



- 1)
 - a) 30 minutes
 - b) 45 minutes
 - c) 1 hour and 42 minutes

- 2)
 - a) 44 minutes
 - b) 1 hour and 21 minutes
 - c) 2 hours and 19 minutes

- 1) Children should agree with Elena because she is correct. Elena will arrive at school at 8:45 a.m. and Felix will arrive at 8:50 a.m. so Elena arrives 5 minutes before Felix.
- 2) Drew has added 45 minutes to 10:50. They have forgotten there are 60 minutes in an hour and not 100. The time should be 11:35.
- 3) The statement is true. Elias will arrive at 3:25 p.m.



- 1) Multiple answers are possible. The start and end times should be an equal amount of time away from 4:15 p.m. (the halfway point in the journey).



For example:


- A 40 minute journey starting at 3:55 p.m. and ending at 4:35 p.m.
 - A 50 minute journey starting at 3:50 p.m. and ending at 4:40 p.m.
 - A 1 hour journey starting at 3:45 p.m. and ending at 4:45 p.m.
 - A 1 hour and 20 minute journey starting at 3:35 p.m. and ending at 4:55 p.m.
- 2) Hari's dad needs to pay £12. The car was parked for 1 hour and 36 minutes so his dad needs to pay for 4 lots of 30 minutes.
 - 3)
 - a) Accept any answers between but not including 2:05 p.m. and 2:45 p.m.
 - b) Accept any answers between but not including 2:20 p.m. and 3:00 p.m.

Hours and Minutes – Use Start and End Times




1) Below are the start and finish times of some activities. Work out the duration of each activity.

a)



start



end


b)

9:45

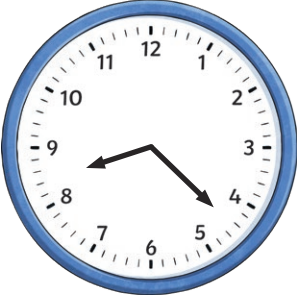
10:30

startend

c)



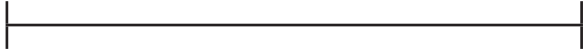
start



end

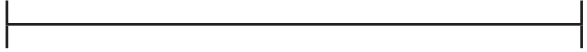
2) Work out the durations of time. Use number lines to help you.

a) From 6:34 p.m. to 7:18 p.m.



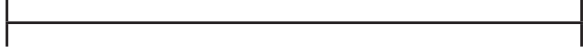
6:34 p.m. 7:18 p.m.

b) From 11:27 a.m. to 12:48 p.m.



11:27 a.m. 12:48 p.m.

c) From 2:13 p.m. to 4:32 p.m.



2:13 p.m. 4:32 p.m.

Hours and Minutes – Use Start and End Times



1) Who do you agree with? Explain your reasoning.



Felix

My journey to school takes 15 minutes. I set off at 8:35 a.m. so I arrive at school first.



Elena

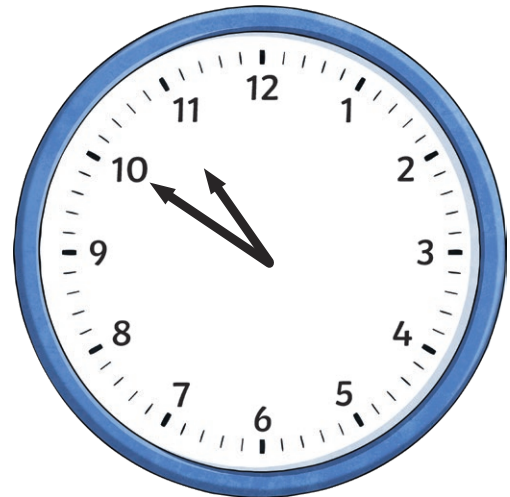
My journey to school takes 20 minutes. I set off at 8:25 a.m. so I arrive first.

2) Drew is working out what time it will be in 45 minutes. Explain the mistake that they have made.



Drew

It will be 10:95 in 45 minutes.

