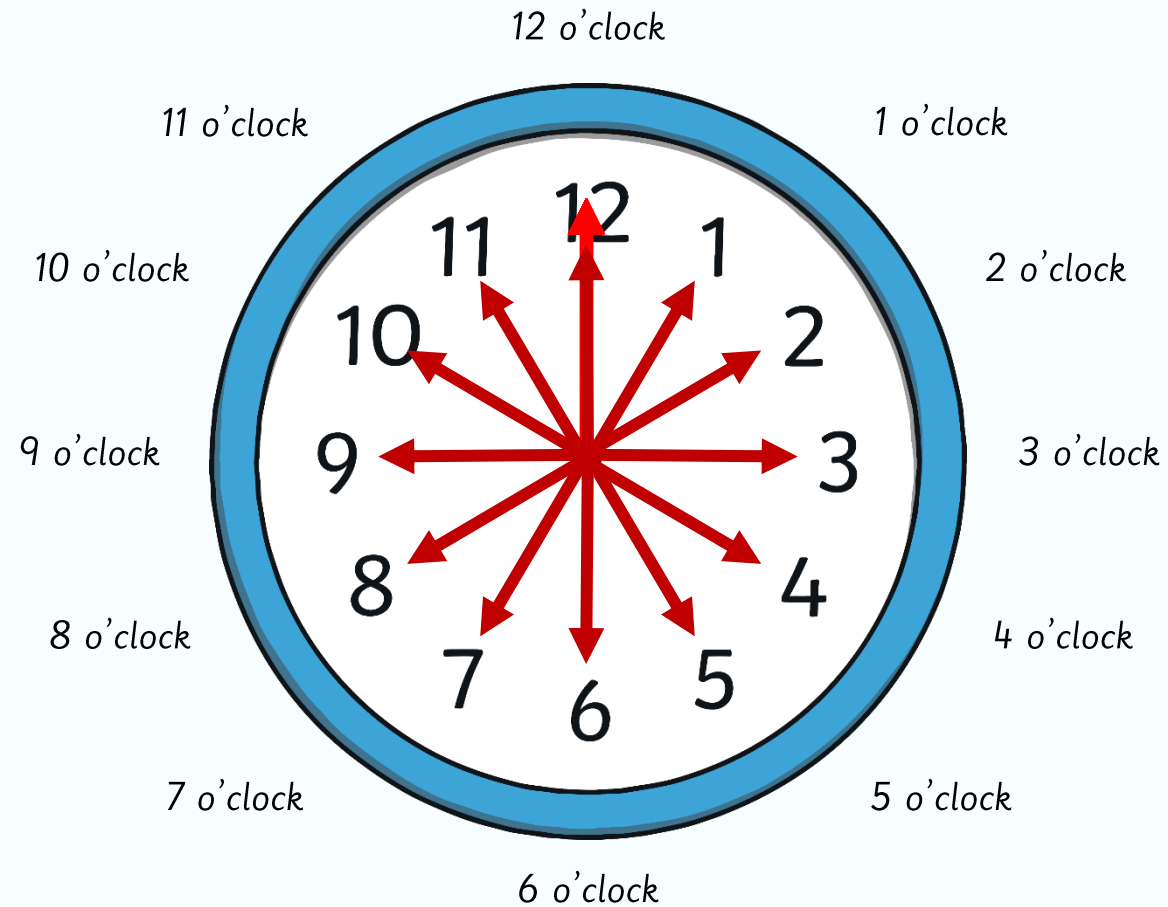
On this clock, the hour hand is pointing at the 8 and the minute hand is pointing to the 12.

This clock is showing that the time is **8 o'clock**.

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LQ: Can I tell the time for o'clock and half past?

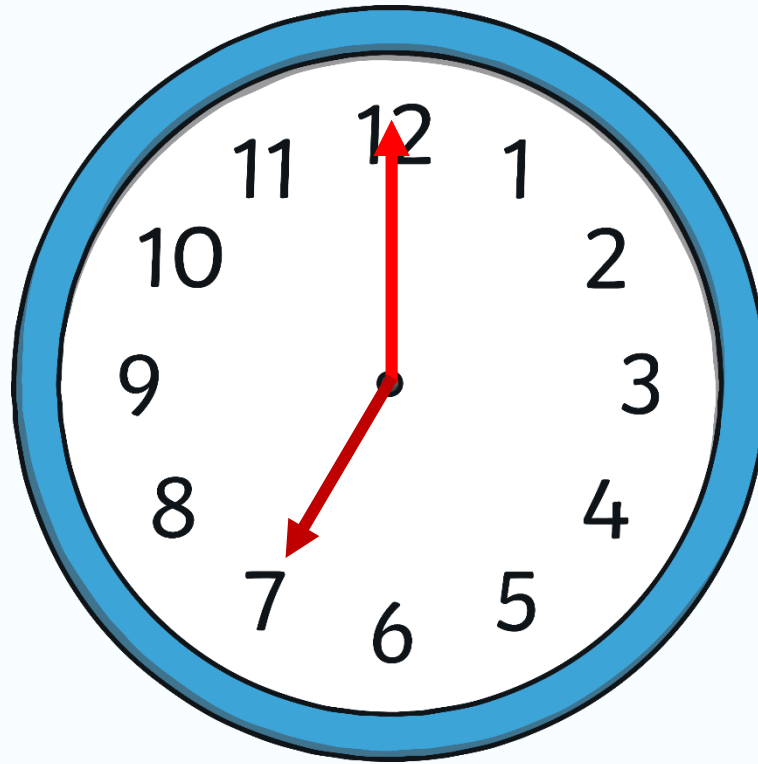
# What Time Is It?



22.04.2024

LQ: *Can I tell the time for o'clock and half past?*

## *What Time Is It?*



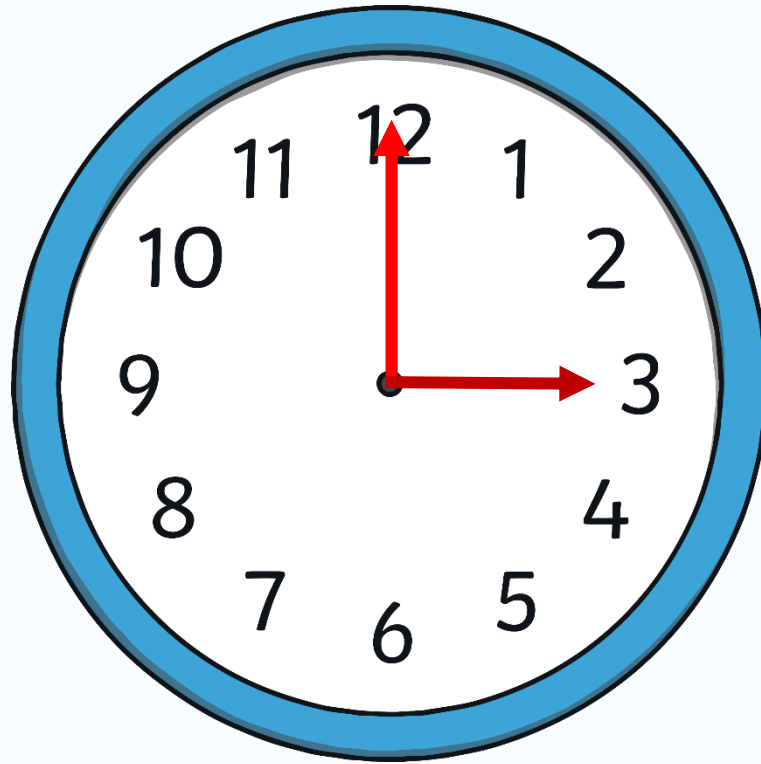
*It is 7 o'clock.*



22.04.2024

LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

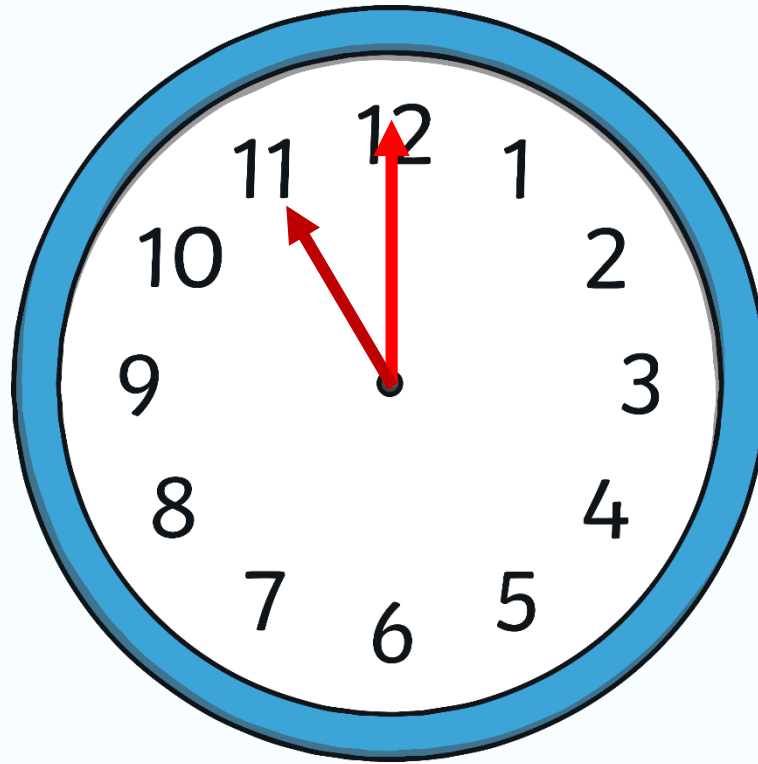


*It is 3 o'clock.*

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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

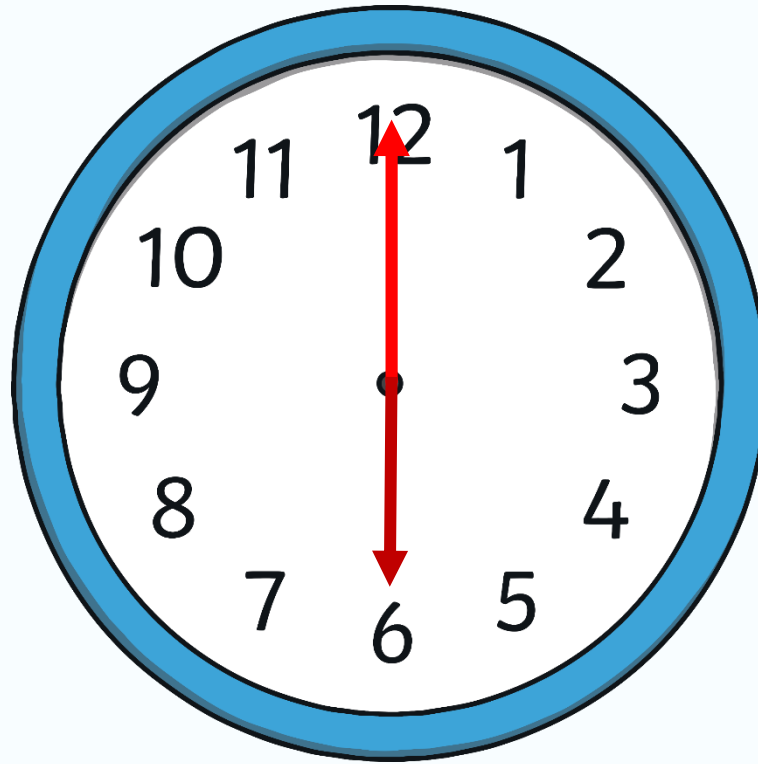


*It is 11 o'clock.*

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LQ: Can I tell the time for o'clock and half past?

## What Time Is It?

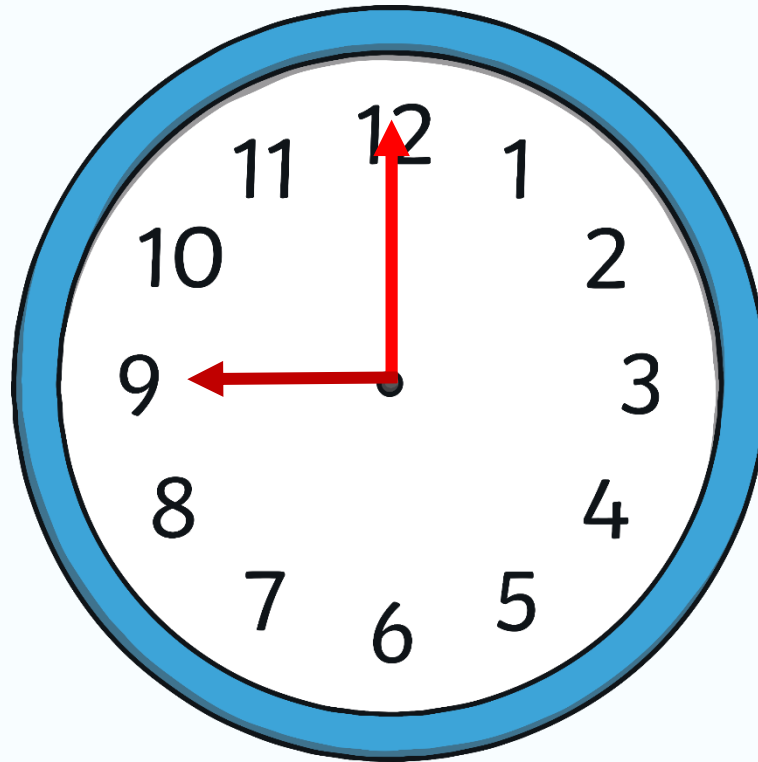


*It is 6 o'clock.*

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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

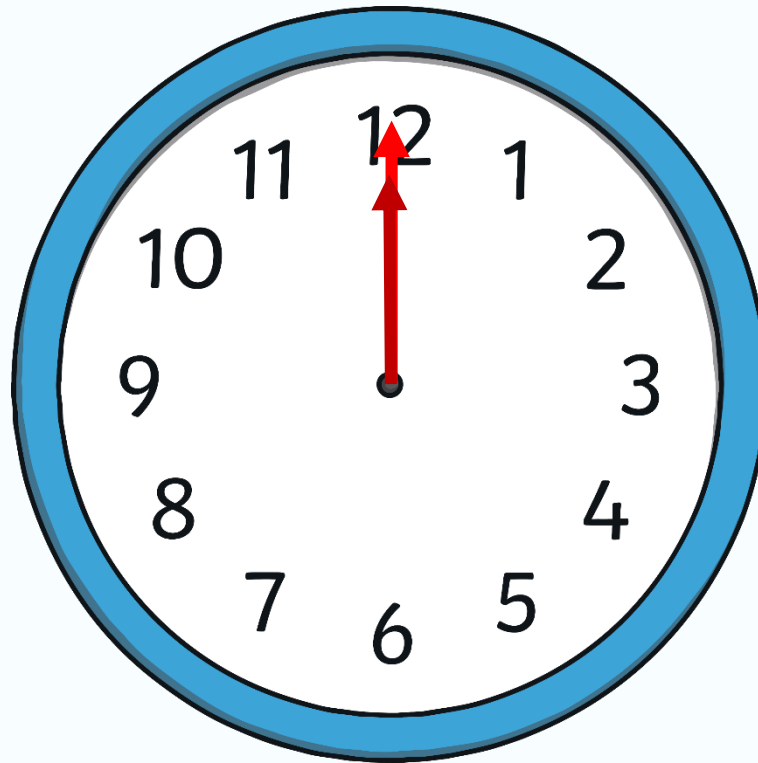


*It is 9 o'clock.*

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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?



