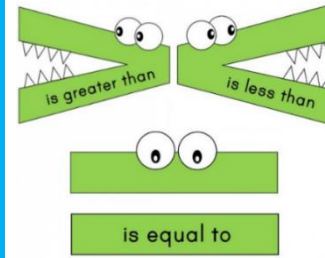


1 second is a very short amount of time

60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day



1. Watch the video about **seconds, minutes, and hours** <https://www.youtube.com/watch?v=gEStq1e1Qrc>
2. Starter: Look at the activities and put them in order from the **shortest length of time** to the **longest**
3. In your book, answer the questions comparing the different lengths of time

Model:



<https://www.youtube.com/watch?v=gEStq1e1Qrc>

3.

1. **True or false?** Write the correct version of each statement.

- 10 seconds < 10 minutes
- 30 seconds > 30 minutes
- 30 seconds < 1 minute

2. **True or false?** Write the correct version of each statement.

- 17 seconds > 7 hours
- 60 seconds < 1 minute
- 65 minutes > 1 minute 8 seconds

3. These times are in the **morning**. Write the **earliest** time.



2.

Order these activities from the shortest length of time to the longest.

brush your teeth

a day at school

travel to school

watch a film

lunch time

a family holiday

4. These times are in the **afternoon**. Write the **latest** time.



5a. Sarah did 10 star jumps faster than Jimmy. **True or false?**

Name	Time
Sarah	34 seconds
Jimmy	37 seconds
Michelle	1 minute

5b. Who came 2nd in the competition?

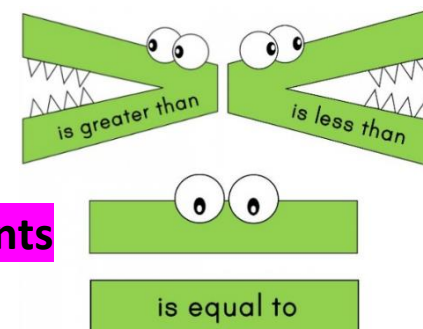
6a. Holly ran around the park slower than Isaac. **True or false?**

Name	Time
Isaac	11 minutes
Robbie	15 minutes
Holly	10 minutes

6b. Who came 1st in the competition?

Task:

You are going to be comparing **intervals of time** and/or **durations of events**



Success Criteria:

1. Read the questions about **minutes in an hour** and **hours in a day**, talk through them with a sibling or grown-up if possible
2. Watch the video about counting in 5s – sing along! <https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/zw8qxfr>
3. **Task 1a:** Use $<$, $>$ or $=$ to complete the statements. **2a.** Order the lengths of time (see model)
4. **Task 2:** Read the tables and answer the questions, you will have to work out how long each journey takes first!

Model:

1. How many minutes are in a quarter of an hour?



How many minutes are in half an hour?



How many minutes are in three quarters of an hour?



3. Put the durations in order from shortest to longest.

A. one o'clock to half past one	
B. 35 minutes	
C. three quarters of an hour	
D. 40 minutes	
E. 60 minutes	
F. quarter to four to four o'clock	

1 o'clock to half past (30 mins)	2
35 minutes	3
three quarters of an hour (45 mins)	5
40 minutes	4
60 minutes	6
quarter to 4 to 4 o'clock (15 mins)	1

2.



<https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/zw8qxfr>

4.

How much longer does Bus A take than Bus B?

Bus	James Avenue	Corner Street
A	07:45	08:25
B	08:35	09:05

Bus A = 40 minutes
 Bus B = 30 minutes
 $40 - 30 = 10$
 Bus A takes 10 minutes longer

Task 1

Practice

Use $<$, $>$ or $=$ to complete the statements

- 1.
- | | | |
|---------------------------|----------------------|----------------------|
| 30 minutes | <input type="text"/> | 10 minutes |
| One hour | <input type="text"/> | 60 minutes |
| Half an hour | <input type="text"/> | 40 minutes |
| Three quarters of an hour | <input type="text"/> | 35 minutes |
| Three quarters of an hour | <input type="text"/> | 45 minutes |
| 20 minutes | <input type="text"/> | A quarter of an hour |
| 92 minutes | <input type="text"/> | An hour and a half |
| An hour and 20 minutes | <input type="text"/> | 100 minutes |

Put the durations in order from shortest to longest

2a.

