

# Can I find the duration of time?

Time
Knowledge Organiser

### 24-Hour Time

**There are 24 hours in a day.**

twinkl visit twinkl.com

	13:00	1 p.m.	1 o'clock	
	14:00	2 p.m.	2 o'clock	
	15:00	3 p.m.	3 o'clock	
	16:00	4 p.m.	4 o'clock	
	17:00	5 p.m.	5 o'clock	
	18:00	6 p.m.	6 o'clock	
	19:00	7 p.m.	7 o'clock	
	20:00	8 p.m.	8 o'clock	
	21:00	9 p.m.	9 o'clock	
	22:00	10 p.m.	10 o'clock	
	23:00	11 p.m.	11 o'clock	
	00:00	12 a.m.	12 o'clock	

### Calculate Durations of Time

Start

Duration

End

20 minutes has passed.

### Compare Durations of Time

Compare the time using the vocabulary 'longer' and 'shorter'.

180 seconds	is the same as	3 minutes.
90 minutes	is shorter than	2 hours.
48 hours	is longer than	1 day.

Year 3 Tuesday 2<sup>nd</sup> March 2021

# Watch the video

- <https://vimeo.com/436535580>
- Now complete the questions on the next slides
- Date your work for me please and if you did the work on your own with no help write an **I** at the top and if you had help please write **AS** at the top
- Don't forget to write your answers including your working out.

## Finding the duration

- 1 The table shows the start and finish times of some after-school clubs.

Club	Start time	Finish time
Drama	15:30	18:30
Art	15:30	16:30
Rowing	15:45	17:45

- a) How long does Drama club last?

Drama club lasts  hours.

- b) How long does Rowing club last?

Rowing club lasts  minutes.

- 2 The clocks show the start and finish times of some activities. Work out the duration of each.

- a)



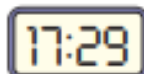
start



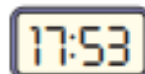
finish

minutes

- b)



start



finish

minutes

- c)



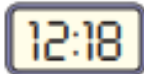
start



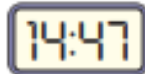
finish

minutes

- d)



start



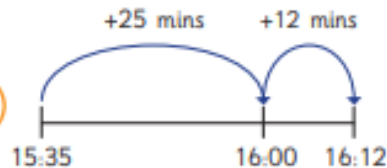
finish

minutes

- 3 Teddy went out on his bike at 15:35 and got home at 16:12. He wants to work out how long he was on his bike. Here are his workings.



I was out on my bike for 37 minutes.



Do you agree with Teddy? \_\_\_\_\_

Talk about it with a partner.



- 4 Work out the durations in minutes.

Use the number lines to help you.

- a) From 07:35 to 08:21 is  minutes.



- b) From 09:25 to 10:23 is  minutes.

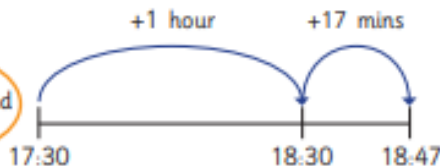


- 5 Tommy and Eva started watching a film at 17:30 and it finished at 18:47



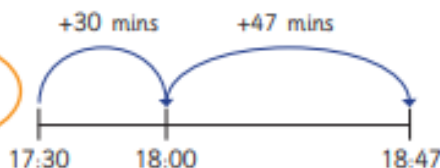
The film lasted 1 hour and 17 minutes.

Tommy



The film lasted 77 minutes.

Eva



Who do you agree with? \_\_\_\_\_  
Talk about it with a partner.



- 6 Teddy got on the bus at 15:27  
He got off the bus at 16:33

How long was his bus journey?

Give your answer in hours and minutes.

hour and  minutes

- 7 The film *Arctic Adventure* starts at 18:35  
and finishes at 20:56



How long does the film last?

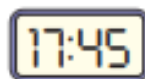
Give your answer in hours and minutes.

hours and  minutes

- 8 The clocks show the start and finish times of a race.



start



finish



Alex

The race lasted 2 hours and 15 minutes.

The race lasted 14 hours and 15 minutes.



Mo

Who do you agree with? \_\_\_\_\_

Talk about it with a partner.



# True or False ?

Finding the duration

You can only measure time in  
hours or minutes.