It is 12 o'clock.

Self Assessment

Do you understand how to tell the time for o'clock?

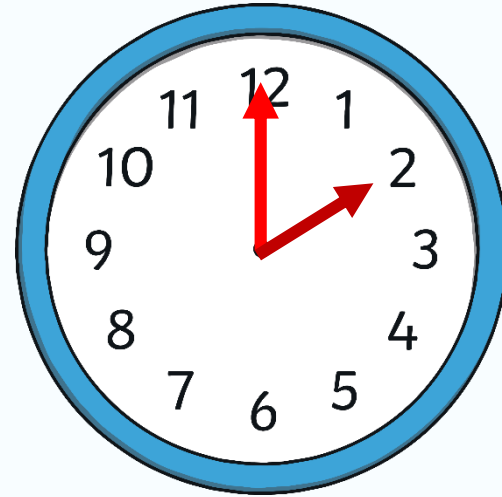
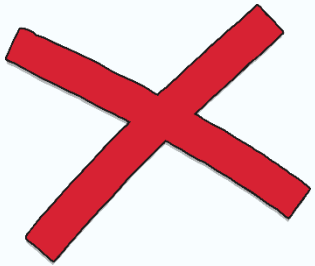
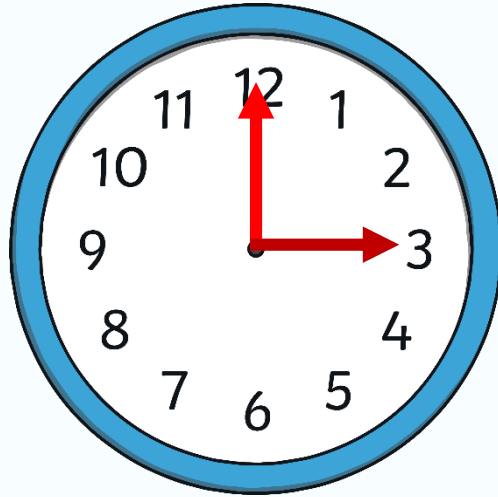
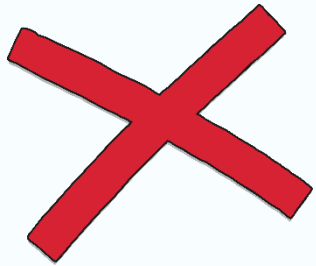
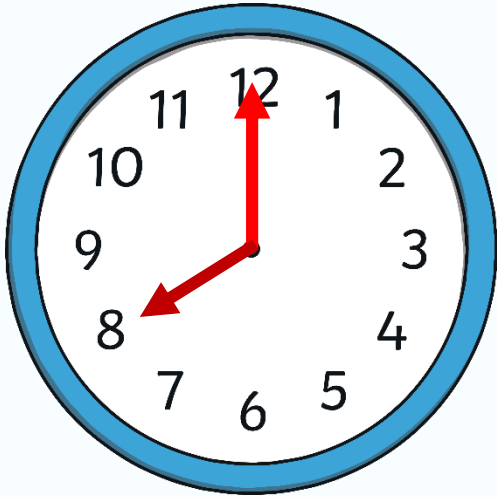


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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

Which clock shows 2 o'clock?

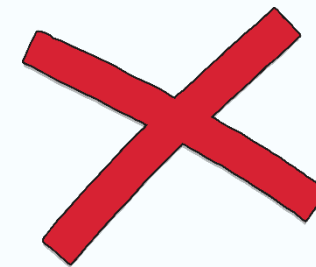
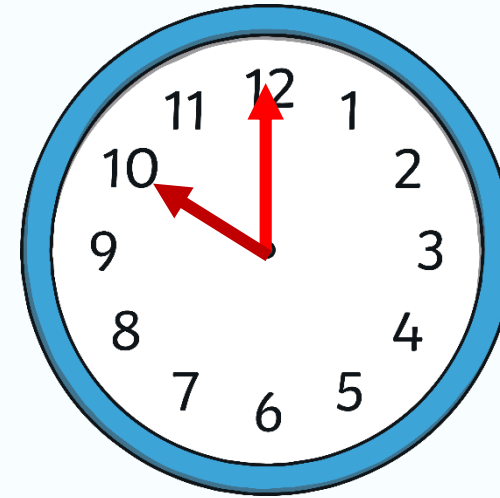
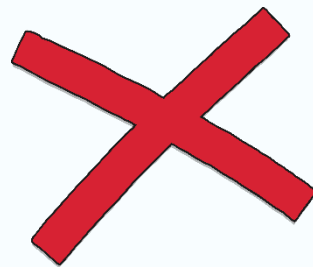
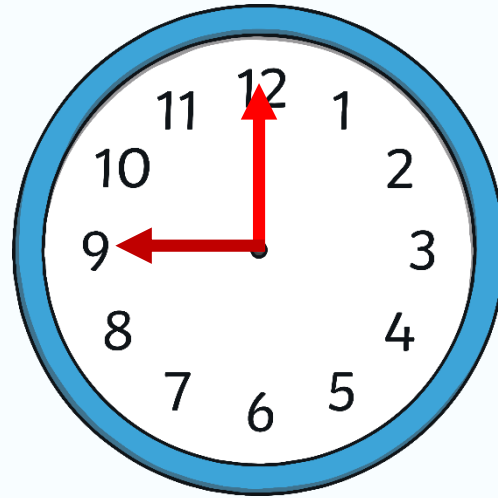
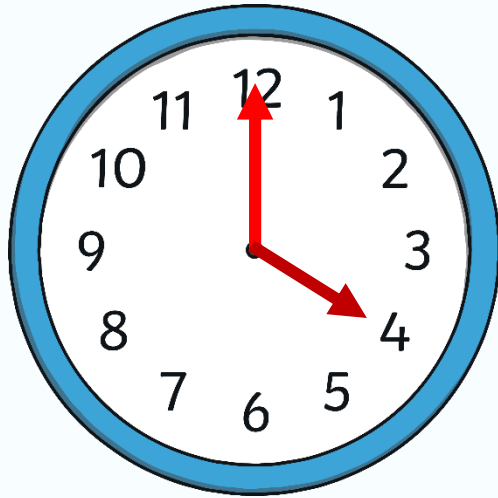


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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

Which clock shows 4 o'clock?

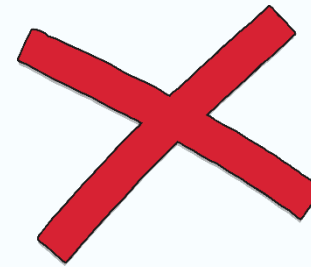
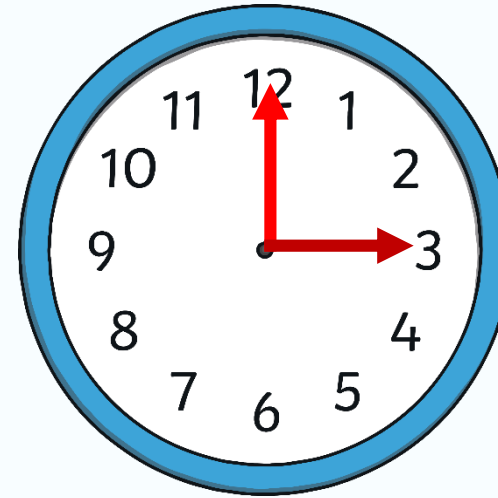
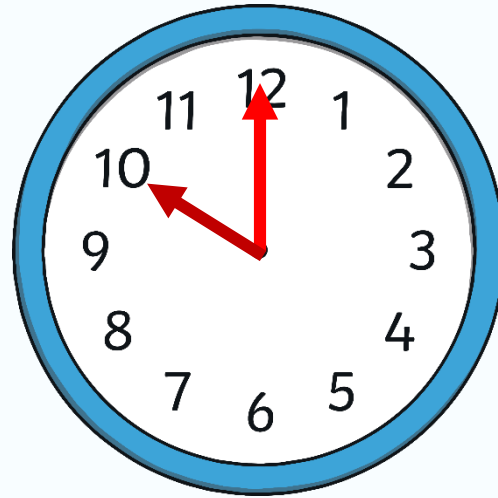
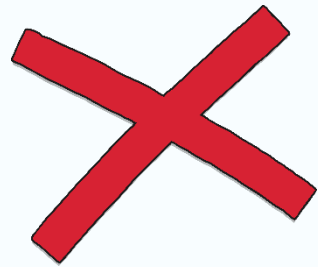
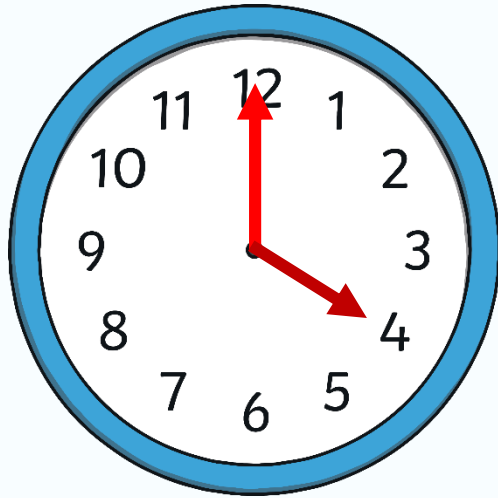


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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

Which clock shows 10 o'clock?



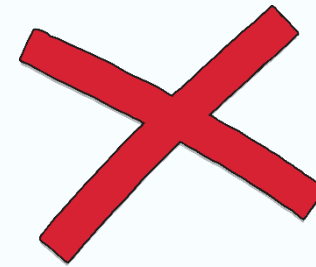
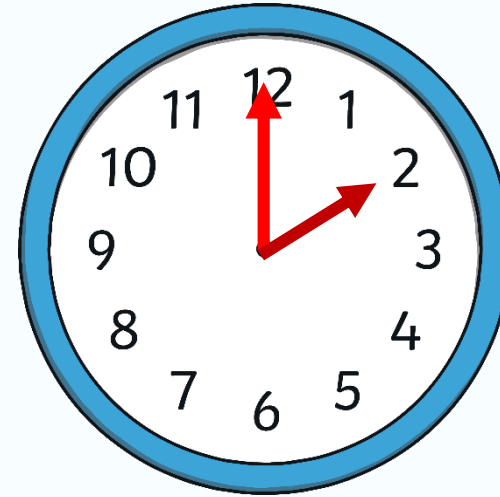
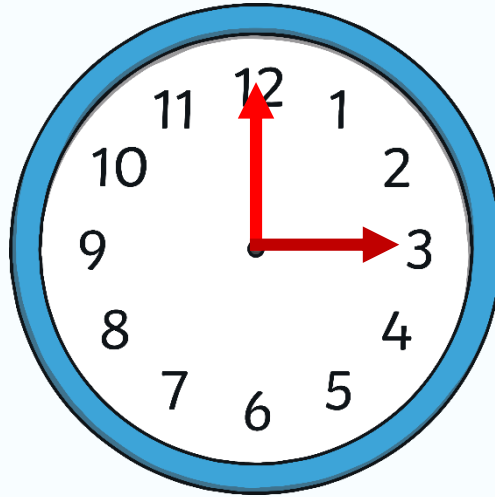
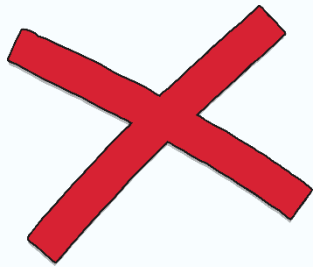
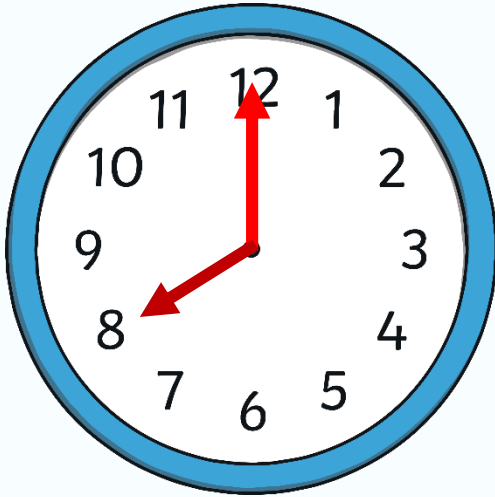


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LQ: Can I tell the time for o'clock and half past?

# What Time Is It?

Which clock shows 3 o'clock?



22.04.2024

**LQ: Can I tell the time for o'clock and half past?**

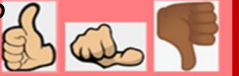
Now we are going to recap telling the time for past the hour.

Let's watch this video.

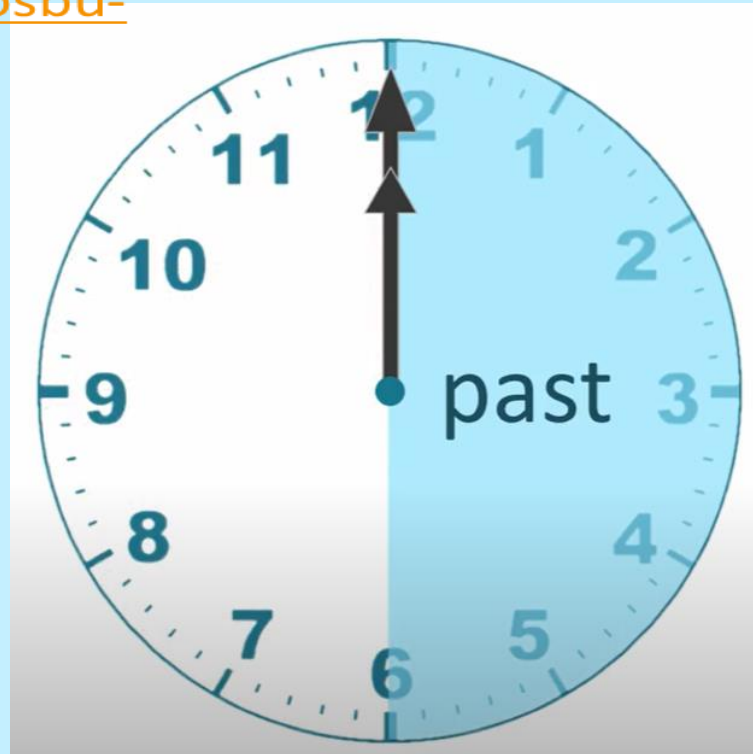
<https://www.youtube.com/watch?v=3Posbu-VKxU>

Self Assessment

Do you understand how to tell the time for o'clock and half past the hour?



