Year 2 maths – Summer 1 Week beginning: 11.5.20 - Time

| Theme	Time lesson 6 Finding durations of time	Time lesson 7 Finding durations of time	Time lesson 8 Finding ending times	Time lesson 9 Finding starting times	Time lesson 10 Comparing time
Factual fluency (to aid fluency)	**Read and write clock times**	**Read and write clock times**	**Time words: o'clock, half, quarter**	**Months of the year**	**Read a calendar**
Problem/ activity of the day	**(Lesson 1 resources below)** **MAKING LINKS:** Last week you learnt how to tell and write the time to 5 minutes. **THINK: (support below)** Can you help me with this problem? In 30 minutes the train will reach London Bridge. In 1 hour the train will reach Morden. What time will it be when the train reaches London Bridge? What about Morden? **SEE: (model below)** Watch this **clip** to see how to find what time the train reaches the stations. **DO:** Use what you've learnt to match the clocks and write down the correct times in the table. **Challenge:** If now it is 2 o'clock, what time will it be in 65 minutes?	**(Lesson 2 resources below)** **MAKING LINKS:** Yesterday we learnt how to find the end time given the start time and the duration in 30 minute and hourly intervals. **THINK: (support below)** Can you help me with this problem? How can we tell how long took Holly to paint? **SEE: (model below)** Watch this **clip** to see how to find the duration of an activity. **DO:** Use what you've learnt to find the duration (how many minutes) and write the time. **Challenge:** George starts writing a story at 5 o'clock and finishes writing at half past six. How long did it take Tom to write?	**(Lesson 3 resources below)** **MAKING LINKS:** Yesterday we learnt how to find the duration of an activity knowing what time it started and ended. **THINK: (support below)** Can you help me with this problem? Tom's favourite show starts in 2 hours. John's favourite show starts in 30 minutes. What times do their favourite shows start? **SEE: (model below)** Watch this **clip** to see how to find ending times. **DO:** Use what you've learnt to draw the missing hour and minute hands. **Challenge:** If now it is 2:25 in the afternoon. What time will it be in 1 hour and 20 minutes?	**(Lesson 4 resources below)** **MAKING LINKS:** Yesterday you were learning how to find the end time, given the start time and the duration. **THINK:(support below)** Can you help me with this problem? Alphie just had a 30 minute break. This is the time on his clock now. What time did the break start? **SEE: (model below)** Watch **clip 1** and **clip 2** to see how to find start times. **DO:**Use what you have learnt today to solve the problems below. **Challenge:** What is the start time 1 and a half hours ago if the time is 11:00?	**(Lesson 5 resources below)** **MAKING LINKS:** Yesterday you were learning how to find the start time, given the end time and the duration. **THINK:(support below)** Can you help me with this problem? How long did each activity take? Which activity took the longest amount of time? **SEE: (model below)** Watch this **clip** to see how to compare different amounts of time. **DO:**Use what you have learnt today to solve the problems below. **Challenge:** Make up your own problem which involves comparing time. Get an adult in your household to solve it! You could include pictures and diagrams.
Methods, tips, clues& checks	**Day 1 resources and answers (below)** **Optional: Use this clock to help you find your answers.**	**Day 2 resources and answers (below)** **Optional: Use this clock to help you find your answers.**	**Day 3 resources and answers (below)** **Optional: Use this clock to help you find your answers.**	**Day 4 resources and answers (below)** **Optional: Use this clock to help you find your answers.**	**Day 5 resources and answers (below)** **Optional: Use this clock to help you find your answers.**

See below for resources to support you to THINK-SEE-DO

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THINK:

It is now:
In 30 minutes the train will reach London Bridge.
In 1 hour the train will reach Morden.
What time will it be when the train reaches London Bridge?
What about Morden?

SEE: Optional video

After 30 minutes

After 30 minutes the minute hand moves from 12 to 6.
The time shown is 30 minutes after 3 o'clock.
The train reaches London Bridge **at half past 3**.
*To find the time, we need to count in 5s forwards until we get to 30.
Remember we are counting from the minute hand.

