

# Answers for Thursday's lesson.

1 hour 20mins  
3 hours 16 mins  
72 mins  
130 mins

1 hour 36mins  
Train D – 18:09  
26mins  
No, the train will  
arrive at 19:12 which  
is 12 mins too late.

Question	Answer
1. How long does it take to travel from London Euston to Preston on train C?	<i>2 hours 53 minutes</i>
2. How long does it take to travel from Birmingham New Street to Crewe on train B?	<i>54 minutes</i>
3. How long does it take to travel from Wolverhampton to Preston on train D?	<i>1 hour 16 minutes</i>
4. How much quicker is train E than train F in travelling from London Euston to Preston?	<i>48 minutes</i>
5. To be in Crewe before 18:30, what is the latest train you could catch from Rugby? Explain your reasoning.	<i>Train B. Trains C, D and E do not stop at both Rugby and Crewe, and Train F arrives too late.</i>
6. If you arrived at London Euston at 15:20, how long would you have to wait to catch the next train to Crewe? Explain your reasoning.	<i>As Train C doesn't stop at Crewe, you would have to wait 26 minutes to catch Train D.</i>

- a) Accept any answer that explains that Louis is incorrect because the journey's duration is 2 hours and 10 minutes, which is equivalent to 130 minutes.
- b) Accept any answer that explains that Louis is incorrect because the journey's duration is 35 minutes, which is equivalent to 2100 seconds.

	A	B	C	D	E	F
Departs Crystal Island	07:00	07:40	07:10	07:50	07:20	08:00
Arrives Sandy Island	07:40	08:20	07:50	08:30	08:00	08:40
Departs Sandy Island	07:40	07:00	07:50	07:10	08:00	07:20
Arrives Crystal Island	08:20	07:40	08:30	07:50	08:40	08:00

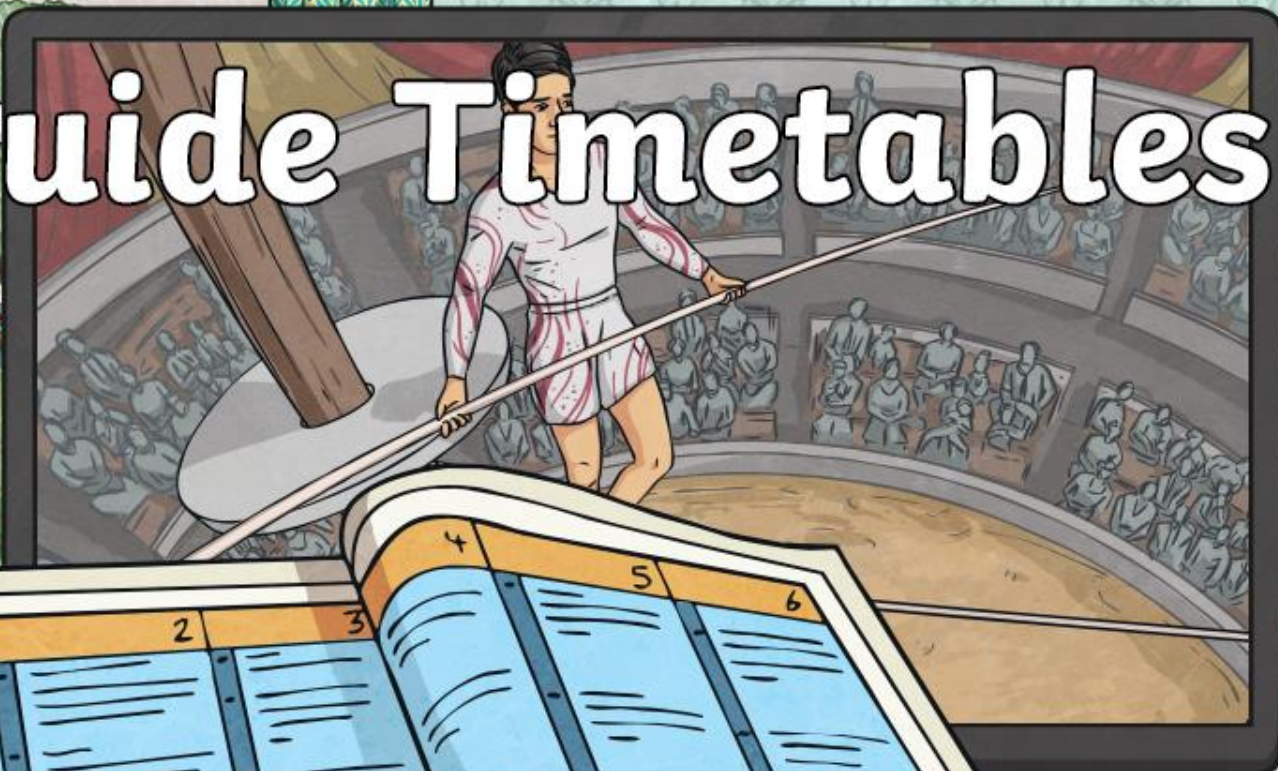
# Aim

- I can complete, read and interpret information presented in a timetable.