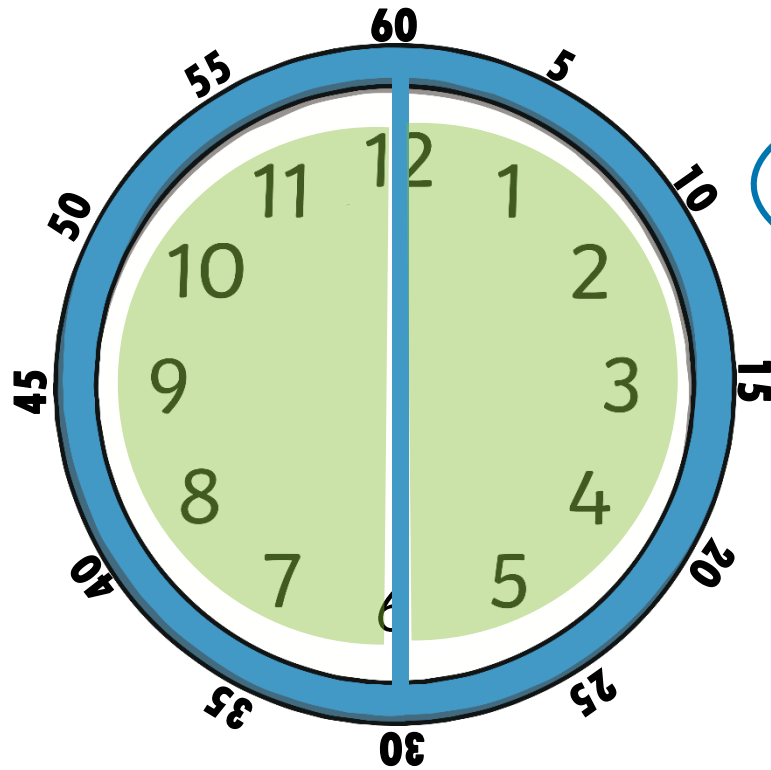
Let's practise telling the time for o'clock and half past the hour.



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LQ: Can I tell the time for o'clock and half past?

*A clock face is a full circle  
which is made up of 2 halves.*



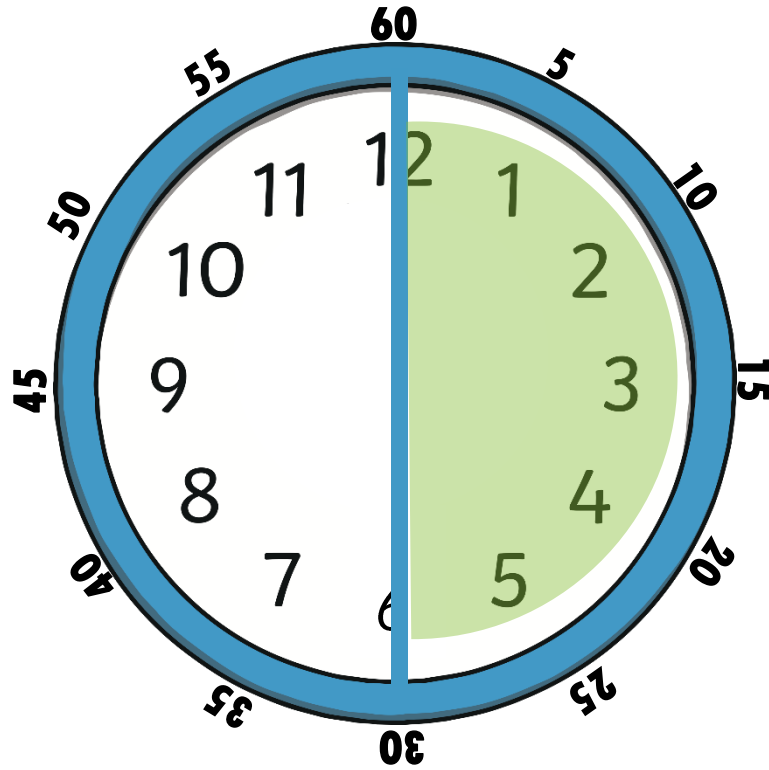
How many minutes  
make up half of an  
hour?



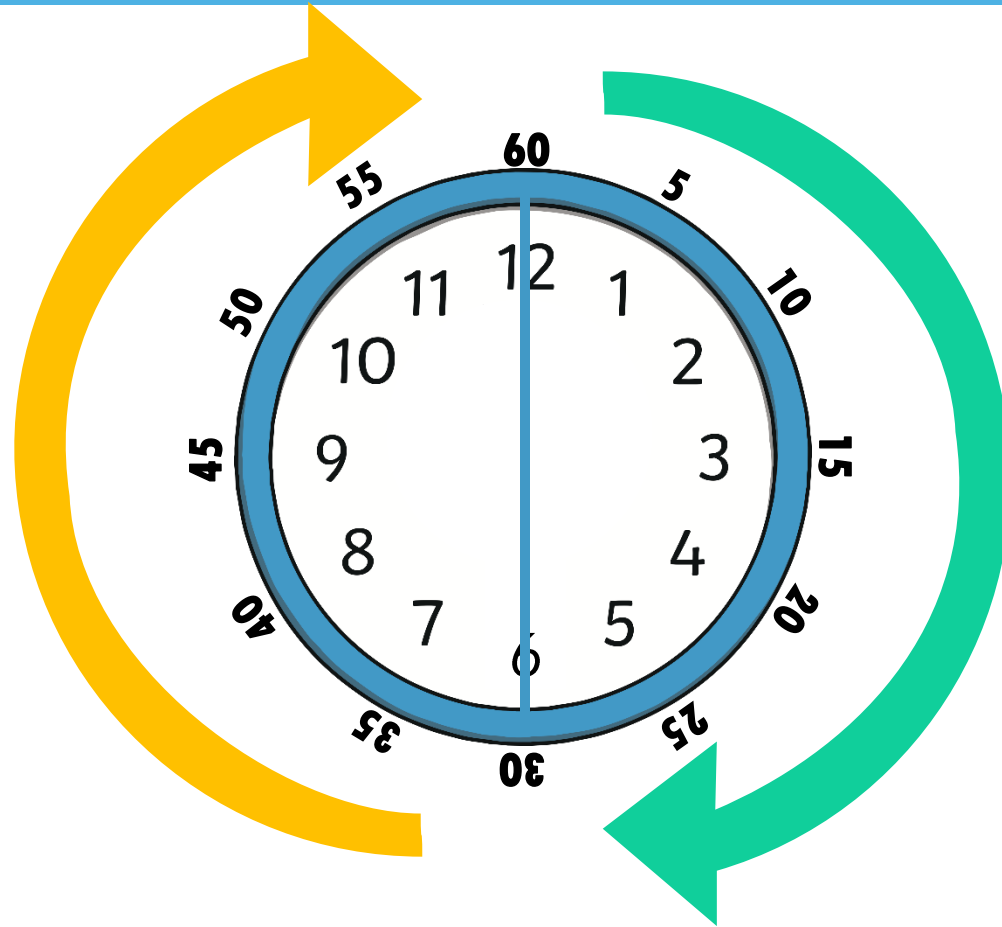
22.04.2024

LQ: Can I tell the time for o'clock and half past?

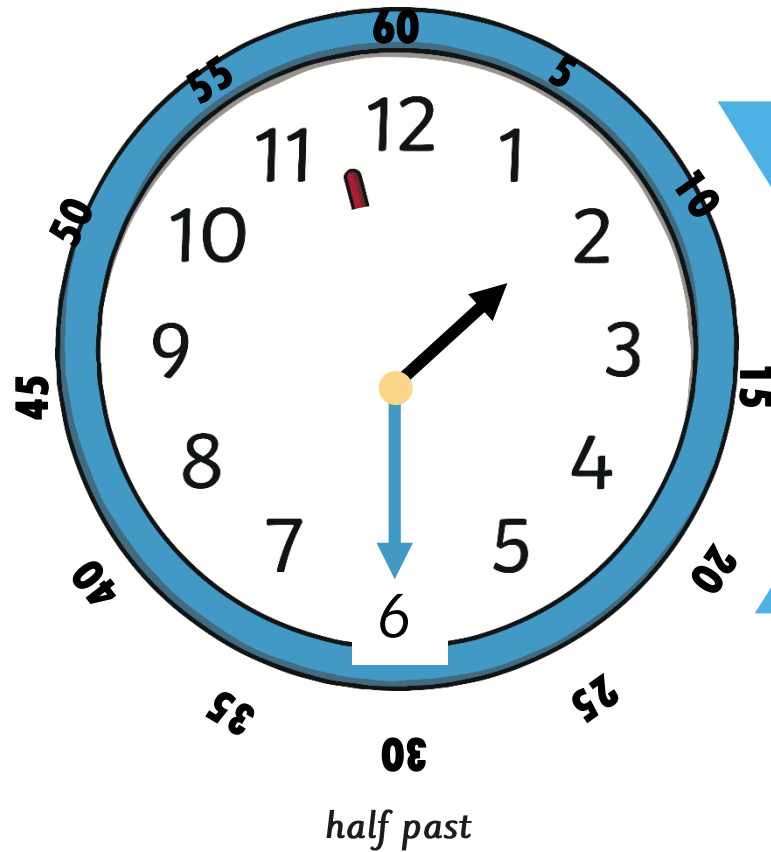
*There are 30 minutes in half of an hour.*



When it is 30 minutes past the hour we say 'half past' the hour.



Look at this time.

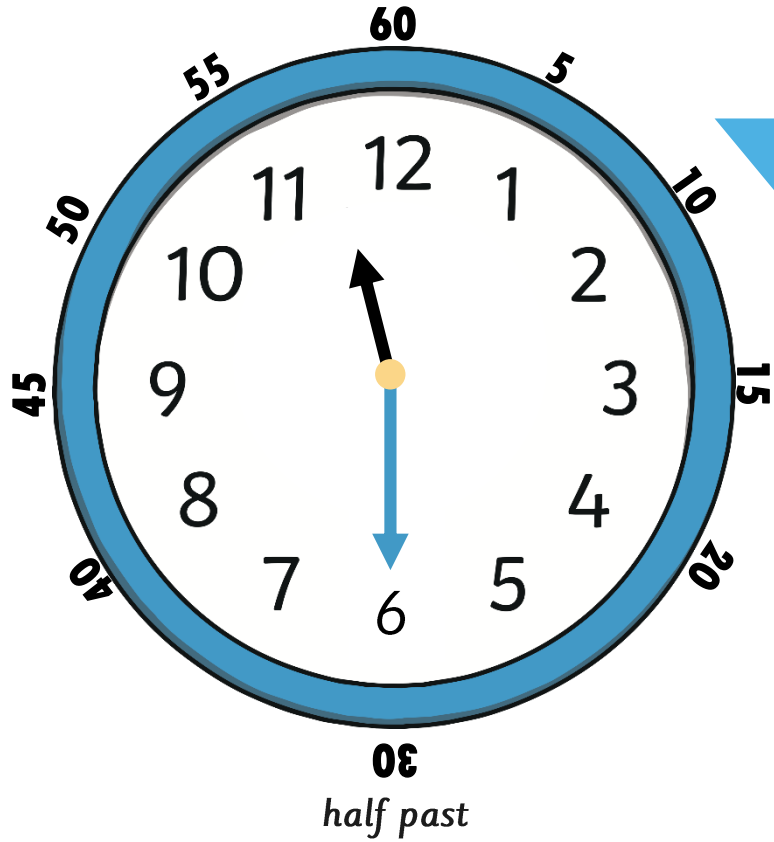


The big hand is pointing at 6, which is halfway around the clock.

Where is the small hand pointing? Is it on the number?

It's half way between 1 and 2.

# What time is this clock showing?



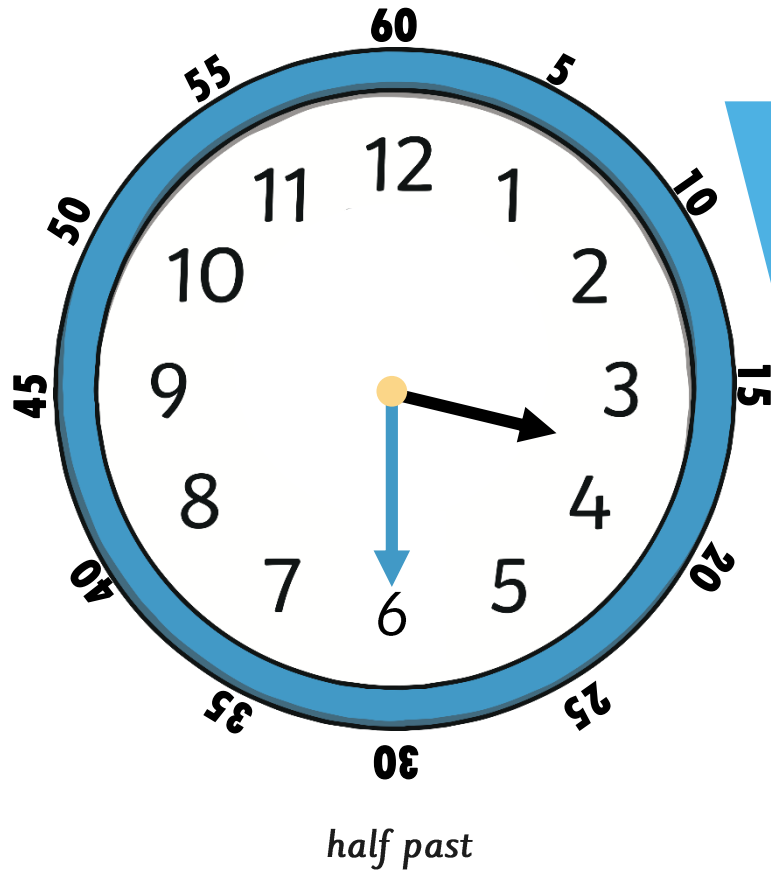
Where is the big hand pointing? 6

Where is the little hand pointing? halfway between 11 and 12

It's half past 11.



## What time is this clock showing?



What do you notice about the small hand?

It is halfway between 3 and 4.

It's half past 3.