After 1 hour
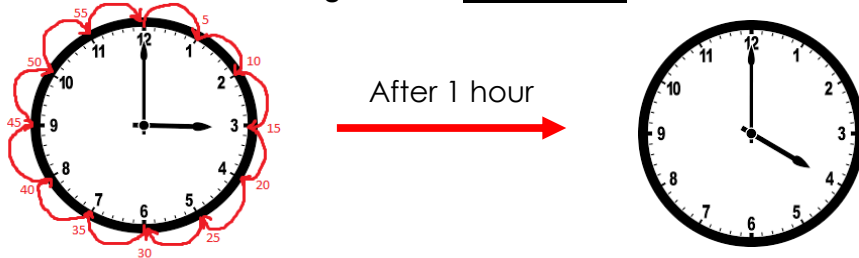
The minute hand makes a **complete round** in 60 minutes. The hour hand moves from 3 to 4. 1 hour after 3 o'clock is 4 o'clock. The train reaches Morden at 4 o'clock.

DO: 1) Match.

Start time	30 minutes later
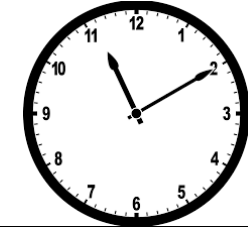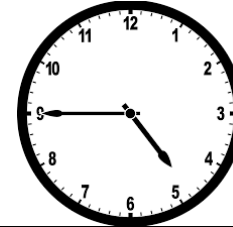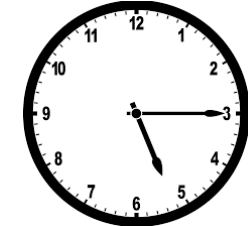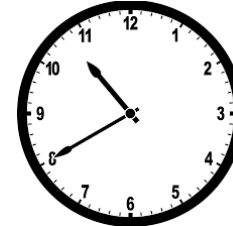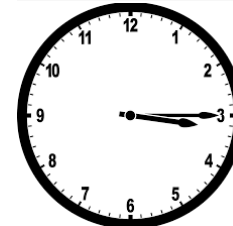
Start time	Time in 1 hour (write)	Time in 5 hours (write)

THINK: How can we tell how long took Holly to paint?
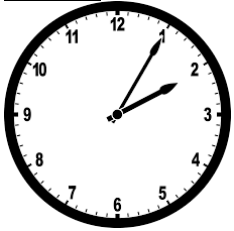
Holly started to paint.   Holly finished painting.
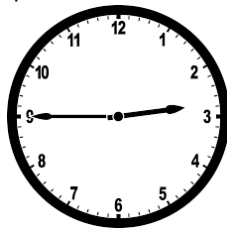
SEE: Optional video
Method 1
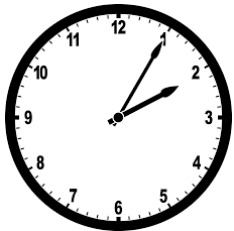
| 2:05 | | 2:15 | | 2:45 |

10minutes   30 minutes

From 5 past to quarter past is **10 minutes**. From quarter past to quarter to is **30 minutes.**   10 minutes + 30 minutes = 40 minutes
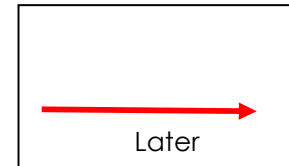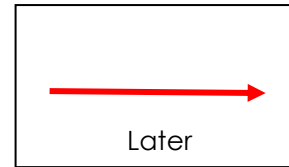
Method 2

45 minutes later

5minutes

I know from 2 o'clock to quarter to 3 there are **45 minutes**. However I want to find the duration from **5** past two so:
45 – 5 = 40
It took Holly 40 minutes.

DO: 1) How many minutes later ?

Later

Later

Later

2) Write the time in the boxes:

Start time	15 minutes later	40 minutes later

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THINK: Tom's favourite show starts in 2 hours.
John's favourite show starts in 30 minutes.
What times do their favourite shows start?

