Monday 4th May 2020
L.O: Converting Minutes, seconds and hours.

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

1 minute = 60 seconds   1 hour = 60 minutes

So if 1 minute = 60 seconds, 2 minutes will be 120 seconds because 60x2= 120

If 1 hour = 60 minutes, half an hour will be 30 minutes because half of 60 is 30 or 60 divided by 2 = 30.

Can you use this information to change the following times:
You can write out your 60 times tables to help you (remember 60 times table is just like the 6 times table you just add a zero e.g. 60x1=60, 60x2=120 60x3=180).

1. **How many seconds in 3 minutes?**	2. **How many minutes in 5 hours?**
3. **How many seconds in 7 minutes?**	4. **How many minutes in 180 seconds?**
5. **How many hours in 240 minutes?**	

3a. One of Peter's answers is incorrect.

3 minutes = 120 seconds
5 minutes = 300 seconds
4 minutes = 240 seconds

Can you spot and correct my mistake?

3b. One of Kiah's answers is incorrect.

3 minutes = 180 seconds
2 minutes = 240 seconds
6 minutes = 360 seconds

Can you spot and correct my mistake?

Tuesday 5th May 2020

L.O: Converting Minutes, seconds and hours. Part 2

How would you work out the number of seconds in 2 minutes and 10 seconds?

Well I know that 2 minutes is 60 seconds x 2 = 120 seconds.

Now I just need to add the remaining 10 seconds.

So 120 +10= 130 seconds.

1. How many seconds in 1 minute and 30seconds?	2. How many seconds in 2 minute and 25 seconds?
3. How many minutes in 3 hours and 45 minutes?	4. How many minutes in 4 hours and 15 minutes?
5. How many seconds in 3 minutes and 53 seconds?	6. How many minutes in 2 hours and 17 minutes?

4a. Mrs Walton challenges the children in her class to tidy up in less than 4 minutes.

Monday	195 seconds
Tuesday	250 seconds
Wednesday	210 seconds
Thursday	235 seconds
Friday	320 seconds

Dean thinks on 4 out of the 5 days, they do it faster than 4 minutes. Do you agree? Explain how you know.

4b. Kelsey times how long her friends can hit the ball back and forth without it going out of play.

Caleb and Bobby	80 seconds
Saffron and Beth	115 seconds
Simon and Hattie	205 seconds
Fia and Hashim	95 seconds
Lottie and Millie	145 seconds

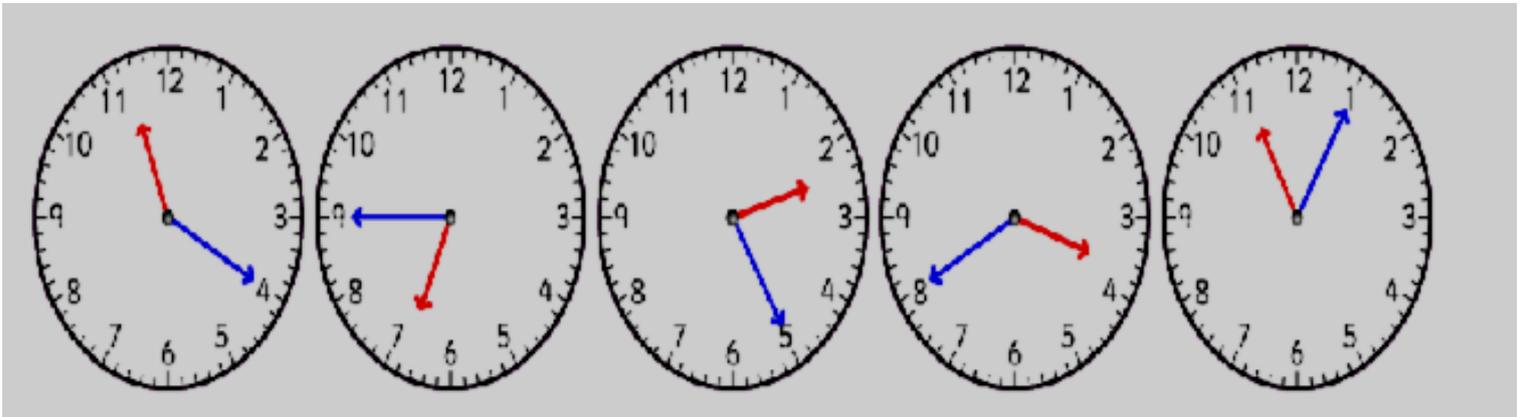She thinks 3 of the pairs can hit the ball back and forth for more than 2 minutes. Do you agree? Explain how you know.