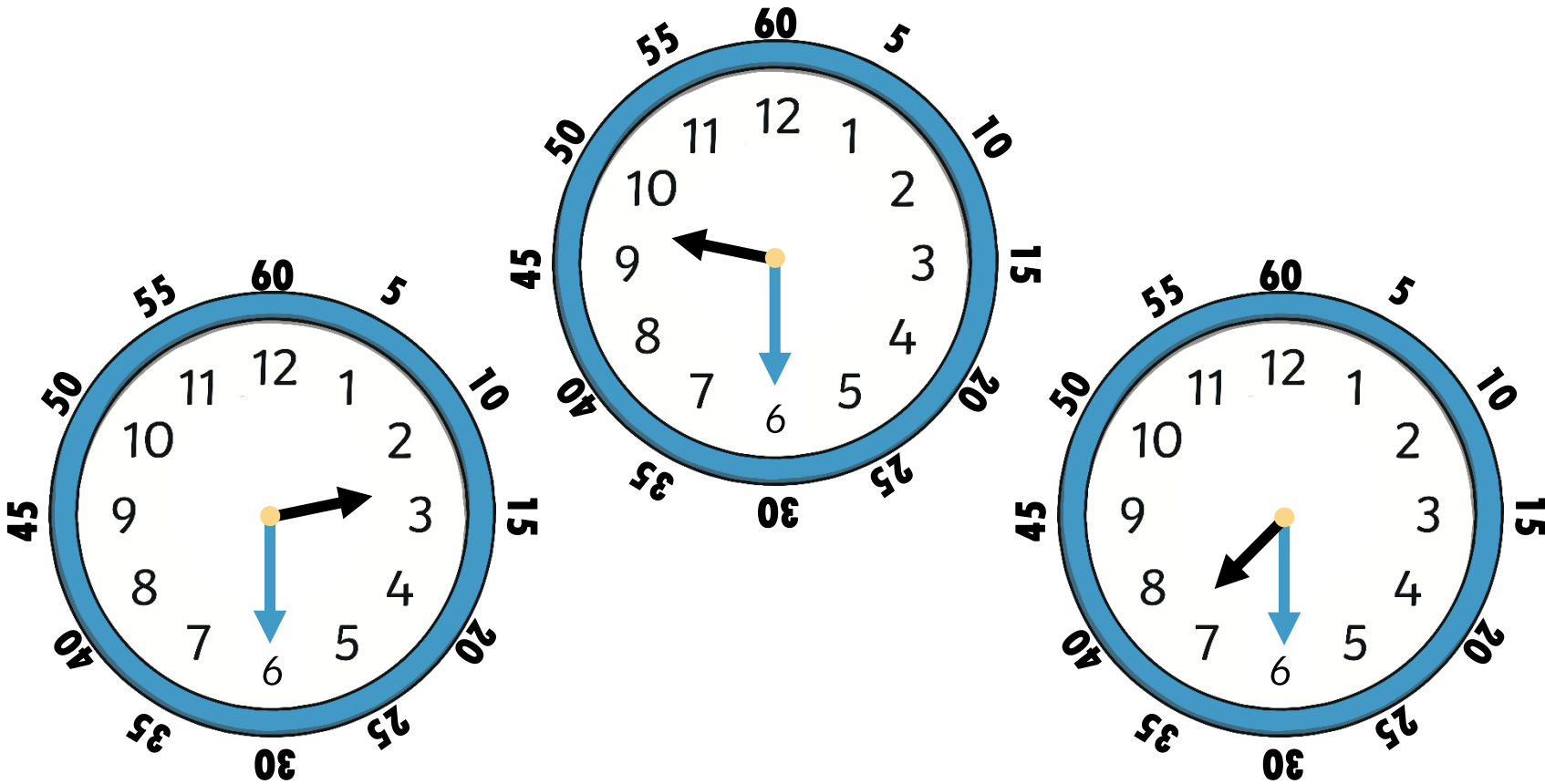


LQ: Can I tell the time for o'clock and half past?

Which clock is showing half past 2?

Self Assessment

Do you understand how to tell the time for o'clock and half past the hour?   



22.04.2024

# LQ: Can I tell the time for o'clock and half past?

Complete the work in your books.


## Self Assessment

Do you understand how to tell the time for o'clock and half past the hour?

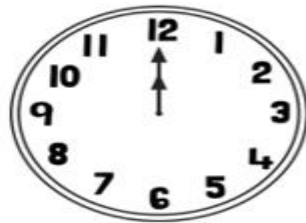
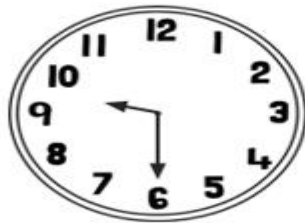
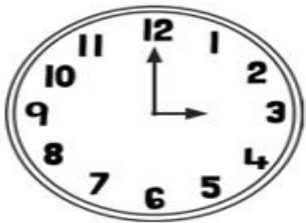


Clock, o'clock, half past, quarter past, quarter to, hour, minute



<p>1. Write the time shown on each clock. Draw the hands on the clocks to show half past.</p>	<p>2. Put these clocks in order. Could they go in a different order? Explain your reasoning.</p> 	<p>3. John is looking at the number of seconds in a minute. 1 minute = 60 seconds 2 minutes = 120 seconds He says, '120 is double 60. So, to find out 3 minutes I need to double 120.' Is he correct? How do you know?</p>
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Write the time shown on each clock.



\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

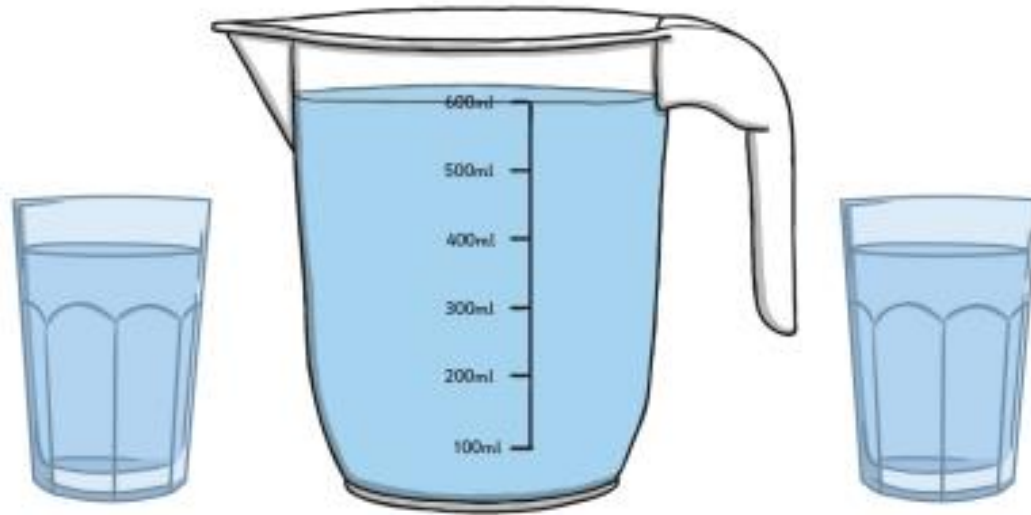
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

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## Mental Maths

11. Morgan's jug holds 600ml. The glasses hold 100ml each. Can she fill both the glasses with a full jug? Is there any left? How much?





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*LQ: Can I tell the time at quarter past the hour?*



*Steps to Success*

*I know the time is read 'past the hour' and 'to the hour'.*

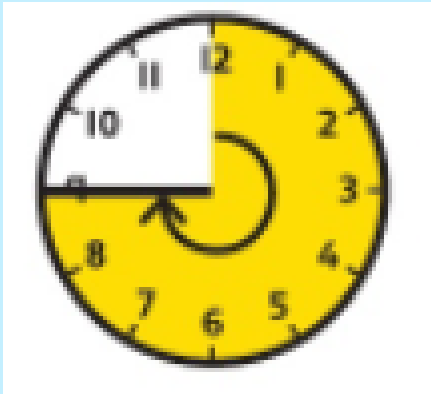
*I can use the hour and minute hand to read and show quarter past.*

*I can solve word problems related to the time.*

 **STAR WORDS** 



*time past*



*duration*



*start end*



*minute hand*

*hour hand*



*Quarter past*

23.04.2024

LQ: Can I tell the time at quarter past the hour?

### Recap

1 minute = 60 seconds

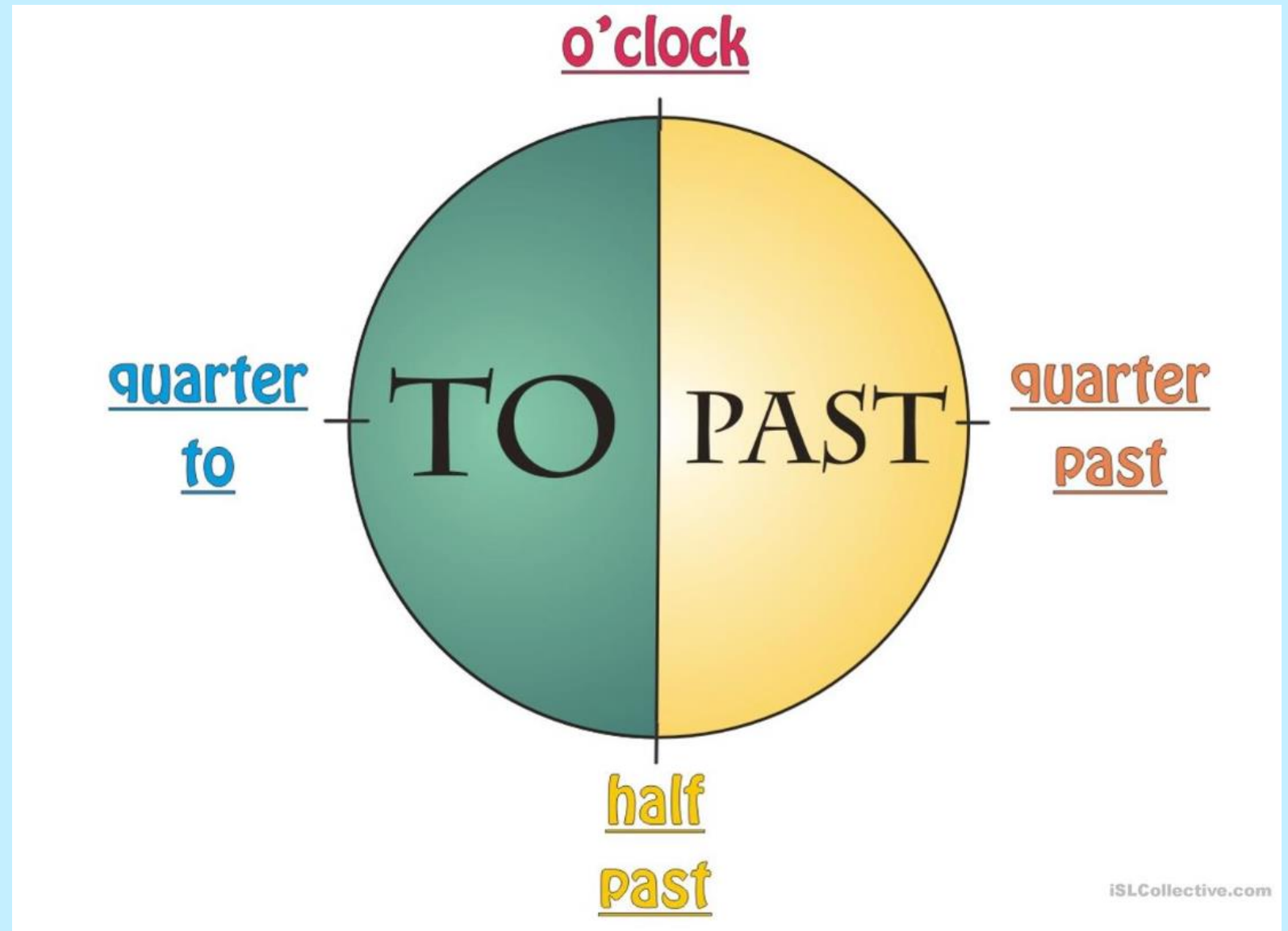
1 hour = 60 minutes

1 day = 24 hours

Half a day = 12 hours

1 week = 7 days

TPs - What can you remember about the times: o'clock, half past?



# Questions

How many seconds  
are there in a *minute*?

60

How many days are  
there in a *month*?

28-31

How many minutes  
are there in *an hour*?

60

How many days  
are there in a *year*?

365

How many minutes are there in  
quarter of *an hour*?

15

How many days are there in a  
*leap year*?

366

How many minutes  
are there in *half an hour*?

30



# Telling the Time

A clock face is a full circle which is made up of 4 quarters.



How many minutes make up quarter of an hour?

# Telling the Time

There are 15 minutes in a quarter of an hour.



# Telling the Time

When we tell the time we either say it is 'past' or 'to' the hour.

Quarter to



Quarter past

Half past

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LQ: Can I tell the time at quarter past the hour?

# What Time Is It?

The long hand is pointing at 3 - this means it is quarter past or 15 minutes past.

The short hand is just after 4

It is quarter past 4.



# What Time Is It?

Where is the long hand pointing?

Where is the short hand pointing?

Quarter

Quarter



LQ: Can I tell the time at quarter past the hour?

# What Time Is It?

Which clock is showing quarter past?

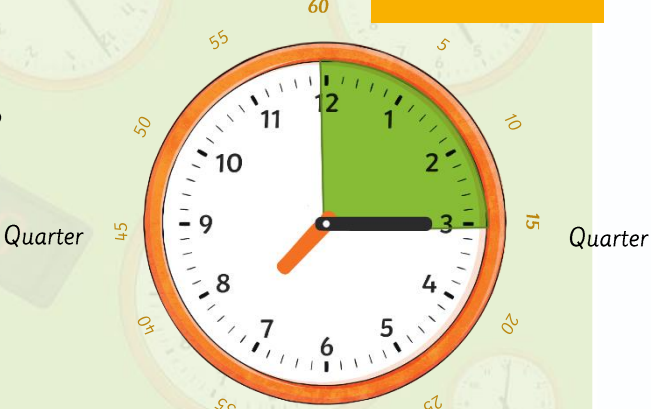
Which clock is showing half past?

Which clock is showing quarter to?

Clock 1



Clock 3



Clock 2



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LQ: *Can I tell the time at quarter past the hour?*



*Today we are going to practice showing quarter past.*

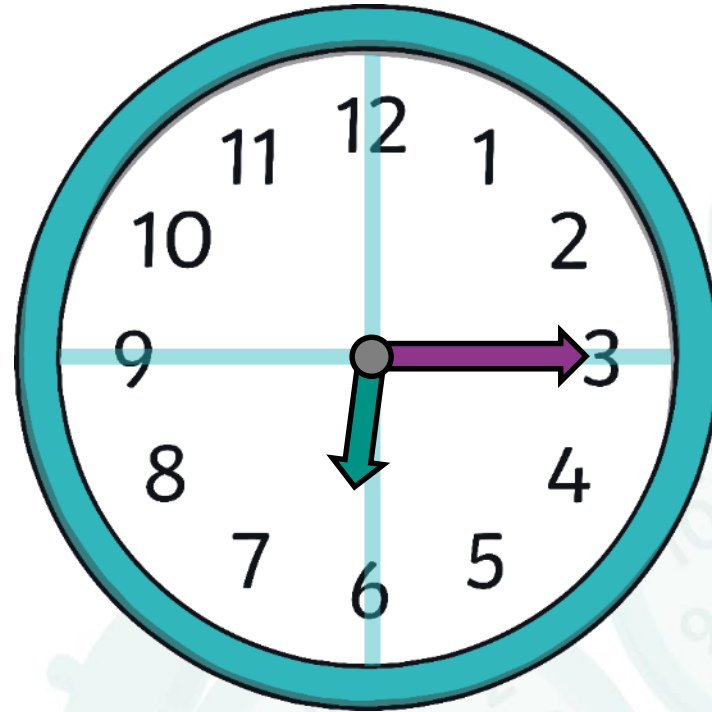
*Self Assessment*

*Do you understand how to tell the time for 'quarter past' the hour?*



**LQ: Can I tell the time at quarter past the hour?**

*Check the position of the hour hand and then the minute hand to read the time.*

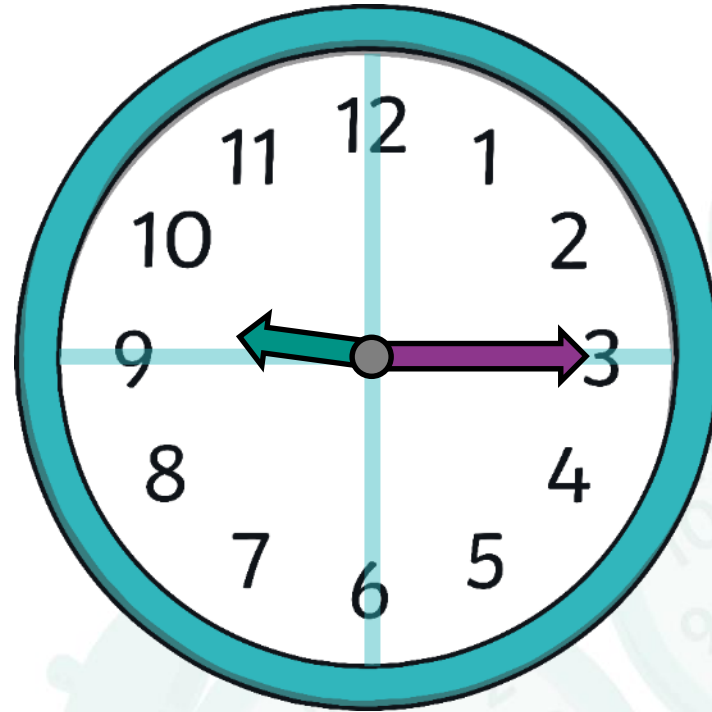


*quarter past 6*



LQ: Can I tell the time at quarter past the hour?