SEE: Optional video
Tom:

2 hours later

1 hour has 60 minutes. In one hour the long hand turns a full circle and the short hand points at the next hour.
The time now is 1 o'clock, two hours later it will be 3 o'clock.
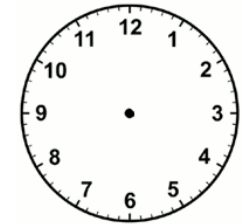John:

30 minutes later
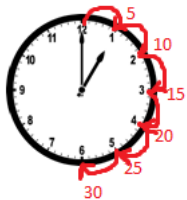
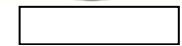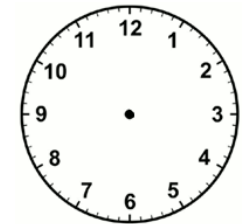Remember we are counting in 5s forwards until we get to 30, starting counting from the minute hand.

DO: Draw the missing minute and hour hands.
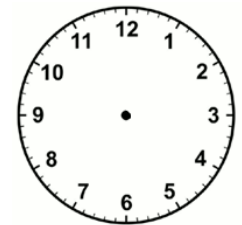
5 hours later

2 hours later

30 minutes later
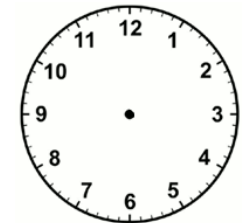
A television programme starts at 8:30 in the evening. The programme lasts for two hours. Write the correct time and draw the hands.
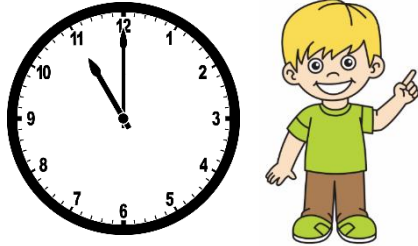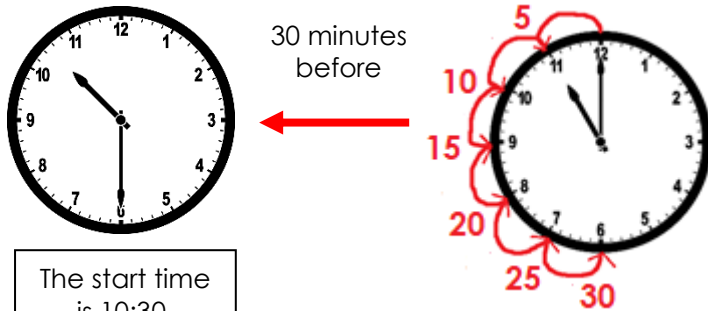
2 hours later

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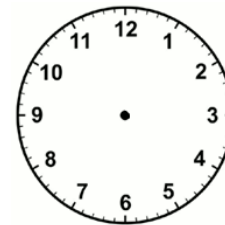
THINK: Can you help me with this problem? Alphie just had a 30 minute break. This is the time on his clock now. What time did the break start?
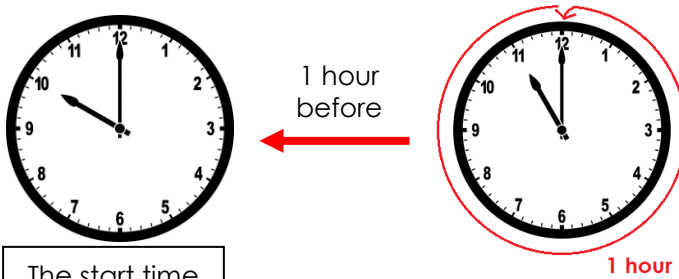
SEE:

1) What was the time 30 **minutes** ago? Optional video link

30 minutes before

The start time is 10:30.