Use your ACE answer

Answer: True or False

Calculation: Draw the  
correct time

Explain: because

# ANSWER sheets

- Please check your answers using the answer sheets on the next slide.
- If you have made a mistake, can you explain what you did wrong and what you should have done instead?

## Finding the duration

- 1 The table shows the start and finish times of some after-school clubs.

Club	Start time	Finish time
Drama	15:30	18:30
Art	15:30	16:30
Rowing	15:45	17:45

- a) How long does Drama club last?

Drama club lasts **3** hours.

- b) How long does Rowing club last?

Rowing club lasts **120** minutes.

- 2 The clocks show the start and finish times of some activities. Work out the duration of each.

- a)



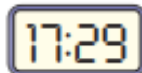
start



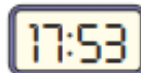
finish

**25** minutes

- b)



start



finish

**24** minutes

- c)



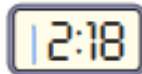
start



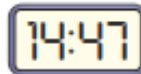
finish

**37** minutes

- d)



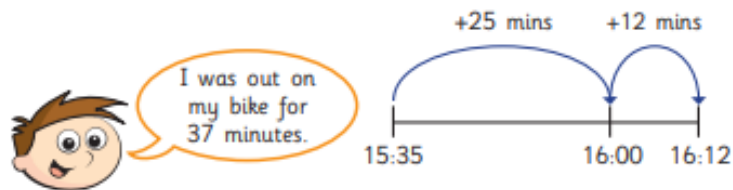
start



finish

**149** minutes

- 3 Teddy went out on his bike at 15:35 and got home at 16:12. He wants to work out how long he was on his bike. Here are his workings.



Do you agree with Teddy? Yes

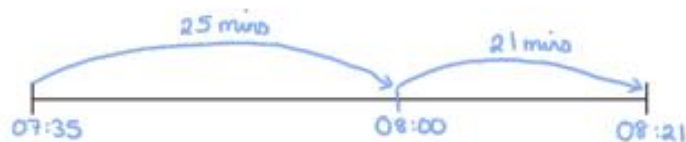
Talk about it with a partner.



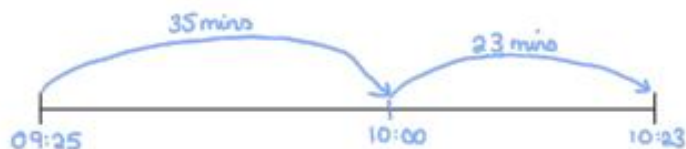
- 4 Work out the durations in minutes.

Use the number lines to help you.

a) From 07:35 to 08:21 is  minutes.



b) From 09:25 to 10:23 is  minutes.

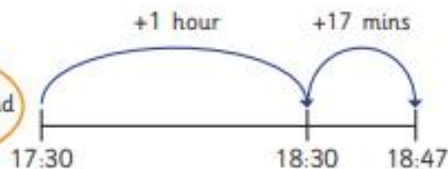


- 5 Tommy and Eva started watching a film at 17:30 and it finished at 18:47



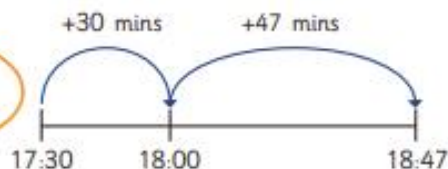
The film lasted 1 hour and 17 minutes.

Tommy



The film lasted 77 minutes.

Eva



Who do you agree with? Both

Talk about it with a partner.



- 6 Teddy got on the bus at 15:27

He got off the bus at 16:33

How long was his bus journey?

Give your answer in hours and minutes.

hour and  minutes

- 7 The film *Arctic Adventure* starts at 18:35 and finishes at 20:56



How long does the film last?

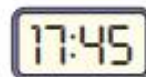
Give your answer in hours and minutes.

hours and  minutes

- 8 The clocks show the start and finish times of a race.



start



finish



The race lasted 2 hours and 15 minutes.

Alex

The race lasted 14 hours and 15 minutes.



Mo

Who do you agree with? Both (Alex is more likely to be correct)

Talk about it with a partner.





False

You can measure time in many ways. For example days, weeks, hours, half hours, quarter of an hour, minutes and seconds.

because