# Success Criteria

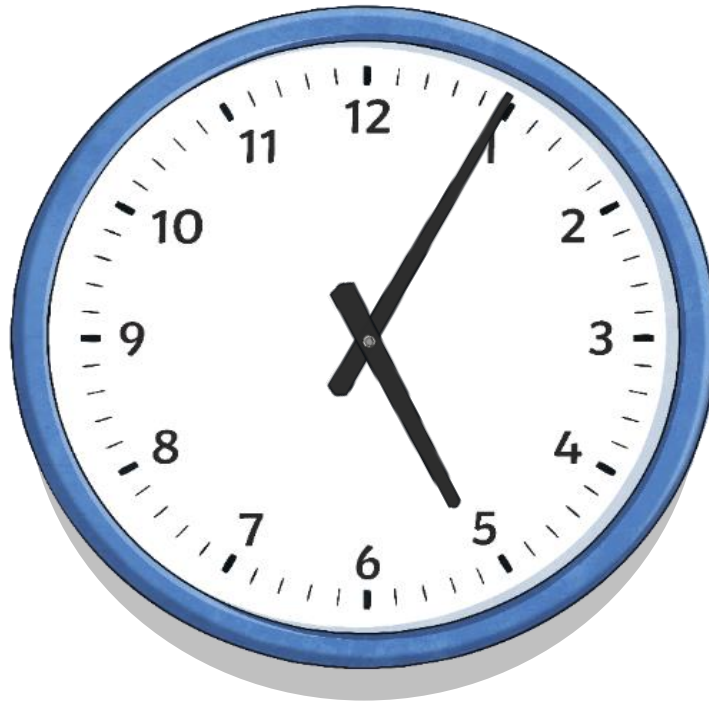
- I can calculate time durations of hours and minutes.
- I can read and interpret TV timetables which use the 24-hour clock.
- I can answer comparison, sum and difference questions using information presented in a timetable and explain my reasoning.

# TV Guide Timetables



# TV Viewing Time

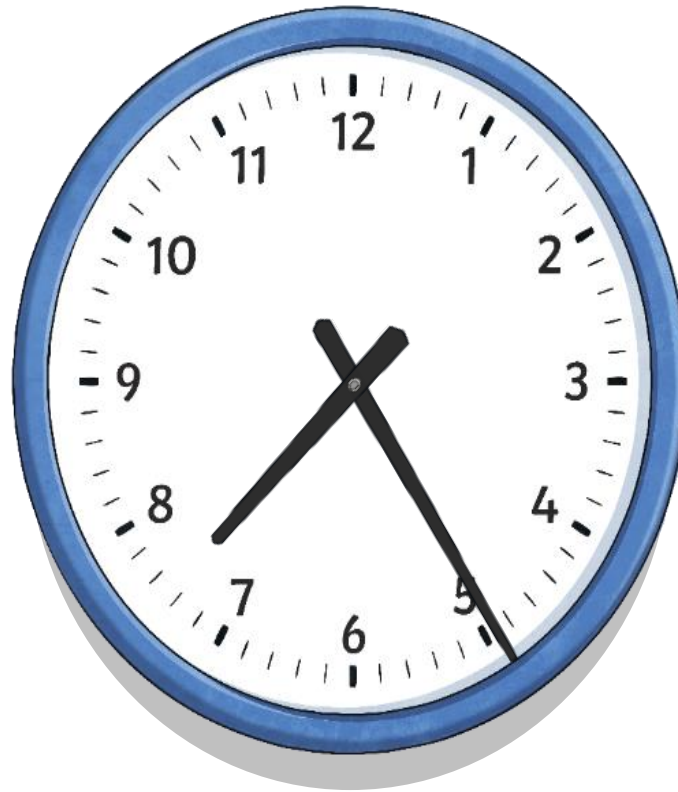
I watched an action film that lasted for **2 hours and 14 minutes**. The clock shows the time that the film started. What time did the film finish?



I watched a nature documentary that lasted for **1 hour and 36 minutes**. The clock shows the time it started. What time did the programme finish?



I watched a comedy programme that lasted for **2 hours and 21 minutes**. The clock shows the time that it started. What time did it finish?



I watched TV for **3 hours and 26 minutes**. The clock shows the time that I started watching TV. What time did I turn the TV off?





# What's on TV?

Amelia is looking for something to watch on TV. She uses the guide on her TV screen to see all the programmes that are scheduled.

These headings on the TV guide tell Amelia which channel the TV programmes are on.