To find the start time, we need to count in our 5s backwards until we get to 30. Remember we are counting from the **minute** hand.
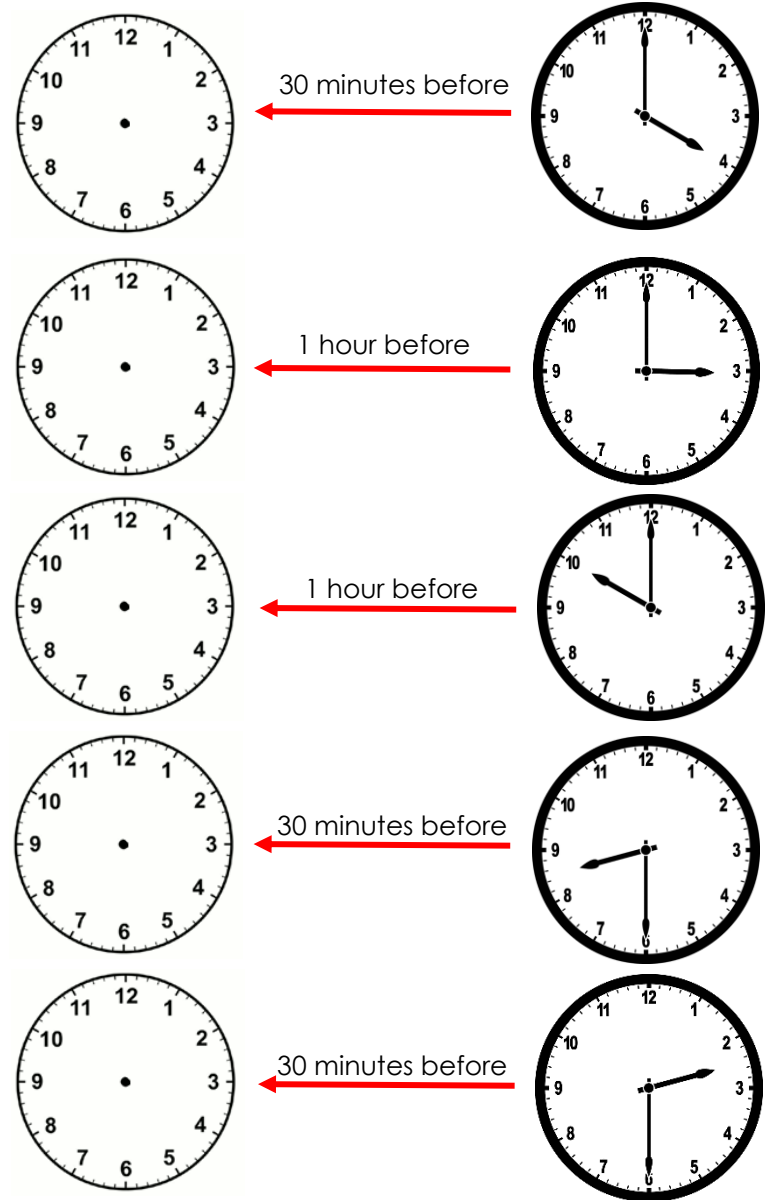
2) What would the time be an **hour** ago? Optional video link

1 hour before

The start time is 10:00.

1 hour

To find the start time, we need to count back by an hour. We move the **hour** hand anticlockwise by one hour and end up on 10:00.
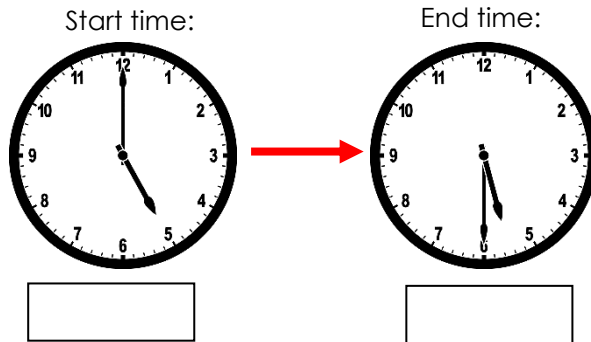
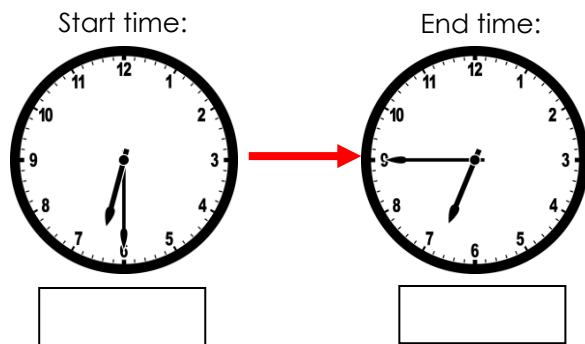**DO:** Draw the missing hour and minute hands on the clock to show the start time.