L.O: Digital time

Match the analogue to the digital clocks.

6:45 11:05 11:20 3:40 2:25

In your books, write out the following times in a digital format. The first one has been done for you.

1. Half past one = 1:30
2. Quarter past three
3. Five o'clock
4. Twenty five minutes past ten
5. Quarter to eight
6. 10 minutes to eleven

When you are finding the duration you are working out how long an event takes place. For example I leave for work at 7:00 am and arrive at 8:30. How long did it take me to get to work? Well from 7:00 to 8:00 it's one hour and from 8:00 to 8:30 it's 30 minutes. Making it a total of 1 hour and 30 minutes.
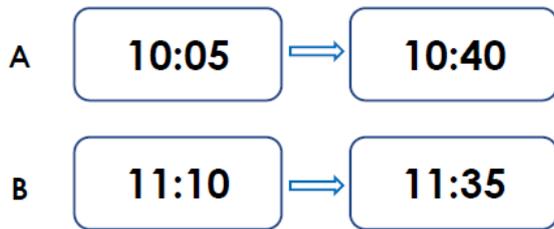
Task 1: Draw the table into your books.

Calculate the duration of the TV programmes.

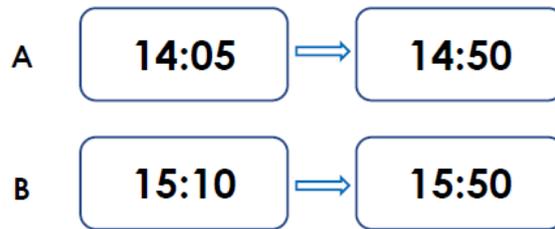| TV Programme	Start Time	Finish Time	Duration
Pals	06:30	07:30	
Dennis the explorer	3:15	6:15	
The football show	12:00	4:00	
An adventure	10:40	12:40	

Task 2:

1. Rosie started running at 7:00 a.m. and stopped at 8:45 a.m. Rosie ran for _____ minutes. Tommy started running at 09:10 and stopped at 09:55 Tommy ran for _____ minutes

2. Amir gets on a bus at 3:30 It arrives at 4:22 How long was the bus journey?

3. Eva starts playing her piano at 11:30 She plays for 45 minutes before having a half an hour break. She then plays for another 15 minutes. What time did she finish?
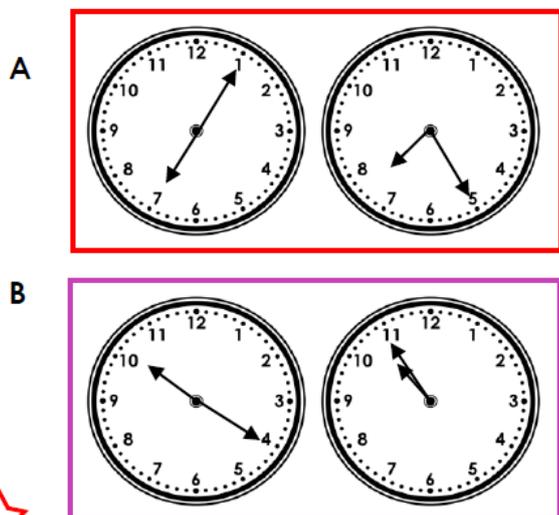
L.O: Comparing the Duration

1a. Which is the longest duration of time?

A   10:05 ⇒ 10:40

B   11:10 ⇒ 11:35

3 VF

1b. Which is the shortest duration of time?

A   14:05 ⇒ 14:50

B   15:10 ⇒ 15:50

3 VF

2a. Which is the shortest duration of time?

A

B

3 VF

2b. Which is the longest duration of time?

A

B

3 VF

3a. How long is bus journey A?
How long is bus journey B?

Bus	Pellon	Warley
A	08:35	08:55
B	09:15	09:40

3 VF

3b. How long is train journey 1?
How long is train journey 2?

Train	Bradford	New Pudsey
1	15:10	15:40
2	15:20	15:55

3 VF