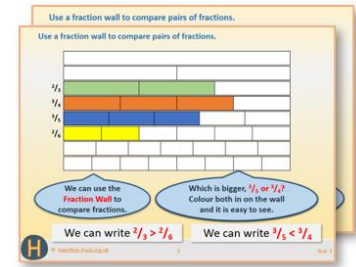


Week 11, Day 4

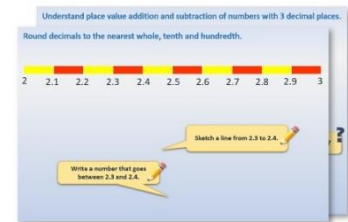
Calculate time intervals using the 24-hour clock.

Each day covers one maths topic. It should take you about 1 hour or just a little more.

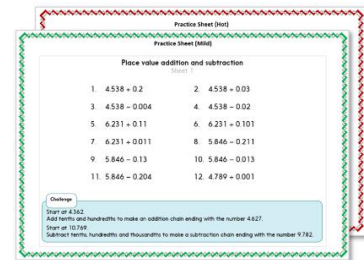
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**

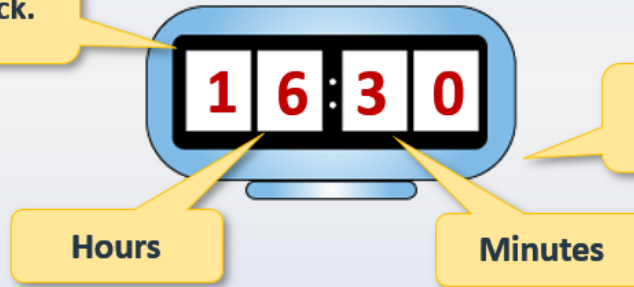


4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

Learning Reminders

Calculate time intervals using the 24-hour clock.

This is a 24-hour digital clock.



It is equivalent to 4:30pm.

Remember to change a pm time to a 24-hour clock time add 12 to the hours.
7:45pm is the same as 19:45.

Learning Reminders

Calculate time intervals using the 24-hour clock.

We can count up on a number line to calculate time intervals.

But remember that we are counting up to 60 to reach the next hour, not 100...

A school science lesson starts at 10:45 and ends at 11:35. How long does it last?



$$15 \text{ mins} + 35 \text{ mins} = 50 \text{ mins}$$

Learning Reminders

Calculate time intervals using the 24-hour clock.

A singing lesson **starts at 13:50** and **ends at 14:40**.
How long does it last?



$$10 \text{ mins} + 40 \text{ mins} = 50 \text{ mins}$$

Practice Sheet Mild

Busy weekend



Simon and Lizzie are decorating two rooms.
This is how long each task takes:

Living room

Organising workspace:	20 minutes
Cleaning and preparing the walls:	55 minutes
Painting the first coat:	1 hour 32 minutes
Painting the second coat:	1 hour 47 minutes

Dining room

Organising workspace:	18 minutes
Cleaning and preparing the walls:	49 minutes
Painting the first coat:	1 hour 21 minutes
Painting the second coat:	1 hour 38 minutes

Simon and Lizzie start the living room at 9.30 am on Saturday.

1. First they organise their workspace and prepare the walls.
What time do they take a coffee break?
2. At 11:15 am they start painting the first coat.
What time will they finish it and have lunch?

Simon and Lizzie start the dining room at 10:22 am on Sunday.

3. First they organise their workspace and prepare the walls.
What time do they take a coffee break?
4. After a half-hour break they start painting the first coat.
What time will they finish it and have lunch?
5. Lunch takes 1 hour 7 minutes.
What time do they start work on the second coat?
6. What time will they finish painting the dining room?

Practice Sheet Hot Busy weekend



Simon and Lizzie are decorating two rooms.
This is how long each task takes:

Living room

Organising workspace:	20 minutes
Cleaning and preparing the walls:	55 minutes
Painting the first coat:	1 hour 32 minutes
Painting the second coat:	1 hour 47 minutes

Dining room

Organising workspace:	18 minutes
Cleaning and preparing the walls:	49 minutes
Painting the first coat:	1 hour 21 minutes
Painting the second coat:	1 hour 38 minutes

Simon and Lizzie start the living room at 9.30 am on Saturday.

1. First they organise their workspace and prepare the walls.
What time do they take a coffee break?
2. At 11:15 am they start painting the first coat.
What time will they finish it and have lunch?
3. They start work on the second coat at 1:58 pm.
What time will they finish painting the living room?

Simon and Lizzie start the dining room at 10:22 am on Sunday.

4. First they organise their workspace and prepare the walls.
What time do they take a coffee break?
5. After a half-hour break they start painting the first coat.
What time will they finish it and have lunch?
6. Lunch takes 1 hour 7 minutes.
What time do they start work on the second coat?
7. What time will they finish painting the dining room?
8. Simon and Lizzie have a cup of tea for 10 minutes when they finish.
Then they want to go out at 4.30 pm.
How long will they have to get ready?

Challenge

Simon and Lizzie want to get the two jobs done in one weekend. They need to finish by 4:30 pm on Sunday. Write a different timetable for when they will do each task and when they will take coffee, lunch or tea breaks.