30 minutes before

1 hour before

1 hour before

30 minutes before

30 minutes before

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THINK: How long did each activity take? Which activity took the longest amount of time?
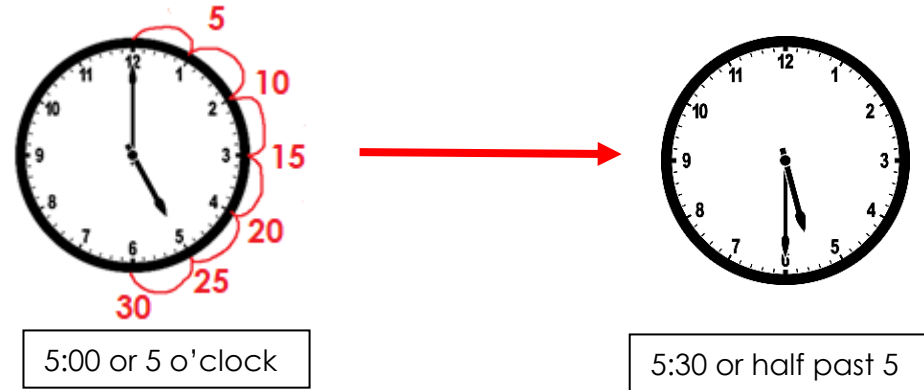
The children do their homework.

Start time:

End time:

The boy takes a bath.

Start time:

End time:

1) Find the start time
2) Find the end time
3) Calculate the duration of time

SEE: Optional video link

5:00 or 5 o'clock

5:30 or half past 5

I can count around the clock in my 5s to work out how long the children were doing their homework. They started at 5:00 and finished at 5:30. They spent 30 minutes doing their homework.

6:30 or half past 6

6:45 or quarter to 7.
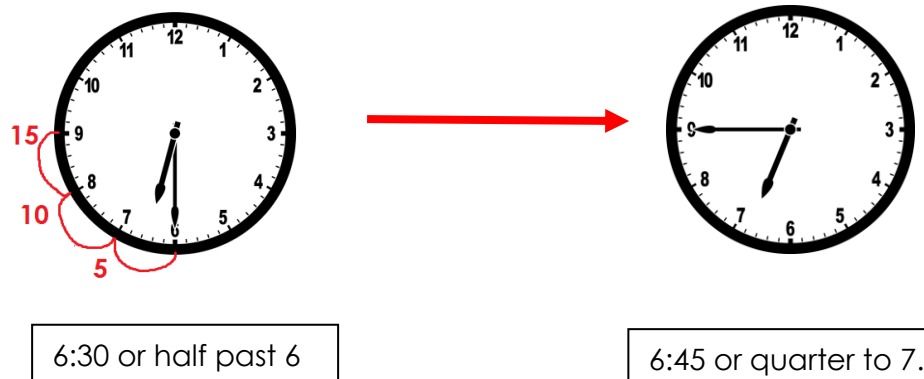
I can count around the clock in my 5s to work out how long the boy took a bath for. He started at 6:30 and finished at 6:45. He spent 15 minutes in the bath.

The homework took the longest amount of time because the children spent 30 minutes doing this. The boy only spent 15 minutes in the bath. 30 minutes is longer than 15 minutes.

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DO: Fill in the blanks.