Check the position of the hour hand and then the minute hand to read the time.

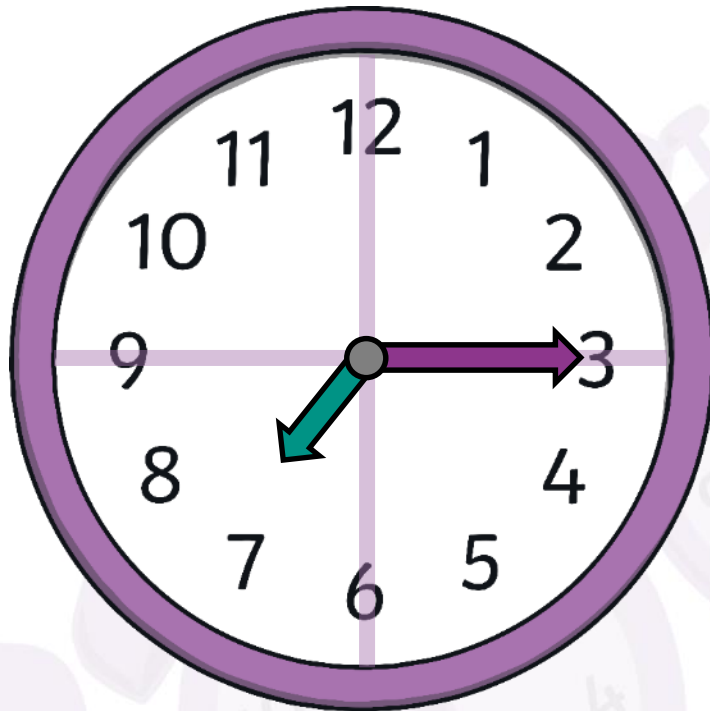


quarter past 9

LQ: Can I tell the time at quarter past the hour?

Show the time with the hour hand and then the minute hand.

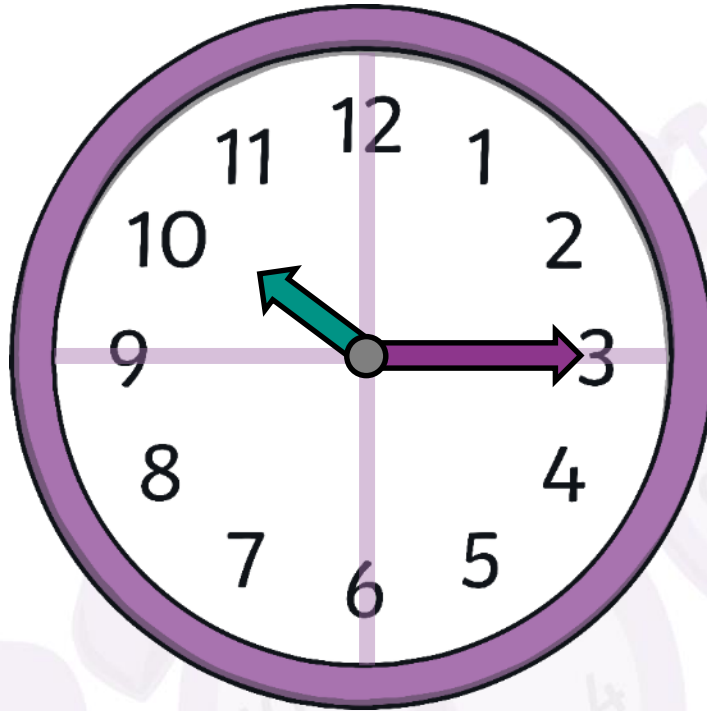
quarter past 7



LQ: Can I tell the time at quarter past the hour?

Show the time with the hour hand and then the minute hand.

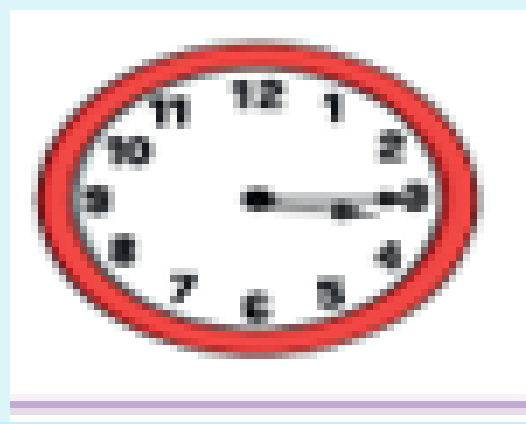
quarter past 10



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*LQ: Can I tell the time at quarter past the hour?*

*I am going to call out lots of 'quarter past' times.  
These are going to be in quarters.  
You are going to make those times on your clocks.*



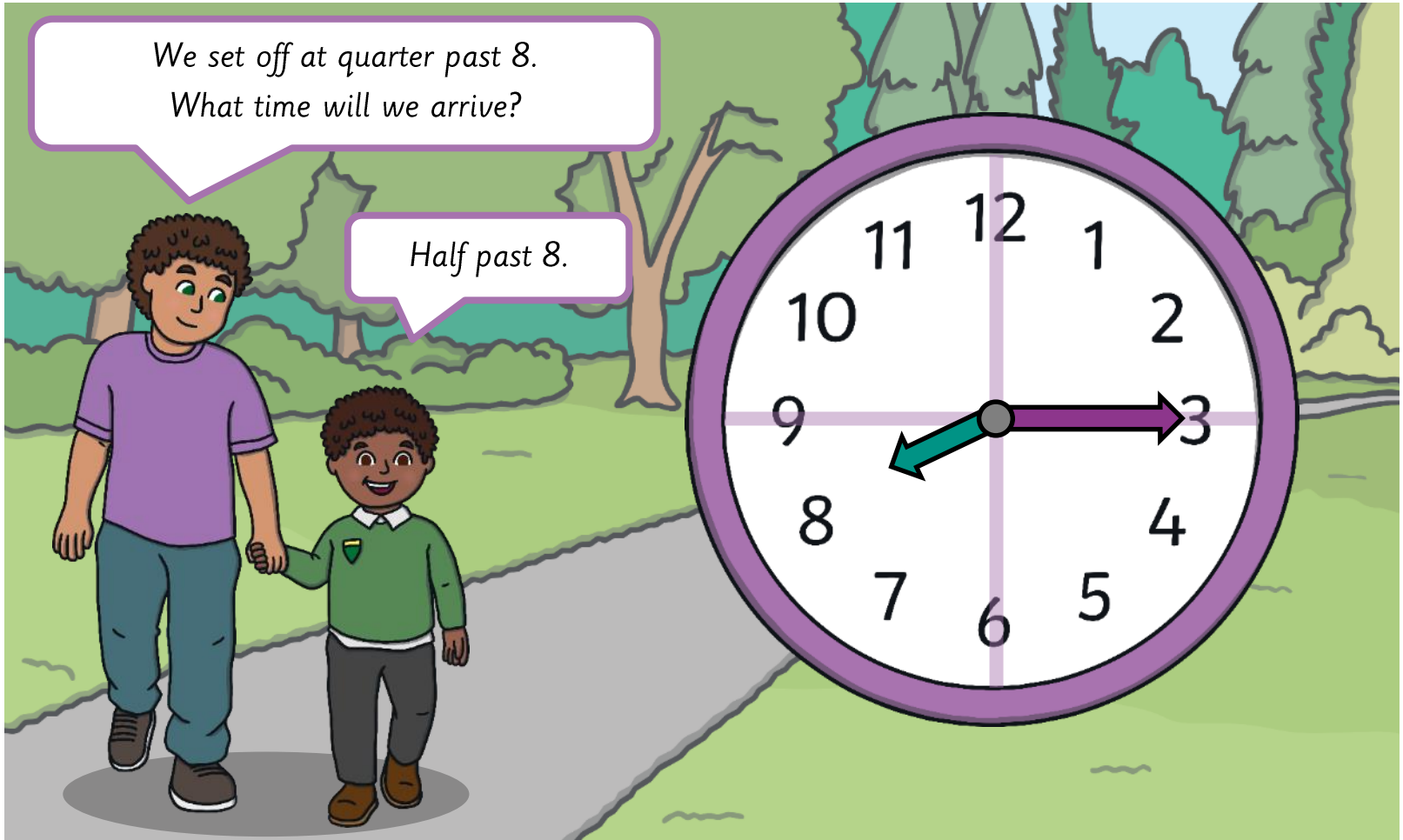
*Self Assessment*

*Do you understand how to tell the time  
in quarters?*



LQ: Can I tell the time at quarter past the hour?

It takes a quarter of an hour to walk to school.



LQ: Can I tell the time at quarter past the hour?

It takes a quarter of an hour to walk to school.

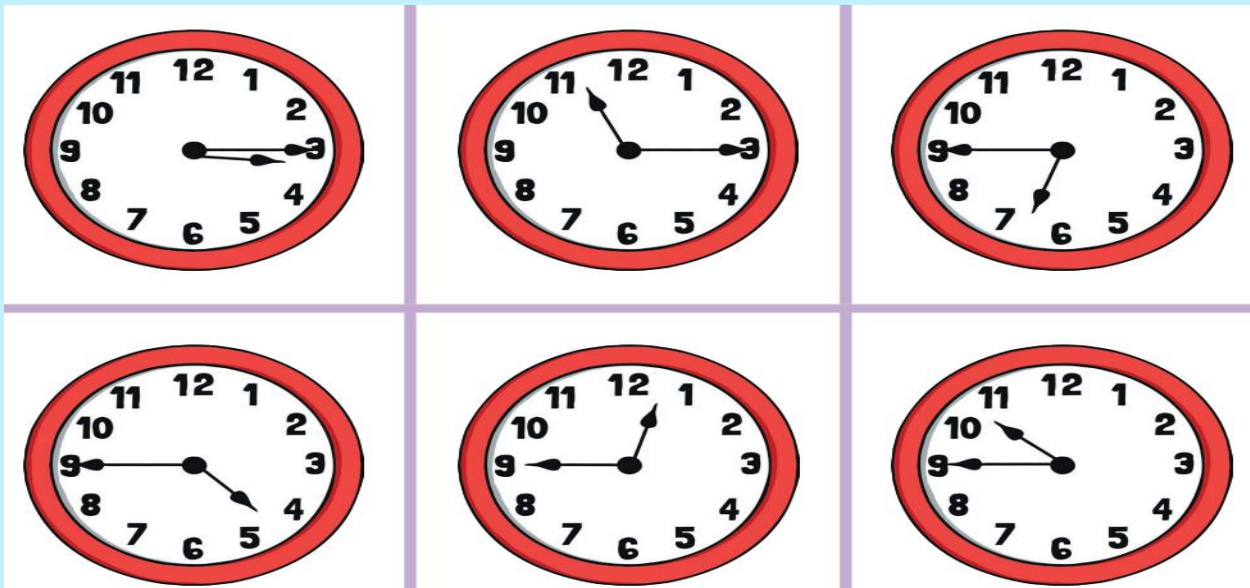


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LQ: Can I tell the time at quarter past the hour?

Look at the sheets on the table. Work together with your partner and practice telling the time.

Next Step: Look at the word problem sheets and try to solve them with your partner.



Self Assessment

Do you understand what to do?



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*LQ: Can I tell the time at quarter past the hour?*



*Steps to Success*

*I know the time is read 'past the hour' and 'to the hour'.*

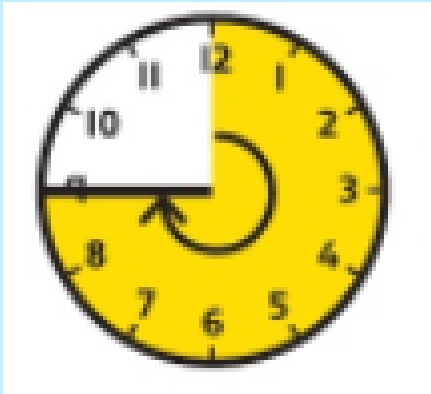
*I can use the hour and minute hand to read and show quarter past.*

*I can solve word problems related to the time.*

 **STAR WORDS** 



*time past*



*duration*



*start*

*end*



*minute hand*

*hour hand*



*Quarter past*

24.04.2024

LQ: Can I tell the time at quarter past the hour?