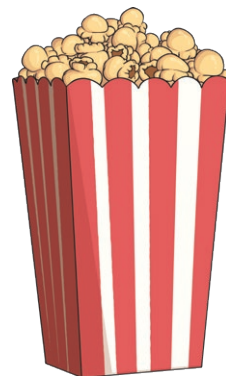


3) Is this statement true or false? Explain how you know.



Elias

I am meeting my friend at the cinema at 3:25 p.m. and it will take me 35 minutes to walk there. I plan to set off at 2:50 p.m. because then I will arrive on time.

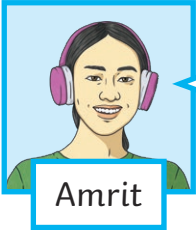




Hours and Minutes – Use Start and End Times



- 1) Amrit is travelling on a train. It is now 4:15 p.m. and Amrit has done exactly half of her journey.



In total, I will be on the train for more than 30 minutes but less than 1 hour and 30 minutes.

Find two possible start and end times for the journey.

- 2) A car park charges £3 for every 30 minutes of parking.

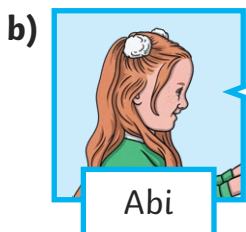


My Dad parked his car in the car park from 3:34 p.m. to 5:10 p.m.
How much does he need to pay for parking?

£

- 3) A film lasts longer than 50 minutes but less than 1 hour and 30 minutes.

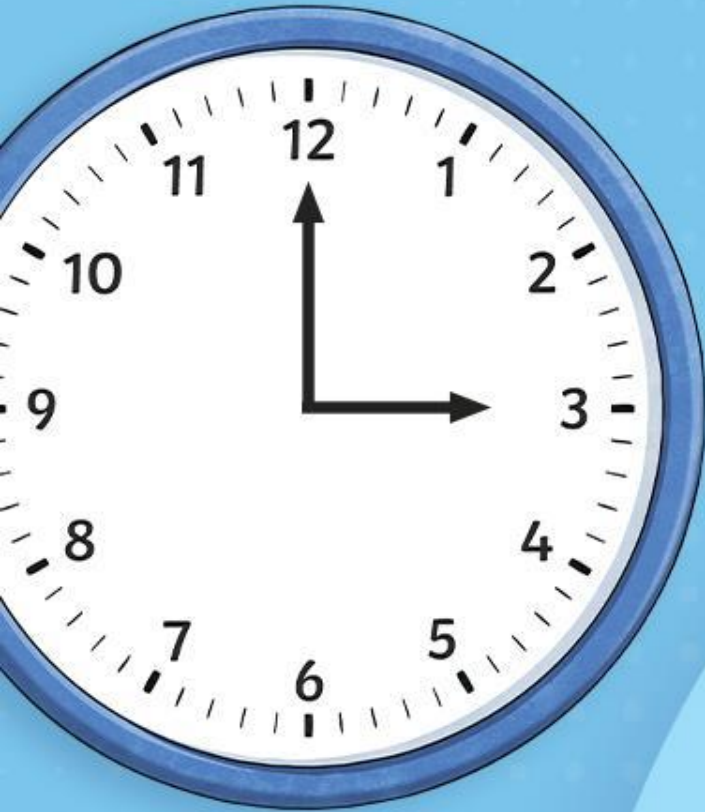
- a) The time was 1:15 p.m. when the film started. Find three possible times it could have ended.

I went to a later showing of the same film and walked home after the film finished. It took me 30 minutes to walk home. I arrived home at 4:20 p.m. Find three times at which the film could have started.