The children did the following activities one day:
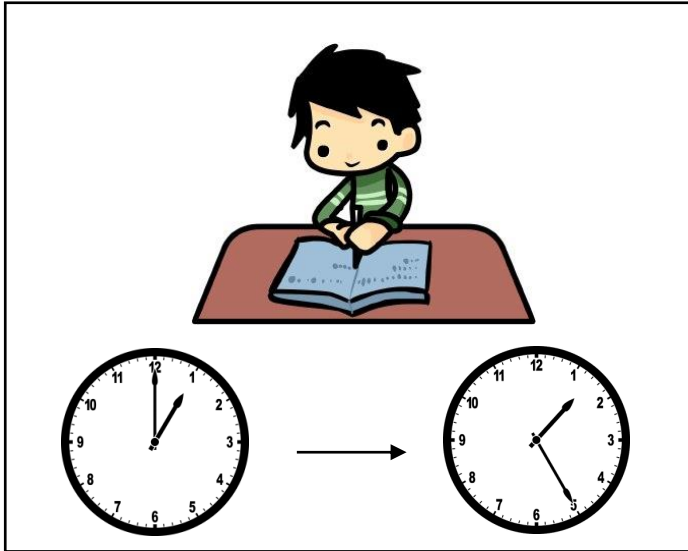
Harry did his homework.

Start time: _____

End time: _____

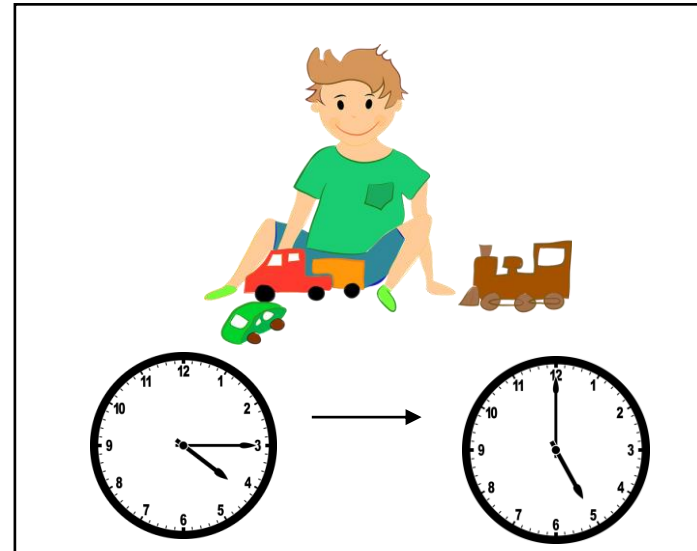Duration (length): _____

Josh played with his toys.

Start time: _____

End time: _____

Duration (length): _____

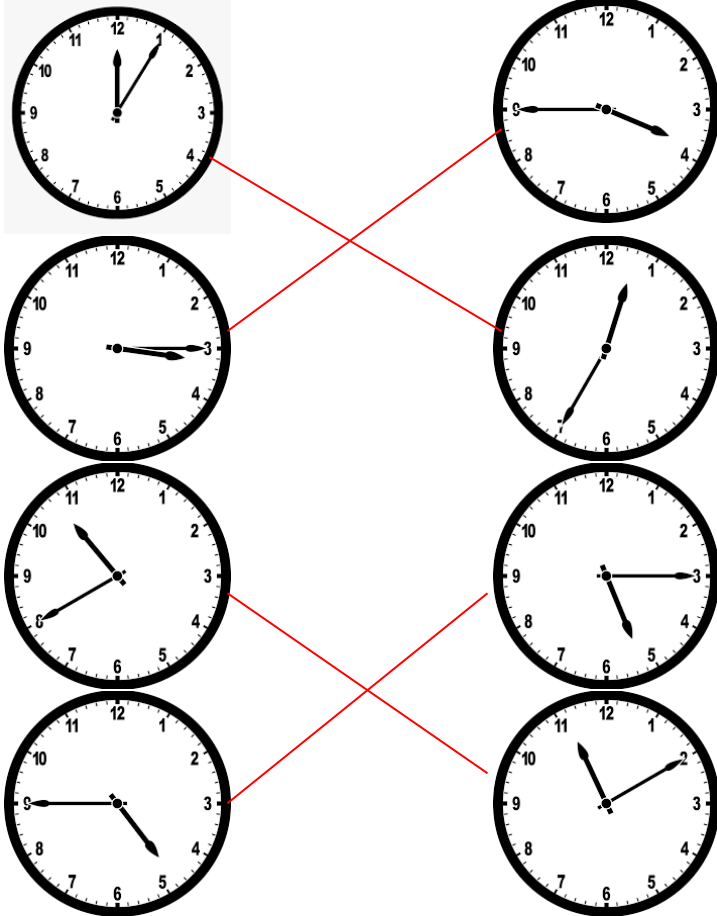a) Which activity lasted the longest? _____