Recap

1 minute = 60 seconds

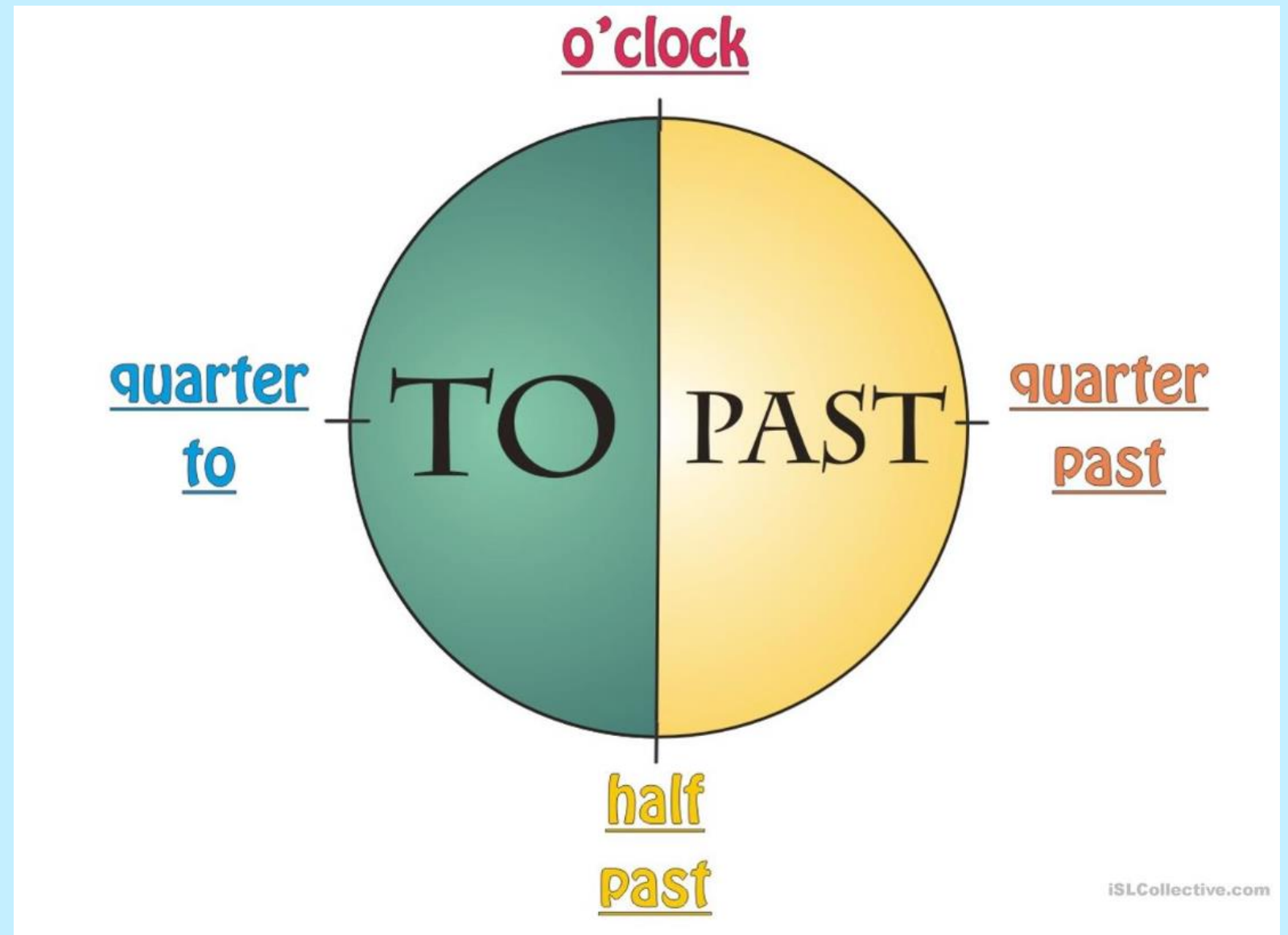
1 hour = 60 minutes

1 day = 24 hours

Half a day = 12 hours

1 week = 7 days

TPs - What can you remember about the times: o'clock, half past?

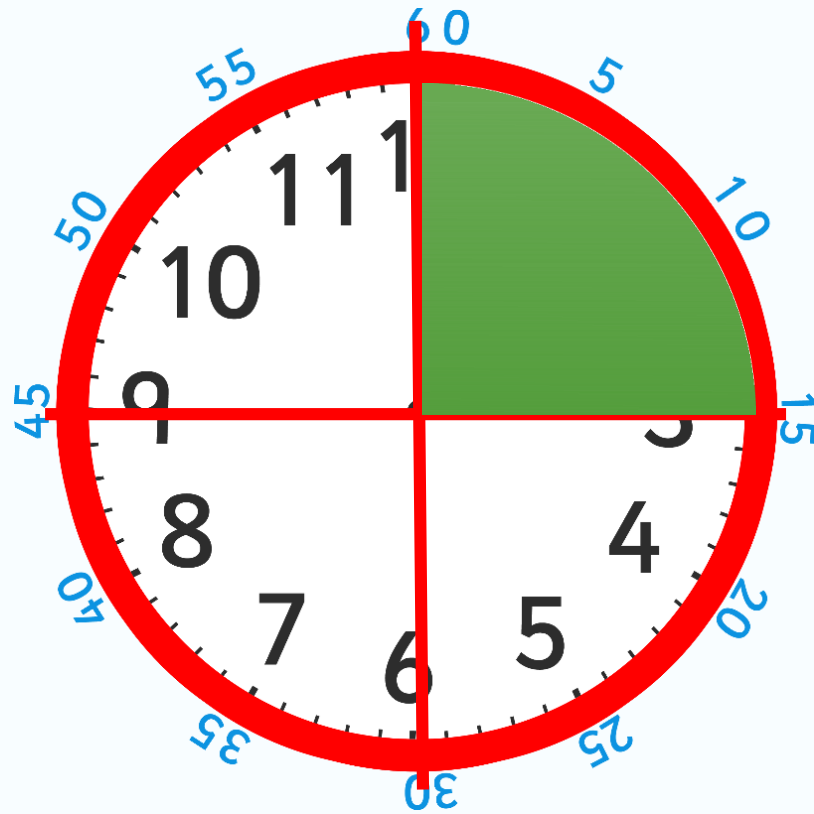


24.04.2024

LQ: Can I tell the time at quarter past the hour?

A clock face is a full circle which is made up of 4 quarters.

Let's recap:



How many minutes make up quarter of an hour?

24.04.2024

LQ: Can I tell the time at quarter past the hour?

There are 15 minutes in quarter of an hour.



24.04.2024

LQ: Can I tell the time at quarter past the hour?

When we tell the time we either say it is 'past' or 'to' the hour.



24.04.2024

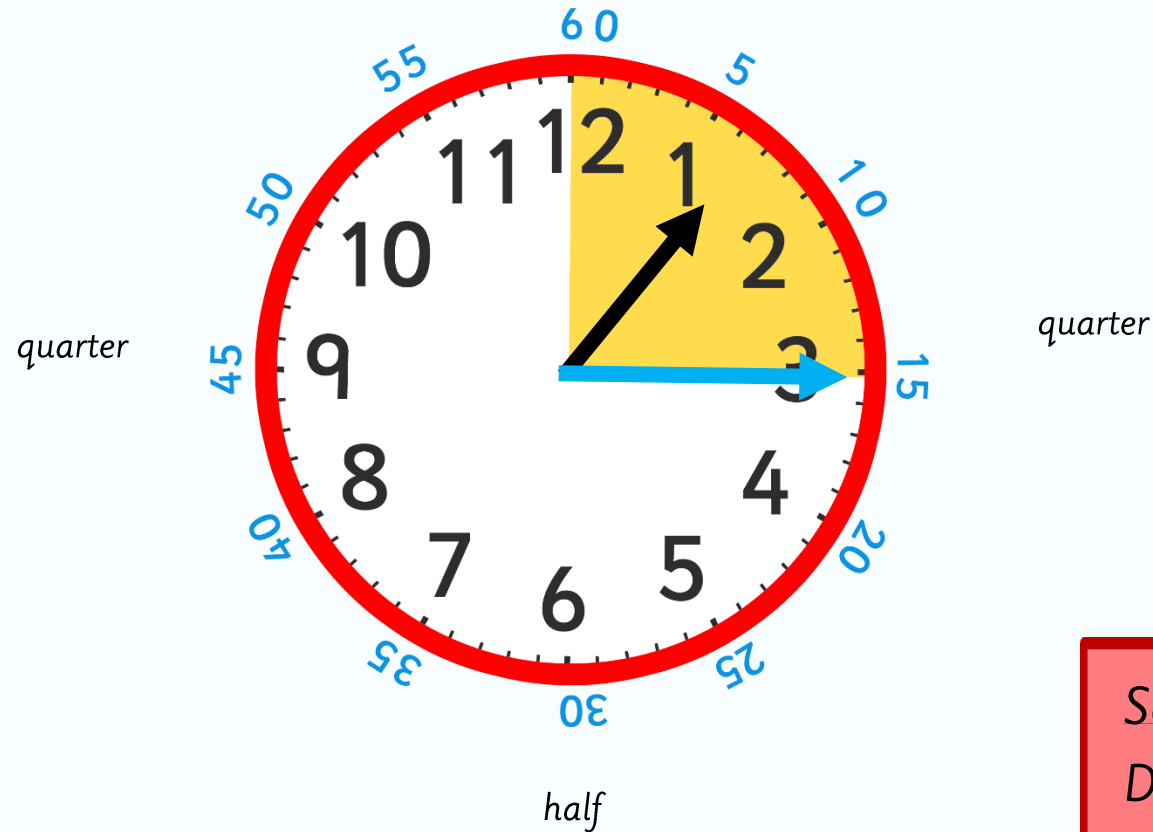
LQ: Can I tell the time at quarter past the hour?

Look at this time.

The big hand is pointing at 3, which is the first quarter.

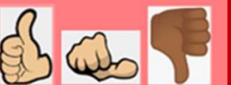
Where is the small hand pointing? Is it on the number?

It's actually a quarter of the way between 1 and 2.



Self Assessment

Do you understand how to tell the time in quarters?



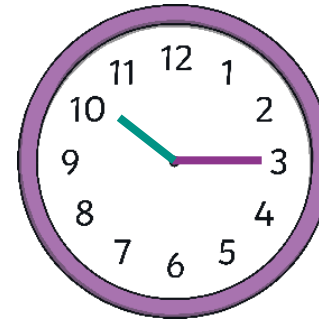
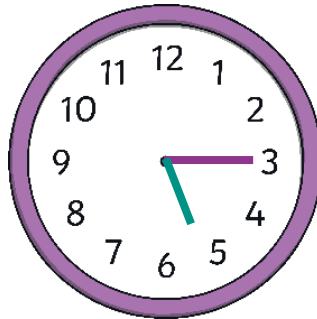
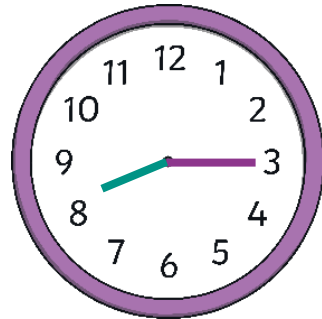
24.04.2024

LQ: Can I tell the time at quarter past the hour?

What is the same about these clocks?

What's different?

They all show quarter past an hour.



The minute hand points to 3.

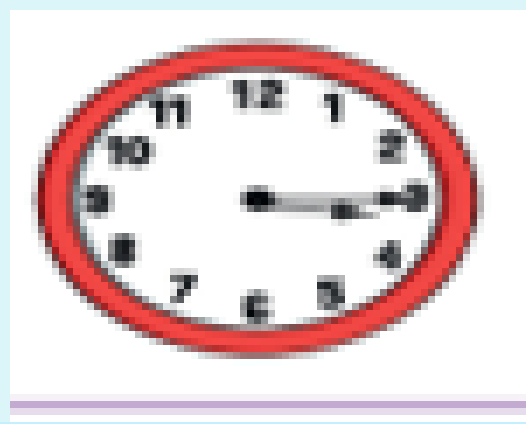
The hour hand points just after different numbers.



24.04.2024

LQ: Can I tell the time at quarter past the hour?

*I am going to call out lots of 'quarter past' times.  
These are going to be in quarters.  
You are going to make those times on your clocks.*



*Self Assessment*

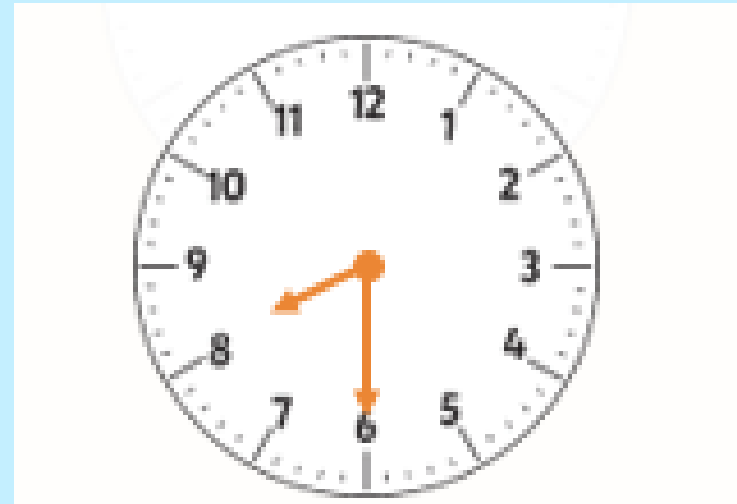
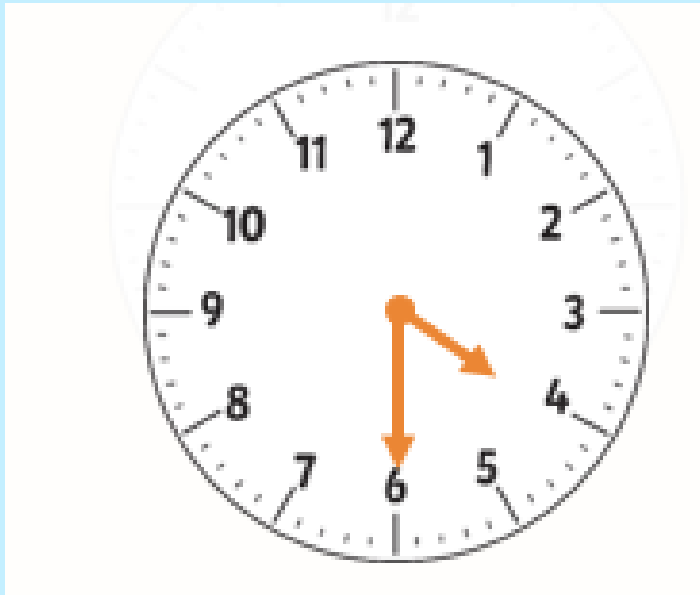
*Do you understand how to tell the time  
in quarters?*



24.04.2024

LQ: *Can I tell the time at quarter past the hour?*

TP: *The plane leaves at 4:30 in the afternoon. The flight takes 4 hours. What time does the flight arrive?*



24.04.2024

LQ: *Can I tell the time at quarter past the hour?*

*The train to Glasgow leaves at quarter past 2.*

*The train journey takes 3 hours.*

*What time does the train arrive in Glasgow?*




# LQ: Can I tell the time at quarter past the hour?

Complete the tasks in your books.




Clock, o'clock, half past, quarter past, quarter to, hour, minute



<p>1. Draw the hands on the clocks to show the quarter past</p>	<p>2. These clocks show the same time. Do you agree? Why? <i>I agree because ...</i> <i>I disagree because ...</i></p> <hr/> 	<p>3. Music starts at quarter past 1. It ends at quarter to 2. Art starts at half past 2 and ends at 3. <i>Which is longer?</i> <i>Use the clocks to check the duration.</i></p>
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Self Assessment  
Do you understand what to do?