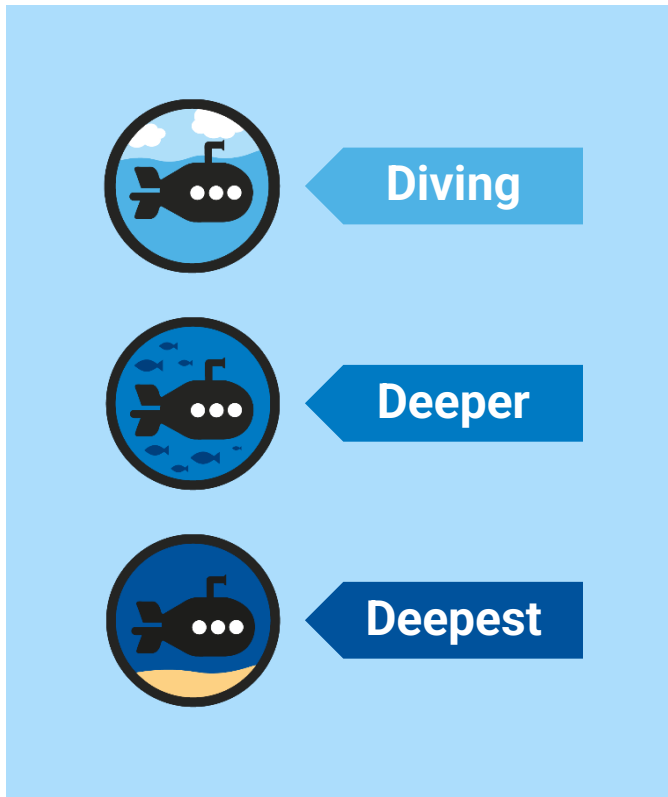
Diving into Mastery



Hours and Minutes – Use Start and End Times

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

National Curriculum Aim

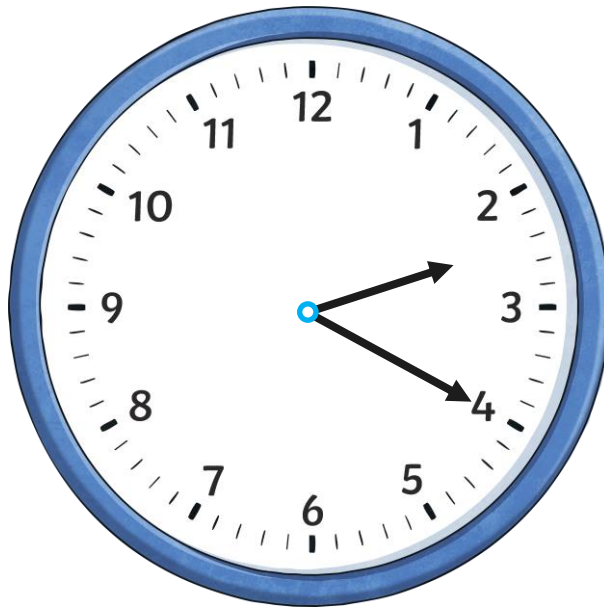
- Compare durations of events

Hours and Minutes – Use Start and End Times

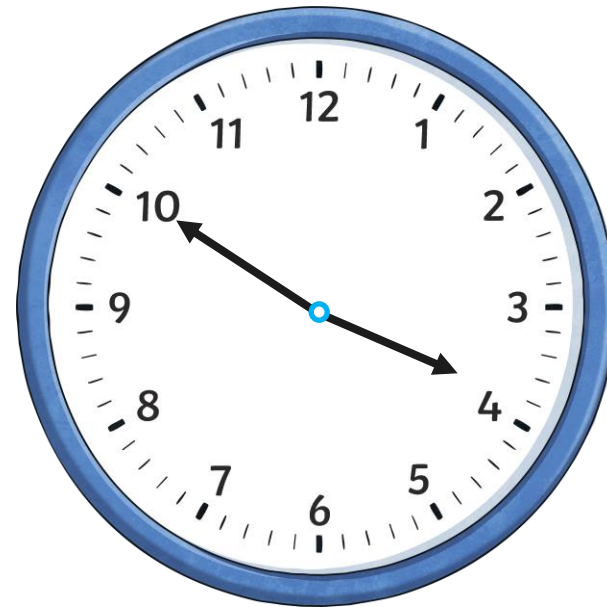
Diving



The clocks show the start and finish time of an activity.
Work out the duration of the activity.



start



finish

hour and minutes

Hours and Minutes – Use Start and End Times

Diving



Draw a number line to work out the duration of time from 6:14 p.m. to 8:05 p.m.



hour and minutes



Felix and Elena have arranged to meet at the park. Who is correct?
Explain how you know.