b) Which activity was the shortest? _____

Top tip: To find the duration of time, remember to start counting the minutes from where the minute hand is pointing on the first clock. Count around in your 5s until you get to the end time.
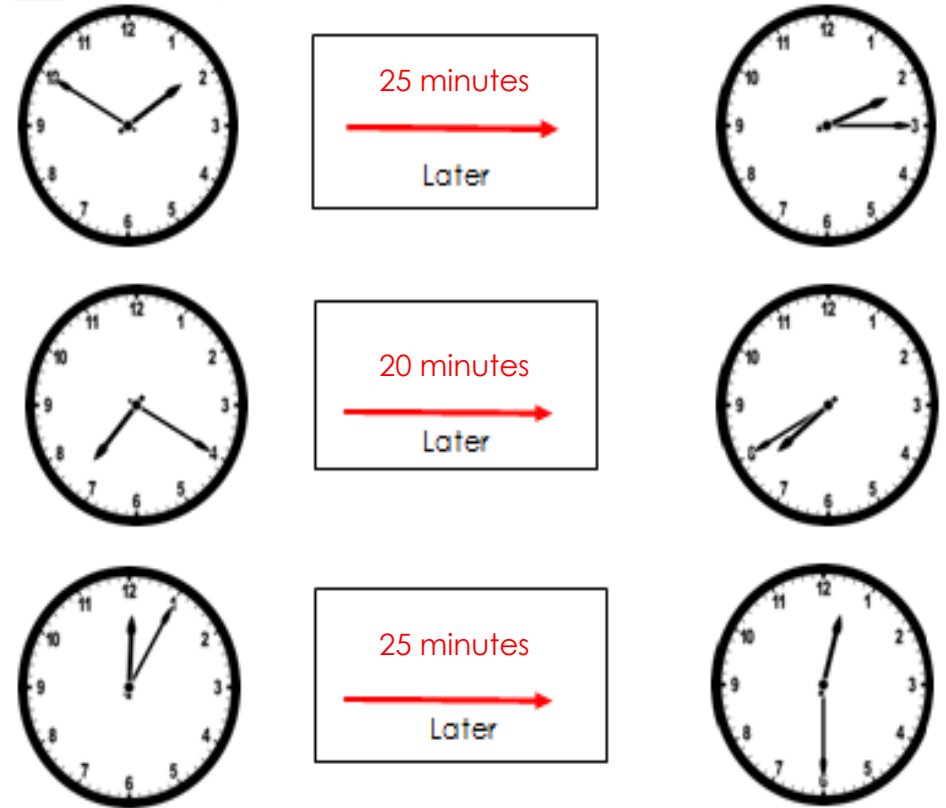
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DO: 1) Match.

Start time   30 minutes later

Start time	Time in 1 hour	Time in 5 hours
	3:05	7:05
	5:30	9:30

Day 2

DO: How many minutes later ?

25 minutes
Later

20 minutes
Later

25 minutes
Later

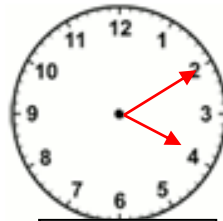| Start time	15 minutes later	40 minutes later
	3:45	4:10
	3:00	3:25

Day 3:
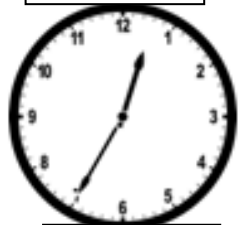
DO: Draw the missing minute and hour hands.
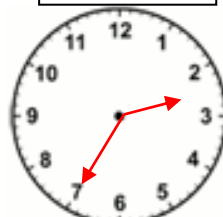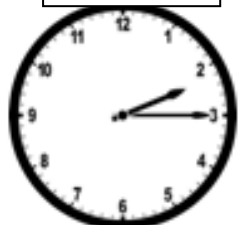

