

Can I compare durations of time?

Time
Knowledge Organiser

24-Hour Time

There are 24 hours in a day.

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	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 Wednesday 3rd March 2021

- 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.

Comparing durations

- 1 The timetable shows Huan's morning at school.

09:00 – 10:00	Maths
10:00 – 10:15	Break
10:15 – 10:30	Phonics
10:30 – 11:15	Guided reading
11:15 – 12:00	English

- a) What is Huan's longest lesson in the morning?

How do you know?



- b) What is Huan's shortest lesson in the morning?

How do you know?



- c) Which two lessons are the same length?

How do you know?



- d) How much longer is Huan's Maths lesson than his Phonics lesson?

minutes

- 2 Annie and Amir both went to the park on Saturday.

a)



I got to the park at 12:30 and left at 13:07

How long did Annie spend at the park?

minutes

b)

I got to the park at 14:50 and left at 15:33



How long did Amir spend at the park?

minutes

- c) Who spent longer at the park? _____

How much longer did they spend there?

minutes

- 3 Write $<$, $>$ or $=$ to compare the durations.

a) 09:00 – 10:15 09:10 – 10:15

b) 19:00 – 20:15 18:50 – 20:10

- c) 08:56 – 09:15 08:36 – 08:55
- d) 17:51 – 18:34 17:43 – 18:20
- e) 13:05 – 14:22 07:16 – 08:09
- f) 12:21 – 15:16 14:01 – 17:01

- 4 The table shows some information about bus journeys from the station to town.

Bus	Leaves station	Arrives town
A	09:15	10:00
B	10:04	10:42
C	10:37	11:34
D	11:12	12:25

- a)  I know which bus journey was the longest without working out the durations.

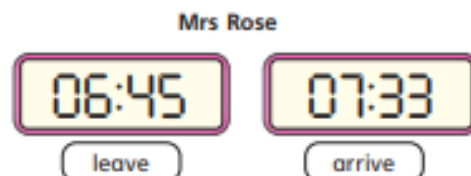
How does Eva know this? Talk about it with a partner.

- b) Which bus has the shortest journey time from the station to the town?

Bus _____

- c) Write the buses in order, starting with the one that takes the longest.

- 5 Mrs Rose and Mr White both look at the time when they leave for work and when they arrive at work.



Mr White leaves at 06:59 and arrives at the same time as Mrs Rose.

Who has the shortest journey time? _____

How do you know?

- 6 Two films are showing at the cinema.



Which film is longer? _____

Show your workings.

True or False ?

Comparing the duration

The football match was longer than the time it took to drive to the game.



	Start time	Finish time
Drive	9:05	10:25
Football match	11:25	13:05

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?

Comparing durations

- 1 The timetable shows Huan's morning at school.

09:00 – 10:00	Maths
10:00 – 10:15	Break
10:15 – 10:30	Phonics
10:30 – 11:15	Guided reading
11:15 – 12:00	English

- a) What is Huan's longest lesson in the morning?

Maths

How do you know?



- b) What is Huan's shortest lesson in the morning?

Phonics

How do you know?



- c) Which two lessons are the same length?

Guided reading and English

How do you know?



- d) How much longer is Huan's Maths lesson than his Phonics lesson?

45 minutes

- 2 Annie and Amir both went to the park on Saturday.

a)



I got to the park at 12:30 and left at 13:07

How long did Annie spend at the park?

37 minutes

b)

I got to the park at 14:50 and left at 15:33



How long did Amir spend at the park?

45 minutes

- c) Who spent longer at the park? Amir

How much longer did they spend there?

6 minutes

- 3 Write $<$, $>$ or $=$ to compare the durations.

a) 09:00 – 10:15 $>$ 09:10 – 10:15

b) 19:00 – 20:15 $<$ 18:50 – 20:10

c) 08:56 – 09:15 $\left(= \right)$ 08:36 – 08:55

d) 17:51 – 18:34 $\left(> \right)$ 17:43 – 18:20

e) 13:05 – 14:22 $\left(> \right)$ 07:16 – 08:09

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Bus	Leaves station	Arrives town
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- a)  I know which bus journey was the longest without working out the durations.

How does Eva know this? Talk about it with a partner.

- b) Which bus has the shortest journey time from the station to the town?

Bus B

- c) Write the buses in order, starting with the one that takes the longest.

D C A B

- 5 Mrs Rose and Mr White both look at the time when they leave for work and when they arrive at work.



Mr White leaves at 06:59 and arrives at the same time as Mrs Rose.

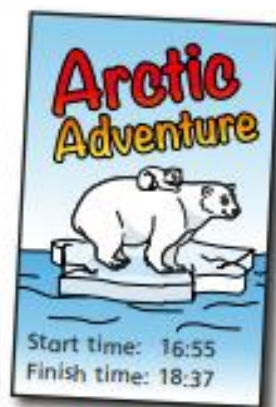
Who has the shortest journey time? Mr White

How do you know?

- 6 Two films are showing at the cinema.



1h 36m



1h 42m

Which film is longer? Arctic Adventure

Show your workings.

True

because

The football match was 20 minutes longer than the time it took to drive to the game.

	Start time	Finish time	Duration
Drive	9:05	10:25	80 minutes
Football match	11:25	13:05	100 minutes