It takes me 20 minutes to walk to the park. I set off at 2:35 p.m. so I will arrive at the park first.



It takes me 35 minutes to walk to the park. I set off at 2:15 p.m. so I will arrive at the park first.



Is this statement true or false? Explain how you know.

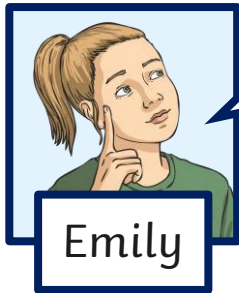


I am meeting my friend at the cinema at 2:55 p.m. and it will take me 35 minutes to walk there. I plan to set off at 2:30 p.m. because then I will arrive on time.

A large, empty rectangular box with a dark blue border, intended for the student to write their explanation.



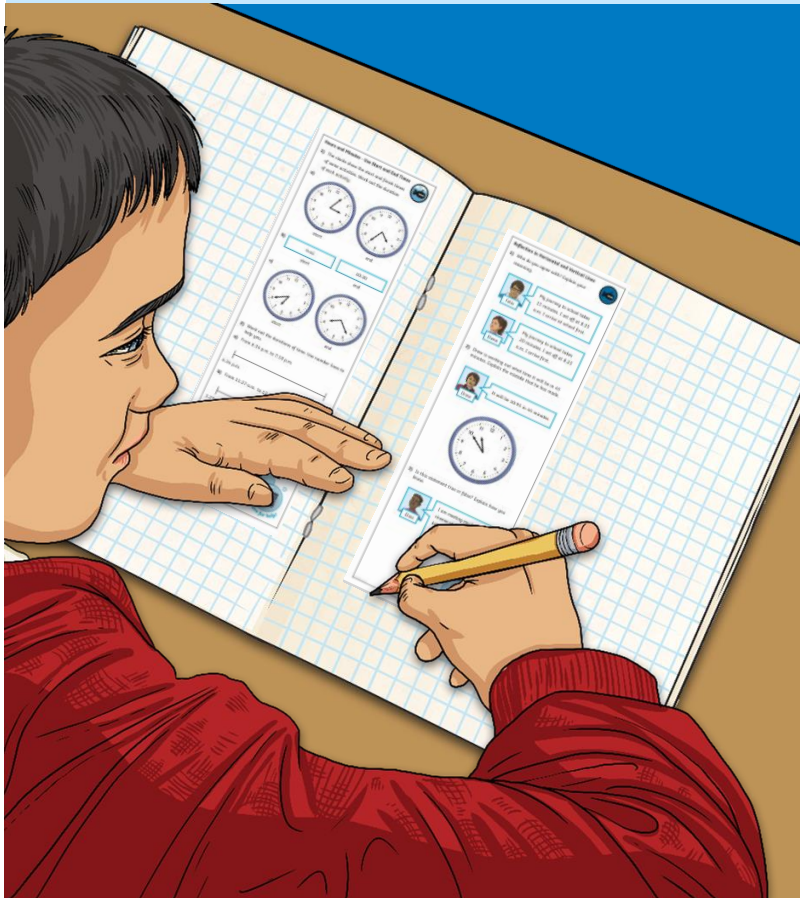
A car park charges £2 for every 30 minutes of parking.



My Dad parked his car in the car park from 1:56 p.m.
to 3:13 p.m.
How much does he need to pay for parking?

Hours and Minutes – Use Start and End Times



Dive in by completing your own activity!





Hours and Minutes - Use Start and End Times

1) The clocks show the start and finish times of some activities. Work out the duration of each activity.

a)


 start	 end	<input type="text"/>
b) <input type="text"/> 9:45	<input type="text"/> 10:30	<input type="text"/>
start	end	

c)


 start	 end	<input type="text"/>
--	--	----------------------

2) Work out the durations of time. Use number lines to help you.


a) From 6:34 p.m. to 7:18 p.m.

	<input type="text"/>
6.34 p.m.	7.18 p.m.

b) From 11:27 a.m. to 12:48 p.m.