11:10

5 hours later →
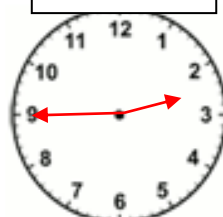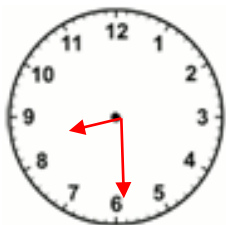
4:10

12:35

2 hours later →
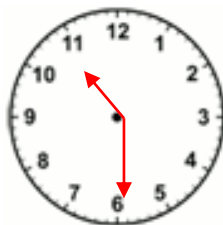
2:35

2:15

30 minutes later →

2:45

A television programme starts at 8:30 in the evening. The programme lasts for two hours. Write the correct time and draw the hands.

8:30

2 hours later →

10:30

Day 4

DO: Draw the missing hour and minute hands on the clock to show the start time.

← 30 minutes before
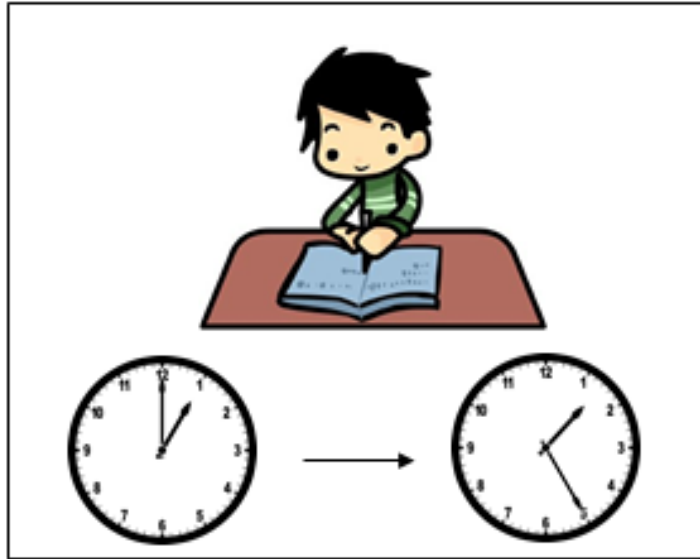
← 1 hour before

← 1 hour before

← 30 minutes before

← 30 minutes before

Day 5

DO: Fill in the blanks.

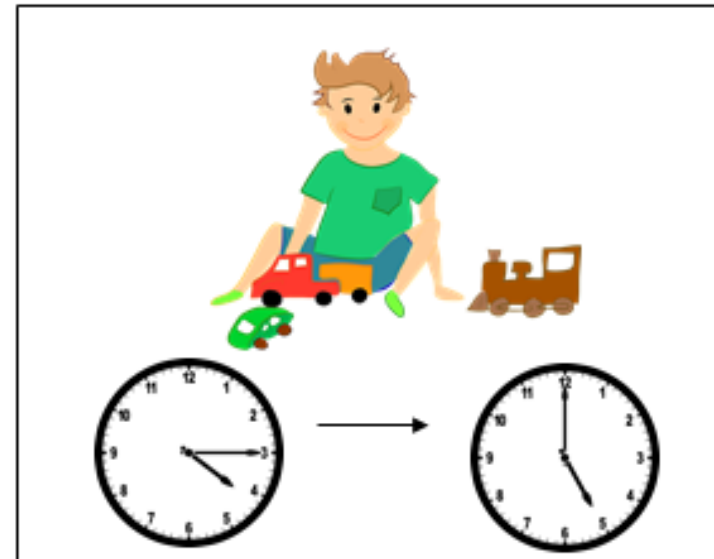The children did the following activities one day:

Harry did his homework.

Josh played with his toys.

Start time: 1:00 or 1 o'clock

Start time: 4:15 or quarter past 4

End time: 1:25 or 25 minutes past 1

End time: 5:00 or 5 o'clock

Duration (length): 25 minutes

Duration (length): 45 minutes

a) Which activity lasted the longest? Josh playing with his toys.

b) Which activity was the shortest? Harry doing his homework.

Top tip: To find the duration of time, remember to start counting the minutes from where the minute hand is pointing on the first clock. Count around in your 5s until you get to the end time.