A. Half past eight to nine o'clock	
B. 5 minutes	
C. 9 o'clock to twenty minutes past 9	
D. 40 minutes	
E. 1 hour	
F. Three quarters of an hour	

Put the durations in order from longest to shortest

2b.

A. Ten minutes past 2 to half past 2	
B. 25 minutes	
C. 60 minutes	
D. Half an hour	
E. 50 minutes	
F. A quarter of an hour	

Task 2

Practice

Read the tables and answer the questions

1. How much longer does train B take than train A?

Train	Leeds	Halifax
A	12:35	13:10
B	13:40	14:25

2. How much quicker is bus 1 than bus 2?

Bus	Hebden Bridge	Sowerby Bridge
1	09:35	10:05
2	11:55	12:30

3. How much longer does bus 2 take than bus 1?

Bus	Preston	Oldham
1	10:28	11:13
2	17:18	18:06

4. How much quicker is train B than train A?

Train	High street	Upper Town
A	07:56	08:46
B	09:44	10:32

5. Which is the longest duration of time? By how much?

- A \Rightarrow
- B \Rightarrow

6. Which is the shortest duration of time? By how much?

- A \Rightarrow
- B \Rightarrow

Task 3

Reasoning

Explain your answers.

4a. Who is correct? Explain how you know.

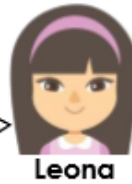
I left home at ten minutes past seven and arrived at school at quarter to eight. It took me longer to get to school.



I left home at twenty-five minutes past seven and arrived at school at five minutes past eight. It took me longer to get to school.

7a. Who is correct? Explain how you know.

I left home at twelve minutes to nine and arrived at the library at three minutes past ten. My journey was longer.



I left home at nine minutes past nine and arrived at the library at six minutes past ten. My journey was longer.

8a.

The bus left at 09:13 and arrived in Brighouse at 10:32. It took me longer to get there than Asha.



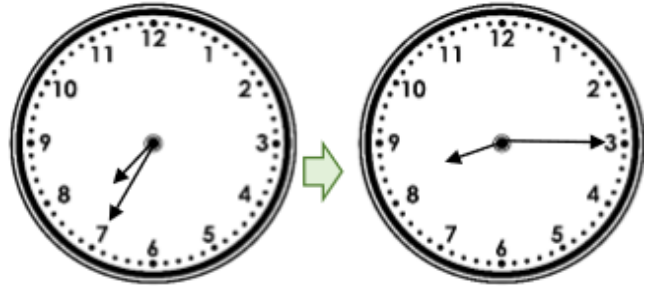
It took me 1 hour and 12 minutes to get to Brighouse by car.

Is Tiana correct? Explain why.

Task 4

Problem solving

5b. It takes Lucas 10 minutes to paint a picture from start to finish. How many pictures can he paint in this duration of time?



6b. Complete the table.

Journey A is longer than D by 5 minutes.
 Journey B is the same duration as A.
 Journey C is the shortest by 5 minutes.
 Journey D departs at quarter to 9 and lasts for 50 minutes.

	Depart Kings Cross	Arrive Piccadilly
A	Quarter to 7	
B		8 o'clock
C	20 minutes past 8	
D		

9b. Which plane would get from Gatwick to Dublin the quickest?

How much longer does it take Plane 3 to get from Cardiff to Dublin than Plane 2?

Plane	Gatwick	Cardiff	Dublin	Glasgow
1	07:05	07:51	08:47	09:34
2	09:54	10:32	10:58	11:56
3	12:02	12:42	13:37	14:10

Challenge

2. Work out and compare the flight times from the UK by working out the duration of each flight based on the information given. Look carefully at the time difference.

<u>Destination</u>	<u>Departure Time in UK</u>	<u>Arrival time in destination</u>	<u>Time Difference</u>
Delhi	08:10	22:40	Delhi is 4 hours 30 minutes ahead of the UK
Moscow	10:30	17:00	Moscow is 2 hours ahead of the UK
Berlin	14:10	17:00	Berlin is 1 hour ahead of the UK
Turkey	14:30	20:30	Turkey is 2 hours ahead of the UK
Paris	16:20	18:50	Paris is 1 hour ahead of the UK

Order the flights from the shortest duration to the longest duration.