25.04.2024



***LQ: Can I tell the time at quarter to the hour?***

*Steps to Success*

*I know the time is read 'past the hour' and 'to the hour'.*

*I can use the hour and minute hand to read and show quarter to.*

*I can solve word problems related to the time.*



# STAR WORDS



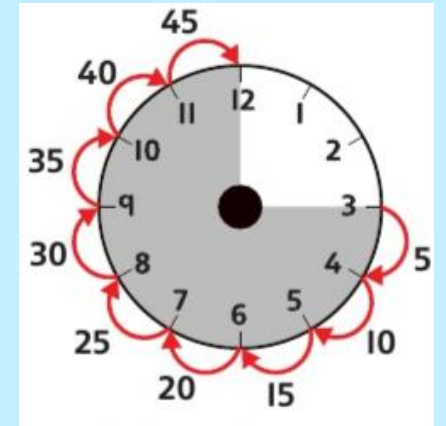
*start end*



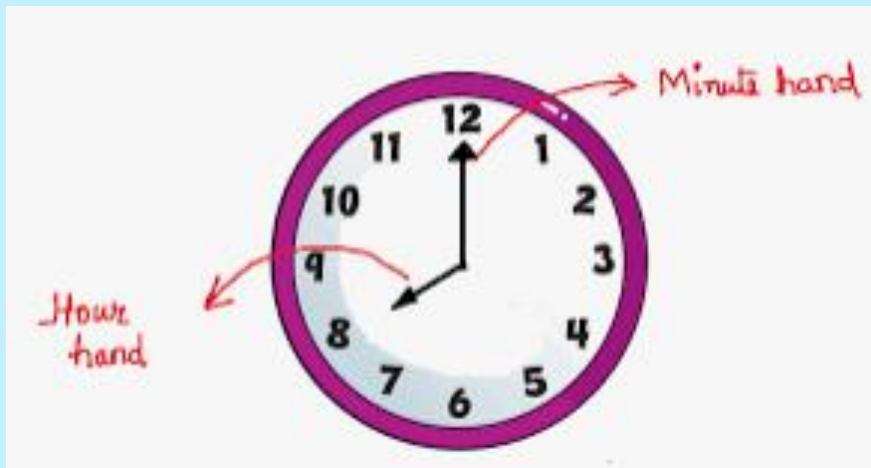
*time past*



*duration*



*5 minute intervals*



*minute hand*

*hour hand*

25.04.2024

LQ: *Can I tell the time at quarter to the hour?*

*Let's recap:*

- *How many seconds are there in a minute?*
- *How many minutes are there in an hour?*

*How many minutes are there in quarter of an hour?*

- *How many minutes are there in half an hour?*
- *How many days are there in a month?*
- *How many days are there in a year??*

25.04.2024

LQ: Can I tell the time at quarter to the hour?

What time is it?

Which clock is showing quarter past?  
Which clock is showing half past?  
Which clock is showing quarter to?

Clock 1: Shows 12:30. The hour hand is between 12 and 1, and the minute hand is at 6. The area from 12 to 6 is shaded green. Labels: Quarter, Half.

Clock 2: Shows 9:15. The hour hand is between 9 and 10, and the minute hand is at 3. The area from 9 to 12 is shaded green. Labels: Quarter, Half.

Clock 3: Shows 3:15. The hour hand is between 3 and 4, and the minute hand is at 3. The area from 12 to 3 is shaded green. Labels: Quarter, Half.

A quarter of an hour is 15 minutes. At quarter past, it is 15 minutes past the hour. Quarter to is 3 quarters past the hour, which is 45 minutes.



25.04.2024

*LQ: Can I tell the time at quarter to the hour?*



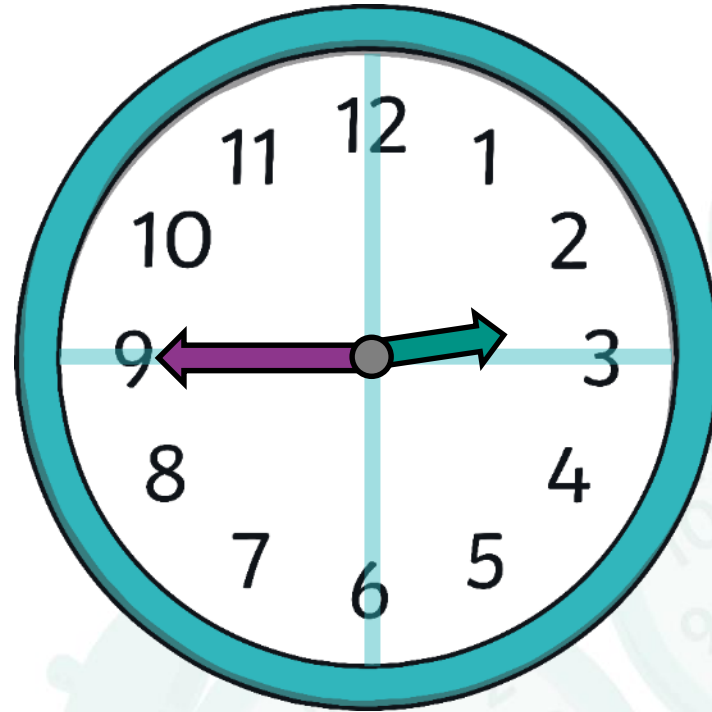
*Today we are going to practice showing quarter to the hour.*

*Self Assessment*

*Do you understand how to tell the time for 'quarter to the hour?'*



Check the position of the hour hand and then the minute hand to read the time.

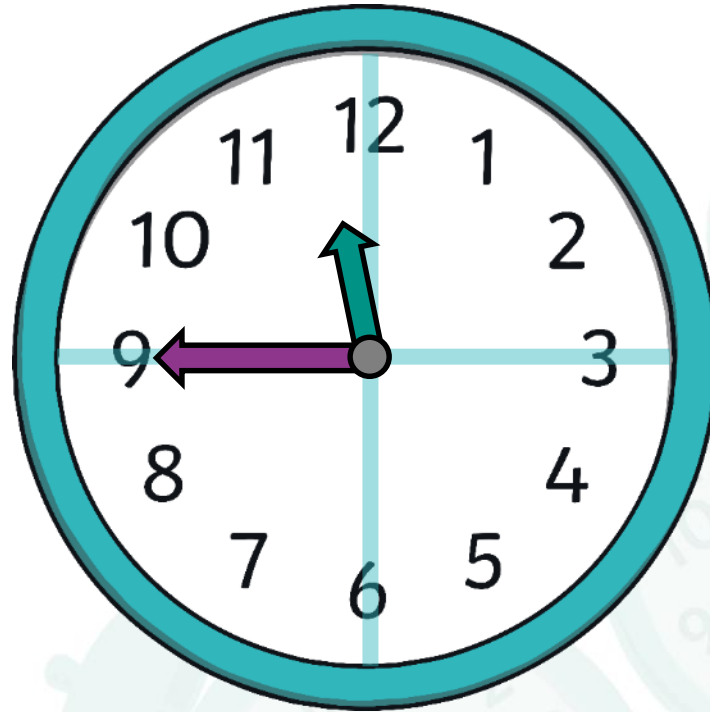


quarter to 3

25.04.2024

LQ: Can I tell the time at quarter to the hour?

Check the position of the hour hand and then the minute hand to read the time.



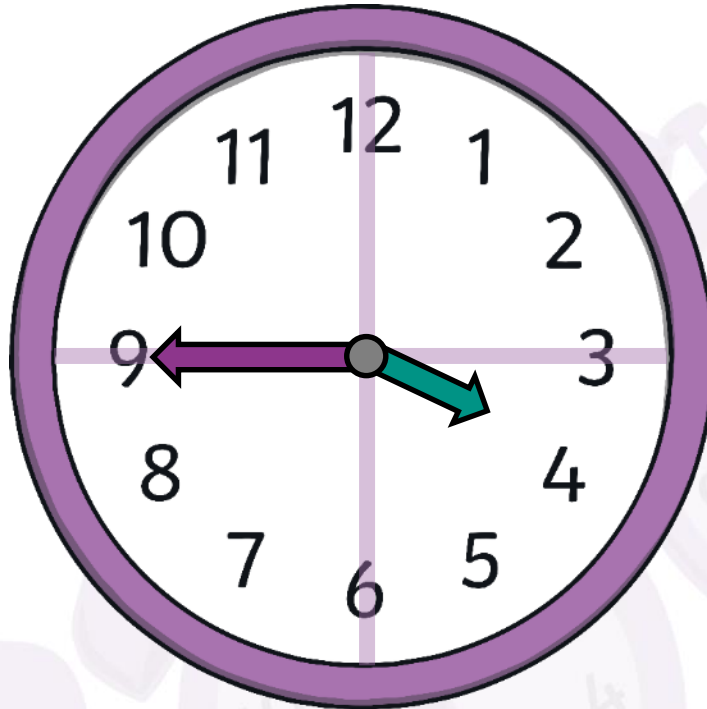
quarter to 12

25.04.2024

LQ: *Can I tell the time at quarter to the hour?*

*Show the time with the hour hand and then the minute hand.*

*quarter to 4*

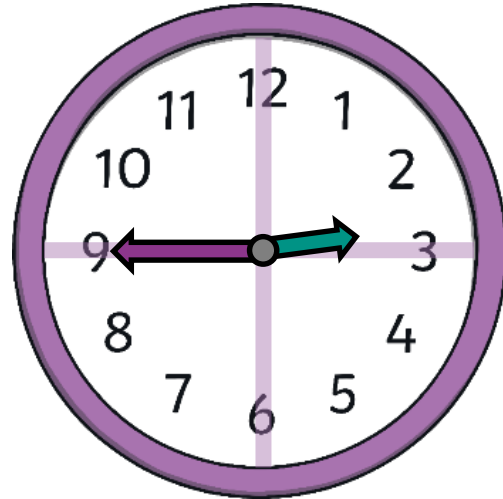


LQ: Can I tell the time at quarter to the hour?

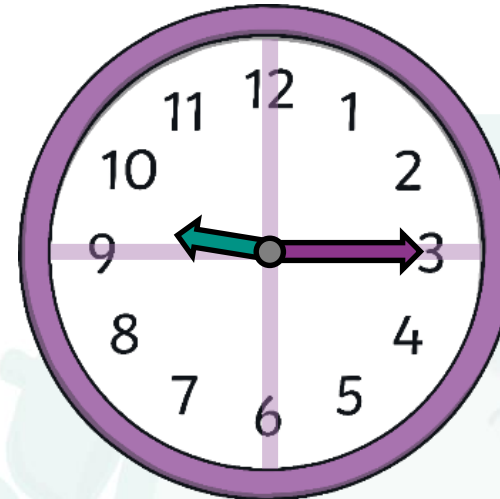


These clocks show the same time.

Do you agree or disagree?  
Explain how you know.



The hour hand points just before 3.  
The minute hand shows quarter to the hour.  
This clock shows **quarter to 3**.



The hour hand points just after 9.  
The minute hand shows quarter past the hour.  
This clock shows **quarter past 9**.

25.04.2024

LQ: Can I tell the time at quarter to the hour?

*I am going to call out lots of 'quarter to' times.  
These are going to be in quarters.  
You are going to make those times on your clocks.*



*Self Assessment*

*Do you understand how to tell the time  
in quarters?*



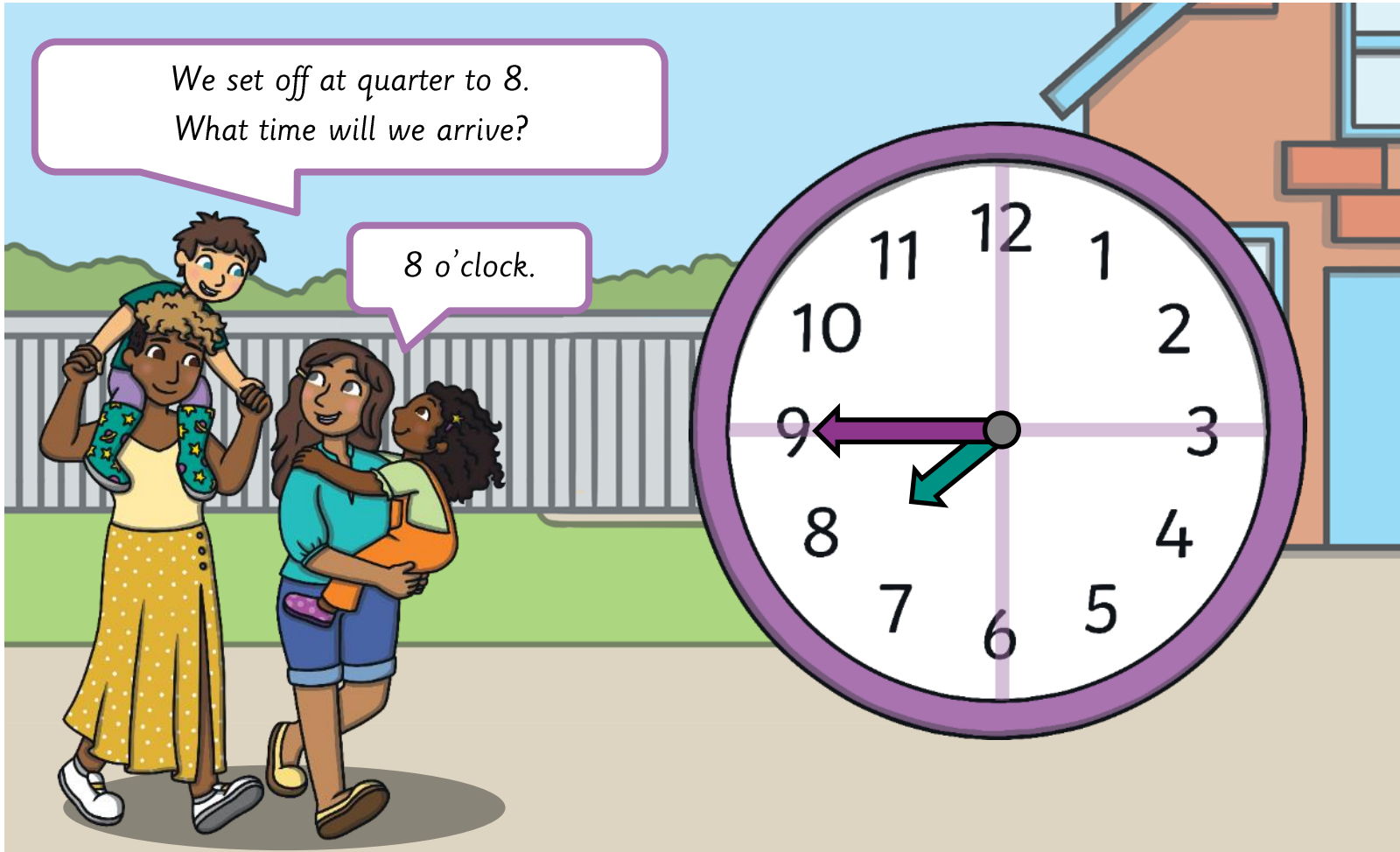
25.04.2024

LQ: Can I tell the time at quarter to the hour?

*It takes a quarter of an hour to walk to school.*

We set off at quarter to 8.  
What time will we arrive?