	<input type="text"/>
1.27 a.m.	12.48 p.m.

c) From 2:13 p.m. to 4:32 p.m.

	<input type="text"/>
1.27 a.m.	12.48 p.m.

twinkl twinkl twinkl

visit [twinkl.com](https://www.twinkl.com)

Scan here for help!

Hours and Minutes – Use Start and End Times



1) Below are the start and finish times of some activities. Work out the duration of each activity.

a)



start

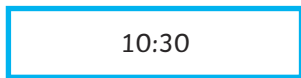


end

b)

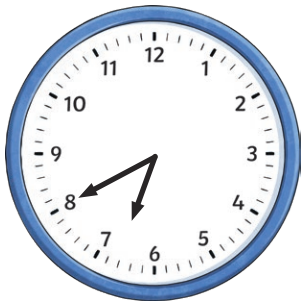


start



end

c)



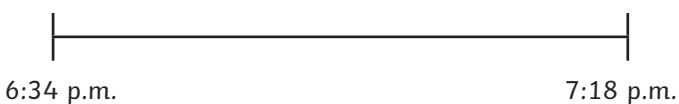
start



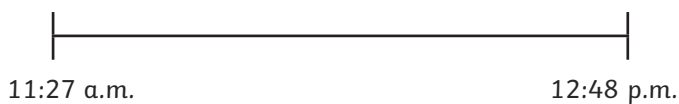
end

2) Work out the durations of time. Use number lines to help you.

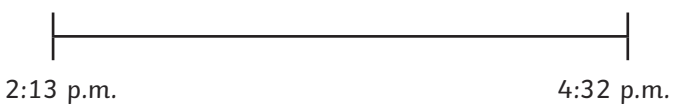
a) From 6:34 p.m. to 7:18 p.m.



b) From 11:27 a.m. to 12:48 p.m.



c) From 2:13 p.m. to 4:32 p.m.

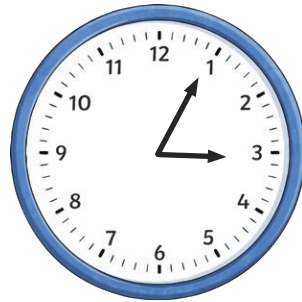


Hours and Minutes – Use Start and End Times



1) Below are the start and finish times of some activities. Work out the duration of each activity.

a)

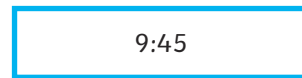


start

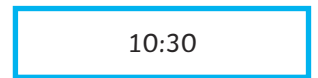


end

b)

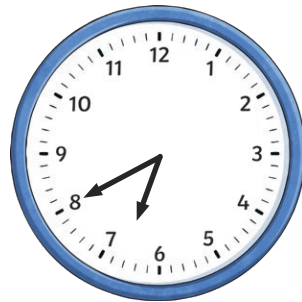


start

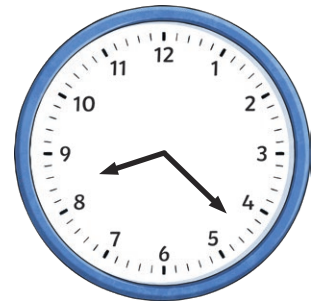


end

c)



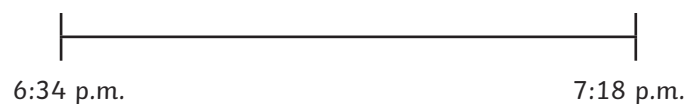
start



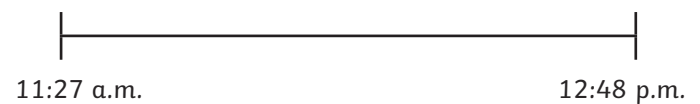
end

2) Work out the durations of time. Use number lines to help you.

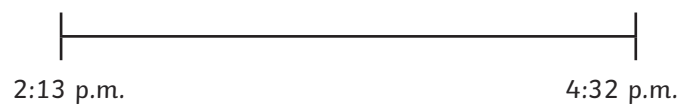
a) From 6:34 p.m. to 7:18 p.m.



b) From 11:27 a.m. to 12:48 p.m.



c) From 2:13 p.m. to 4:32 p.m.