<b>Channel 1</b>	<b>15:00</b> Tom and Henry	<b>15:10</b> Whizz Bang	<b>15:25</b> Funny Bones	<b>15:45</b> Brainbusters	<b>16:15</b> Weather Forecast	<b>16:25</b> Tick Tock	<b>16:40</b> Joking Around
<b>Channel 2</b>	<b>15:00</b> Ha, Ha!	<b>15:15</b> Crazy Race	<b>15:35</b> Today's News	<b>15:50</b> Danger Dog	<b>16:00</b> Eyes on the Past	<b>16:20</b> Ha, Ha!	<b>16:35</b> Sports Mix-Up
<b>Channel 3</b>	<b>15:00</b> Around the World	<b>15:20</b> Hungry Harry	<b>15:30</b> Download Now	<b>15:45</b> Weather Forecast	<b>15:55</b> Practical Pranksters	<b>16:15</b> Alan and the Chinchillas	<b>16:30</b> Beat the Teacher
<b>Channel 4</b>	<b>15:00</b> Dolly the Duck	<b>15:10</b> Amazing Impressions	<b>15:30</b> Incredible Insects	<b>15:50</b> Sports Round-Up	<b>16:05</b> Wheel of Questions	<b>16:25</b> News & Weather Forecast	<b>16:40</b> Chuckles

Each row of the TV guide lists the programmes showing on that channel in time order.

The start time of each television show is written using 24-hour time.

Read the TV guide correctly to help Amelia answer the following questions.

<b>Channel 1</b>	<b>15:00</b> Tom and Henry	<b>15:10</b> Whizz Bang	<b>15:25</b> Funny Bones	<b>15:45</b> Brainbusters		<b>16:15</b> Weather Forecast	<b>16:25</b> Tick Tock	<b>16:40</b> Joking Around			
<b>Channel 2</b>	<b>15:00</b> Ha, Ha!	<b>15:15</b> Crazy Race		<b>15:35</b> Today's News	<b>15:50</b> Danger Dog	<b>16:00</b> Eyes on the Past		<b>16:20</b> Ha, Ha!	<b>16:35</b> Sports Mix-Up		
<b>Channel 3</b>	<b>15:00</b> Around the World		<b>15:20</b> Hungry Harry	<b>15:30</b> Download Now	<b>15:45</b> Weather Forecast	<b>15:55</b> Practical Pranksters		<b>16:15</b> Alan and the Chinchillas	<b>16:30</b> Beat the Teacher		
<b>Channel 4</b>	<b>15:00</b> Dolly the Duck	<b>15:10</b> Amazing Impressions		<b>15:30</b> Incredible Insects		<b>15:50</b> Sports Round-Up		<b>16:05</b> Wheel of Questions		<b>16:25</b> News & Weather Forecast	<b>16:40</b> Chuckles

What programme is on Channel 2 at 16:30?

How many minutes long does Download Now on Channel 3 last?

I started watching Channel 3 at the beginning of Hungry Harry. Halfway through Practical Pranksters, I decided to change channels. For how many minutes was I watching Channel 3? Explain your reasoning.

# TV Ratings

This table shows the number of people who watched the most popular TV programmes. Use this information to answer the following questions

TV Programme	Number of Viewers
Tom and Henry	726 939
Whizz Bang	616 430
Funny Bones	530 375
Brainbusters	483 422
Tick Tock	467 995
Alan and the Chinchillas	448 850
Around the World	430 818
Download Now	399 633
Incredible Insects	388 807
Amazing Impressions	349 300

Which had the most viewers – Incredible Insects and Amazing Impressions, or Tom and Henry?

How many more people watched Whizz Bang than Download Now?

What is the total number of people who watched Tom and Henry and Alan and the Chinchillas?

## TV Guide

Channel 1	16:00 Tom and Henry	? Whizz Bang	? Funny Bones	16:45 Brainbusters	17:15 Weather Forecast	17:25 Tick Tock	17:40 Joking Around
Channel 2	16:00 Exploring the Wild	16:15 Crazy Race	? Today's News	? Danger Dog	17:00 Eyes on the Past	17:20 Ha, Ha!	17:35 Sports Mix-Up
Channel 3	16:00 Around the World	16:20 Hungry Harry	16:30 Download Now	16:45 Weather Forecast	16:55 Practical Pranksters	? Alan and the Chinchillas	? Beat the Teacher
Channel 4	16:00 Dolly the Duck	16:10 Amazing Impressions	16:30 Incredible Insects	16:50 Sports Round-Up	17:05 Wheel of Questions	17:25 News and Weather Forecast	17:40 Chuckles

- 1) Which four programmes are showing on TV at 17:05?
- 2) How many minutes long is Brainbusters on Channel 1?
- 3) Which programme is on Channel 1 half an hour before Tick Tock starts?
- 4) Which programme is on Channel 4 three-quarters of an hour before Ha, Ha! starts?
- 5) Which programme begins an hour after Around the World ends?

6) If you started watching Channel 3 at the start of Hungry Harry and changed channels halfway through the weather forecast, for how many minutes would you have watched Channel 3?

- 7) If you started watching Channel 4 halfway through Amazing Impressions and changed channels two thirds of the way through Sports Round-Up, for how many minutes were you watching Channel 4?
- 8) Which programmes on Channel 4 are less than 20 minutes long?
- 9) Today's News and Danger Dog last 25 minutes in total. Danger Dog is five minutes shorter than Today's News. What time do both programmes start? Explain your reasoning.
- 10) It should read Alan and the Chinchillas and Beat the Teacher last 45 minutes in total and end at 6pm. Beat the Teacher is double the length of Alan and the Chinchillas. What time do both programmes start?