

WALT solve problems using timetables.

WILF:

- *convert units of time.*
- *read timetables.*
- *count carefully.*
- + *use problem solving language*

Timetables are used to tell us the times that things are happening. They are used for schools, busses, trains, aeroplanes and many more things. Forgotten how to read them?

Watch this video: <https://corbettmathsprimary.com/2018/07/21/timetables-video/>

a) How many minutes does it take to travel from the pizza restaurant to the cinema?

b) How many seconds does it take to travel from the cinema to the car park?

c) The bus is delayed for 360 seconds by roadworks. What time does it get to the police station?

Greengate Lane » Hilltop Road

	Bus 24
Pizza Restaurant	14:22
DIY Store	14:35
Supermarket	14:48
Police Station	15:05
Cinema	15:16
Car Park	15:25

Use the bus timetable to answer the questions. You'll need to use your knowledge of minutes in an hour to help you. Do not use column method, as they are not decimals. Use jumps, instead, if you need to.

Use the bus timetable to answer the questions.

- a) How many minutes does it take to travel from the pizza restaurant to the cinema?

54 minutes

- b) How many seconds does it take to travel from the cinema to the car park?

540 seconds

- c) The bus is delayed for 360 seconds by roadworks. What time does it get to the police station?

15:11

Greengate Lane » Hilltop Road

	Bus 24
Pizza Restaurant	14:22
DIY Store	14:35
Supermarket	14:48
Police Station	15:05
Cinema	15:16
Car Park	15:25

Timetables work in the same way as bus timetables, but they are horizontal rather than vertical, so move right as the time goes on.



Use the TV guide timetable to answer the questions.

Channel 23	15:00 Tom & Henry Cartoon	15:10 Whizz Bang Science Show	15:25 Funny Bones Comedy Show	15:45 Brain Busters Gameshow	16:15 Weather Forecast	16:25 Tick Tock Music Show	16:40 Joking Around Comedy Show
Channel 34	15:00 Ha, Ha! Comedy Show	15:15 Crazy Race Gameshow	15:35 Today's News Show	15:50 Danger Dog Cartoon	16:00 Eyes on the Past History Documentary	16:20 Ha, Ha! Comedy Show	16:35 Sports Mix up Show

- How many minutes is the Tick Tock Music show on for?
- How many seconds is the Eyes on the Past History Documentary on for?
- What TV programme is on at four o'clock on channel 23?

To calculate this, look at the start time of the show specified, then the next show start time. Calculate the time between by jump counting. Convert the time afterwards, if you need to.

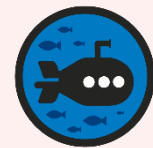
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- How many minutes is the Tick Tock Music show on for?
15 minutes
- How many seconds is the Eyes on the Past History Documentary on for?
1200 seconds (60 x 20 minutes to find the seconds)
- What TV programme is on at four o'clock on channel 23?
Brain Busters Gameshow

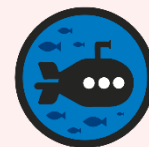


Here is part of a train timetable.

It takes 90 minutes to travel from London Euston to Birmingham New Street on train E.

London Euston » Preston					
	A	B	C	D	E
London Euston	13:00	15:30	15:45	17:30	16:45
Rugby	14:15	16:05	16:20	-	17:20
Birmingham New Street	15:10	17:00	17:15	-	18:15

Is Sam correct? Explain your answer.



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London Euston » Preston

	A	B	C	D	E
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Birmingham New Street	15:10	17:00	17:15	-	18:15

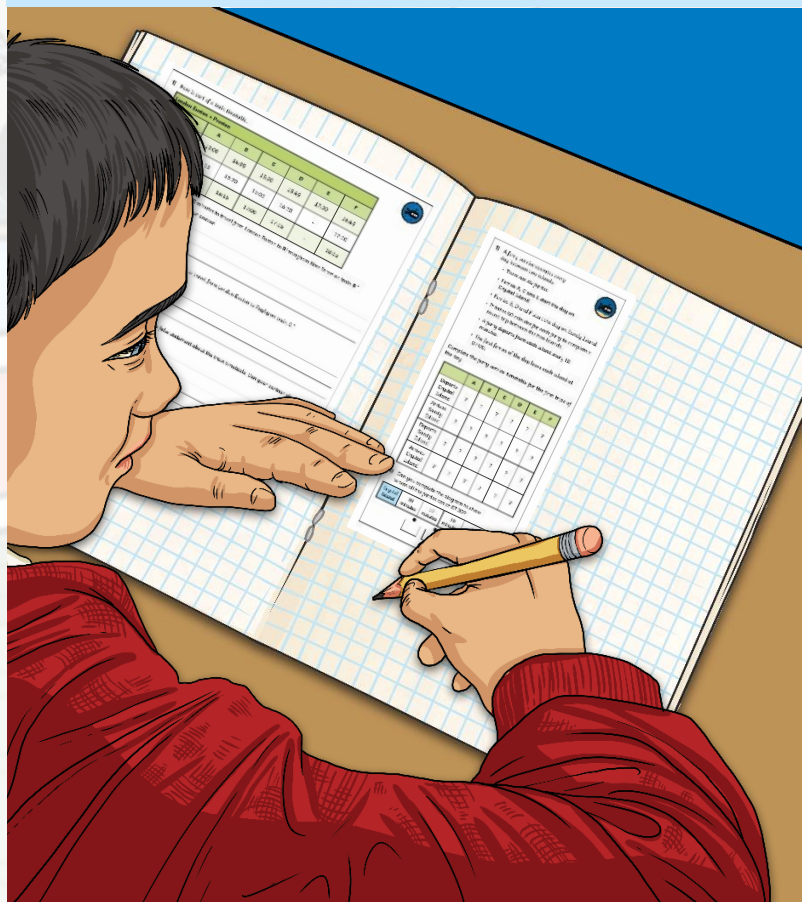
Is Sam correct? Explain your answer.

Sam is correct.

The journey takes 1 hour and 30 minutes (16:45 to 18:15). This is equal to 90 minutes.

Remember: jump count rather than column counting using your bridges or times tables. Then, convert the time as you need to.

Complete your own activity. Challenge yourself with your selection. 1 = unsure 2= eureka (I've got it!) 3= Challenge.
Complete one of them on Monday and the next one on Tuesday.



1) Use the bus timetable to answer the questions.

Greengate Lane > Hilltop Road	
	Bus 24
Pizza Restaurant	12:25
DIY Store	12:32
Supermarket	12:40
Police Station	12:44
Cinema	12:58
Car Park	13:03

- a) How many minutes does it take to travel from the pizza restaurant to the cinema?
- b) How many seconds does it take to travel from the cinema to the car park?
- c) The bus is delayed for 540 seconds by roadworks. What time does it get to the police station?

2) Use the TV guide timetable to answer the questions.

16:15	Weather Forecast	16:00	Eyes on the Past History Documentary
15:45	Brain Busters Gameshow	15:50	Danger Dog Cartoon
15:25	Funny Bones Comedy Show	15:35	Today's News Show
15:10	Whizz Bang Science Show	15:15	Crazy Race Gameshow
15:00	Tom & Henry Cartoon	15:00	Ha, Ha! Comedy Show

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Channel 34	15:00	Ha, Ha! Comedy Show	15:15	Crazy Race Gameshow	15:35	Today's News Show	15:50	Danger Dog Cartoon	16:00	Eyes on the Past History Documentary

- a) How many minutes is the Brain Busters Gameshow on for?
- b) How many seconds is the Danger Dog Cartoon on for?
- c) What TV programme is on at half past three on channel 34?



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