Hours and Minutes – Use Start and End Times



- 1) Who do you agree with? Explain your reasoning.



My journey to school takes 15 minutes. I set off at 8:35 a.m. so I arrive at school first.

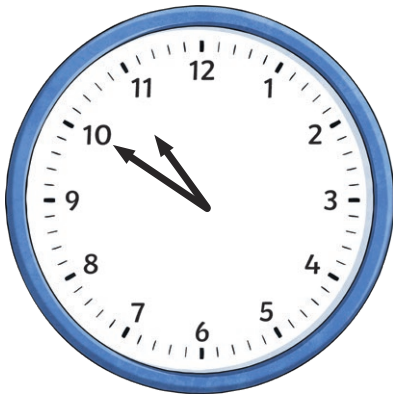


My journey to school takes 20 minutes. I set off at 8:25 a.m. so I arrive first.

- 2) Drew is working out what time it will be in 45 minutes. Explain the mistake that they have made.



It will be 10:95 in 45 minutes.



- 3) Is this statement true or false? Explain how you know.



I am meeting my friend at the cinema at 3:25 p.m. and it will take me 35 minutes to walk there. I plan to set off at 2:50 p.m. because then I will arrive on time.



Hours and Minutes – Use Start and End Times



- 1) Who do you agree with? Explain your reasoning.



My journey to school takes 15 minutes. I set off at 8:35 a.m. so I arrive at school first.

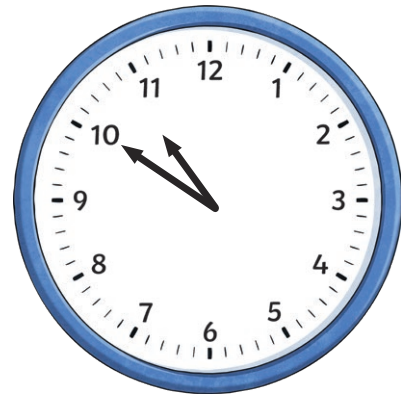


My journey to school takes 20 minutes. I set off at 8:25 a.m. so I arrive first.

- 2) Drew is working out what time it will be in 45 minutes. Explain the mistake that they have made.



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I am meeting my friend at the cinema at 3:25 p.m. and it will take me 35 minutes to walk there. I plan to set off at 2:50 p.m. because then I will arrive on time.



Hours and Minutes – Use Start and End Times



- 1) Amrit is travelling on a train. It is now 4:15 p.m. and Amrit has done exactly half of her journey.

In total, I will be on the train for more than 30 minutes but less than 1 hour and 30 minutes.



Amrit

Find two possible start and end times for the journey.

- 2) A car park charges £3 for every 30 minutes of parking.

My Dad parked his car in the car park from 3:34 p.m. to 5:10 p.m.

How much does he need to pay for parking?



Hari

- 3) A film lasts longer than 50 minutes but less than 1 hour and 30 minutes.

- a) The time was 1:15 p.m. when the film started. Find three possible times it could have ended.

b)

I went to a later showing of the same film and walked home after the film finished. It took me 30 minutes to walk home. I arrived home at 4:20 p.m. Find three times at which the film could have started.



Abi

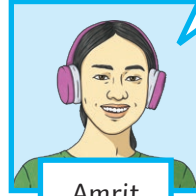


Hours and Minutes – Use Start and End Times



- 1) Amrit is travelling on a train. It is now 4:15 p.m. and Amrit has done exactly half of her journey.

In total, I will be on the train for more than 30 minutes but less than 1 hour and 30 minutes.



Amrit

Find two possible start and end times for the journey.

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My Dad parked his car in the car park from 3:34 p.m. to 5:10 p.m.

How much does he need to pay for parking?



Hari

- 3) A film lasts longer than 50 minutes but less than 1 hour and 30 minutes.

- a) The time was 1:15 p.m. when the film started. Find three possible times it could have ended.

b)

I went to a later showing of the same film and walked home after the film finished. It took me 30 minutes to walk home. I arrived home at 4:20 p.m. Find three times at which the film could have started.



Abi