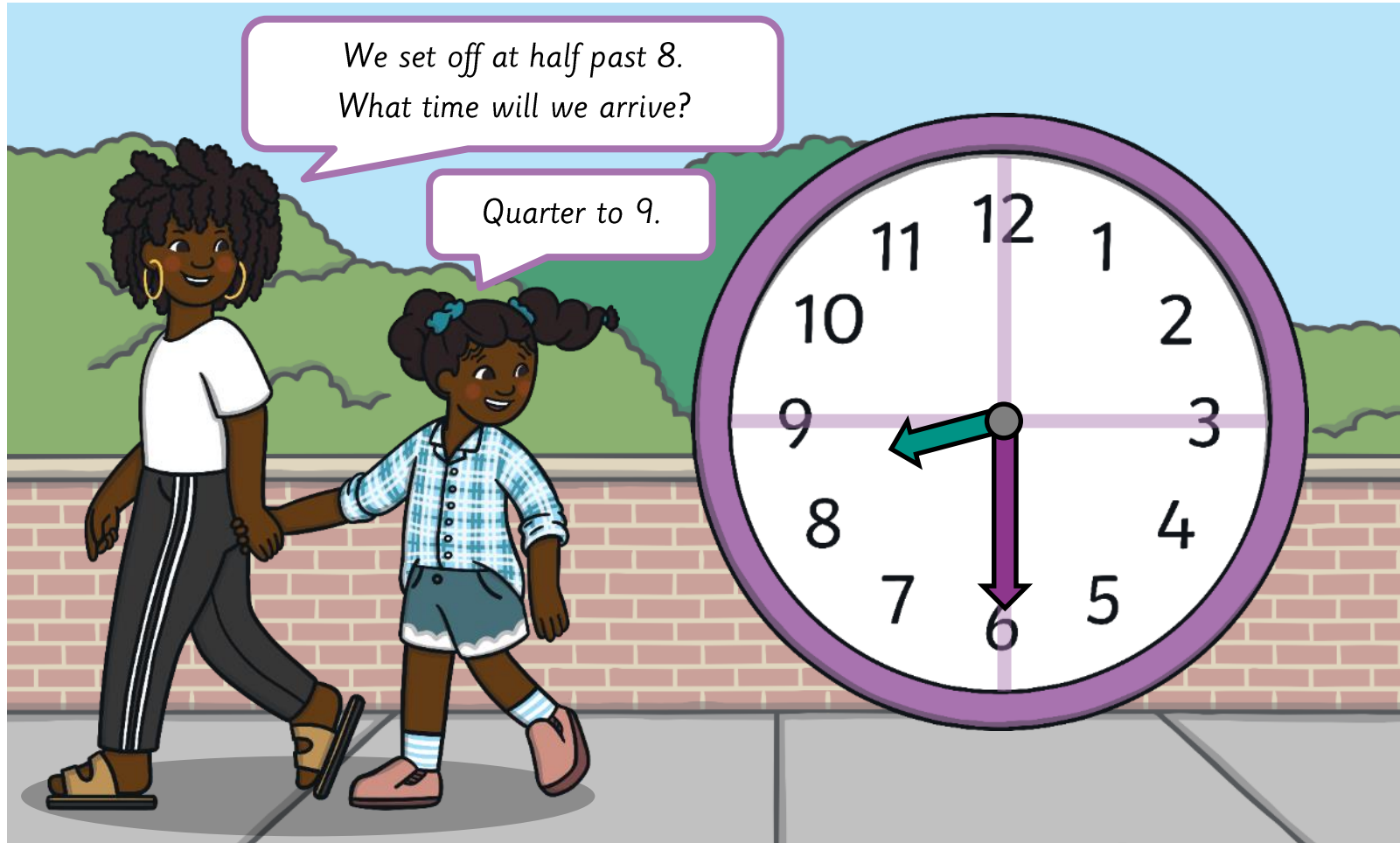
8 o'clock.



25.04.2024

LQ: Can I tell the time at quarter to the hour?

*It takes a quarter of an hour to walk to school.*

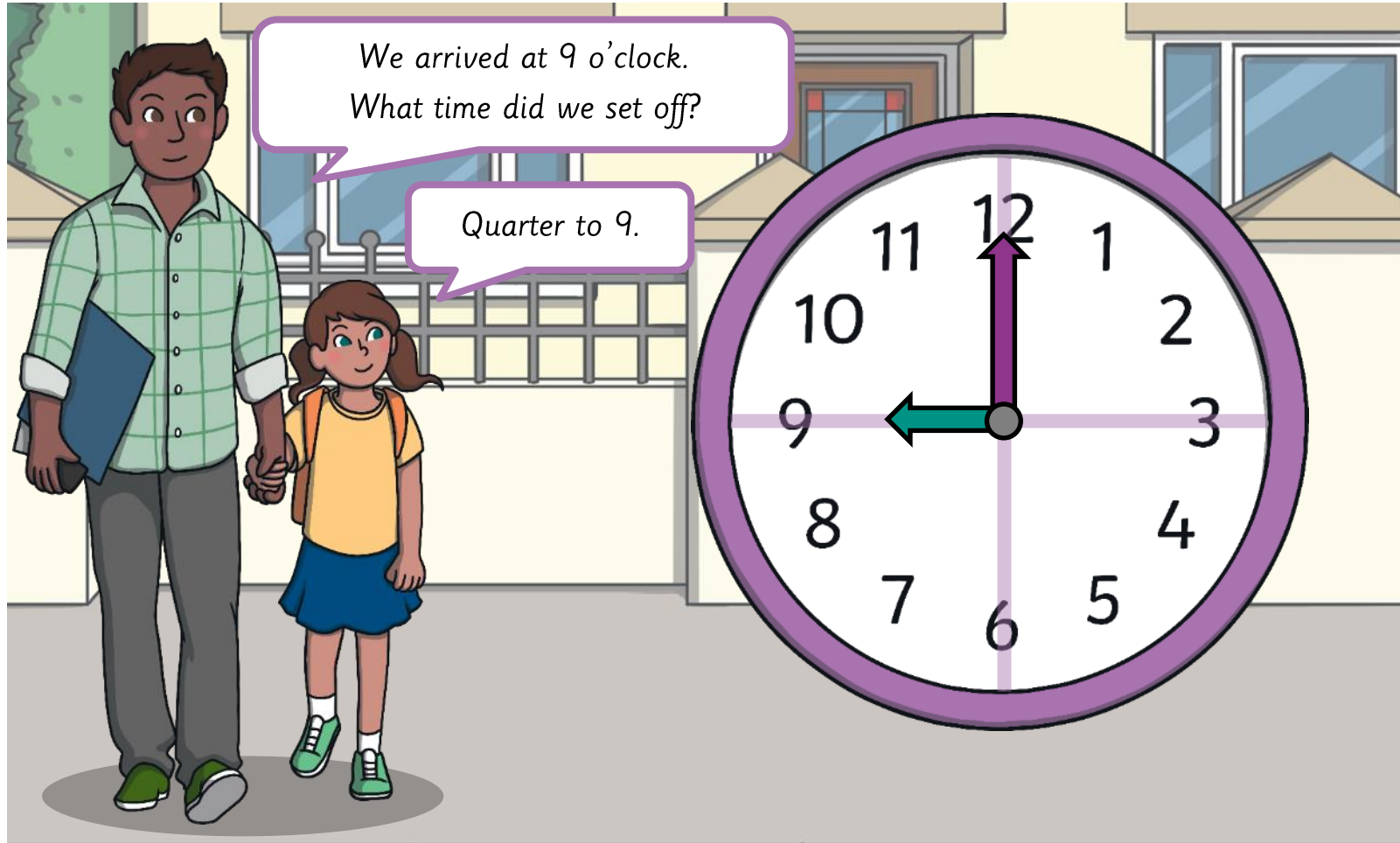




25.04.2024

LQ: Can I tell the time at quarter to the hour?

*It takes a quarter of an hour to walk to school.*

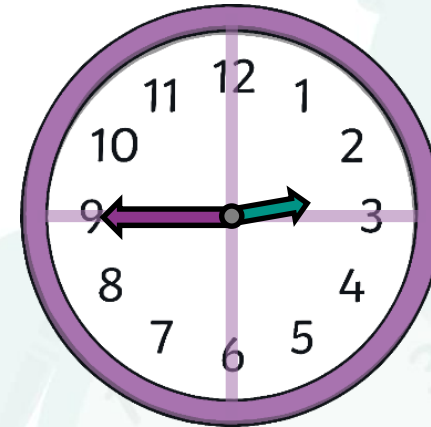


LQ: Can I tell the time at quarter to the hour?

School finishes at 3 o'clock.  
Hari's mum is going to collect him.  
It takes her a quarter of an hour to walk to school.



Oh no! I'm late!

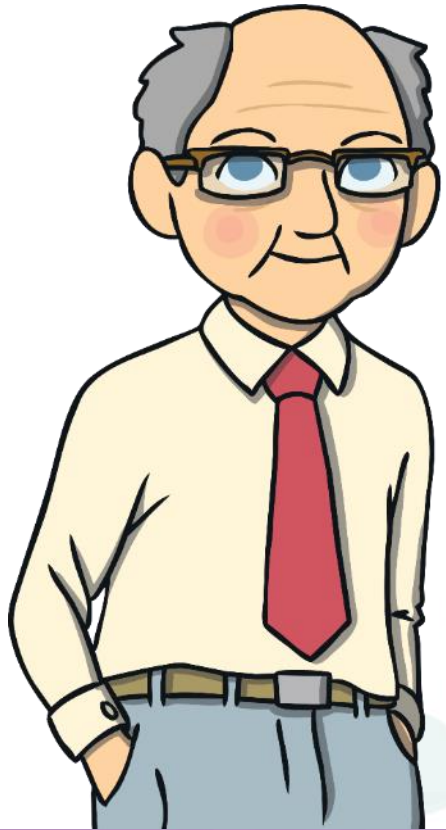


Do you agree? Is Hari's mum late?

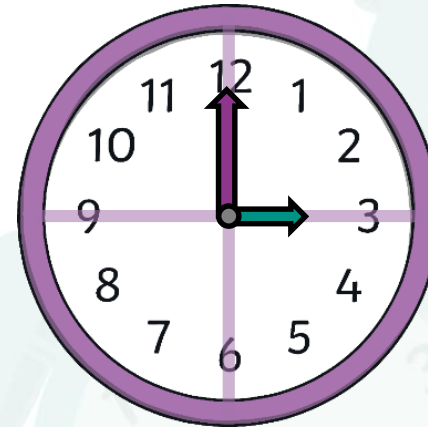
It is quarter to 3.  
It is a quarter of an hour until 3 o'clock.  
Hari's mum is not late.

LQ: Can I tell the time at quarter to the hour?

School finishes at quarter to 3.  
Sadie's grandad is going to collect her.  
It takes him a quarter of an hour to walk to school.



Oh no! I'm late!



Do you agree? Is Sadie's grandad late?

It is 3 o'clock.  
School finished at quarter to 3.  
Sadie's grandad is late.

25.04.2024

**LQ: Can I tell the time at quarter to the hour?**

*Let's practice drawing the time on each clock.*

*Let's practice showing the time.*



quarter to 9



quarter to 3



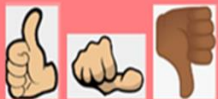
quarter to 5



quarter to 1

*Self Assessment*

*Do you understand how to draw the time for 'quarter to' the hour?*



26.04.2024

# Mental Maths

When we measure the temperature (measuring heat or coldness), we use Celsius  $^{\circ}\text{C}$ .

The scales are measured in 2s.

What temperature does each thermometer show?

## Reading Thermometers

Write the correct temperatures underneath each thermometer.

The image shows four identical thermometers arranged horizontally. Each thermometer has a vertical scale from 0 to 50 in increments of 2. The scales are labeled on the right side of each thermometer. Below each thermometer is a blank line followed by a degree Celsius symbol ( $^{\circ}\text{C}$ ). The liquid levels in the thermometers are as follows:

- Thermometer 1: Empty (0  $^{\circ}\text{C}$ )
- Thermometer 2: 41  $^{\circ}\text{C}$
- Thermometer 3: 16  $^{\circ}\text{C}$
- Thermometer 4: 47  $^{\circ}\text{C}$



26.04.2024



**LQ: Can I tell the time at quarter to the hour?**

*Steps to Success*

*I know the time is read 'past the hour' and 'to the hour'.*

*I can use the hour and minute hand to read and show quarter to.*

*I can solve word problems related to the time.*



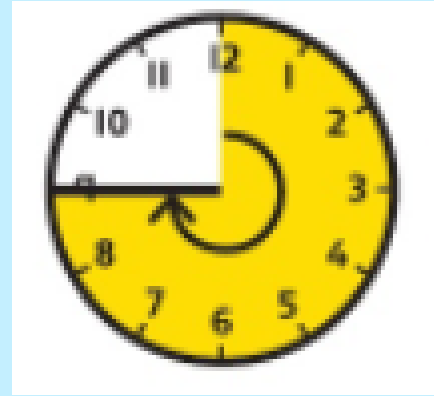
# STAR WORDS



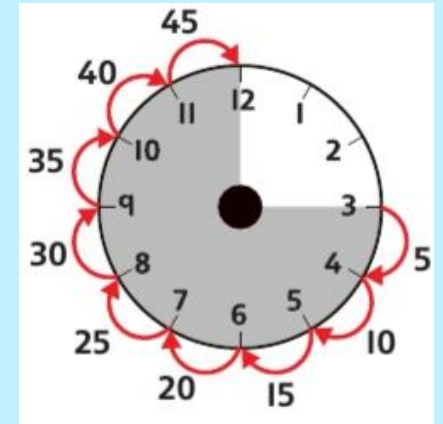
*start end*



*time past*



*duration*



*5 minute intervals*



*minute hand*

*hour hand*



26.04.2024

LQ: *Can I tell the time at quarter to the hour?*

*Let's recap:*

- *How many seconds are there in a minute?*
- *How many minutes are there in an hour?*

*How many minutes are there in quarter of an hour?*

- *How many minutes are there in half an hour?*
- *How many days are there in a month?*
- *How many days are there in a year??*

26.04.2024

LQ: Can I tell the time at quarter to the hour?

What time is it?

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Which clock is showing half past?  
Which clock is showing quarter to?

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A quarter of an hour is 15 minutes. At quarter past, it is 15 minutes past the hour. Quarter to is 3 quarters past the hour, which is 45 minutes.

25.04.2024

LQ: Can I tell the time at quarter to the hour?

*I am going to call out lots of 'quarter to' times.  
These are going to be in quarters.  
You are going to make those times on your clocks.*



*Self Assessment*

*Do you understand how to tell the time  
in quarters?*





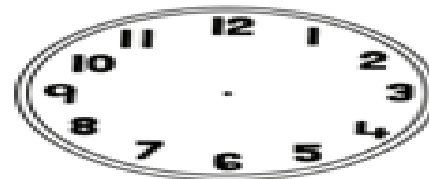
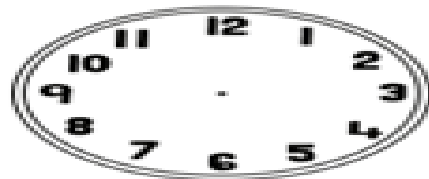
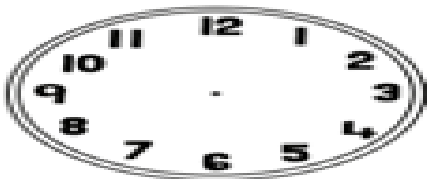
26.04.2024

# LQ: Can I tell the time at quarter to the hour?

Complete the tasks in your books.

★ Clock, o'clock, half past, quarter past, quarter to, hour, minute ★

<p>1. Draw the hands on the clocks to show the quarter to</p>	<p>2. It takes Isaac fifteen minutes to clean his bedroom. He started at this time:</p>  <p>What time will he finish cleaning?</p>	<p>3. It takes a quarter of an hour to travel to school. If we set off at quarter to 8, we'll get to school at 9 o'clock. Is she correct? Why?</p> 
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Self Assessment  
Do you understand what to do?

