

Answers from Monday's lesson

For how many minutes will **Red Group** be mountain biking?

40 minutes

For how many minutes in total will it take **Blue Group** to have lunch and play football?

125 minutes (2 hours 5 mins)

For how many minutes longer will **Red Group** be painting than **Blue Group**?

75 minutes

Red Group will have lunch for 50 minutes.
Use this information to fill in the gap in the table

14:15

1.	Use this information to fill in the gaps in the timetable:		
	Activity	Red Group	Blue Group
	Crazy Golf	09:00	09:10
	Go Karting	09:35	09:40
	Snack & Rest	10:35	10:20
	Mountain Biking	11:00	10:50
	Beach BBQ	12:40	12:00
	Mini Tennis	13:25	12:45
	Snack & Rest	14:25	14:05
	Trampolining	14:45	14:30
	Home Time	15:25	15:10
2.	Other than snack and rest, which two activities will Red Group do for less than one hour?		
	<i>Crazy golf and beach BBQ</i>		
3.	For how many minutes are Red Group trampolining?		
	<i>40 minutes</i>		

4.	For how many minutes in total will Blue Group do crazy golf and go-karting?
	<i>70 minutes</i>
5.	For how many minutes longer will Blue Group do mini tennis than red group?
	<i>20 minutes</i>
6.	Which group will have the shortest snack and rest time in the afternoon?
	<i>Red Group</i>
7.	Which activity are Red Group doing for 100 minutes?
	<i>Mountain biking</i>

£26.90

£20.70

£3.40

Aim

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

Success Criteria

- I can read and interpret a bus timetable written using 24-hour time.
- I can answer questions about the information shown in a bus timetable.
- I can calculate how much time has passed in minutes.

Bus Timetables



How long did it take the bus to travel between the stops?

The time at each bus stop is when each bus arrives at the stop. You need to find how long it takes to get to the next stop.

Remember to use an timeline and stop at sensible intervals (i.e.: rounding up)

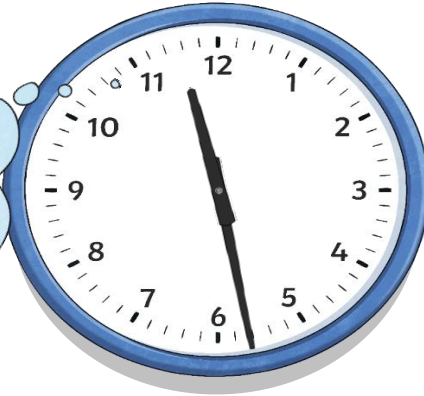


- 1) Between A and B
- 2) Between B and C
- 3) Between C and D
- 4) Between D and E
- 5) Between E and F
- 6) How long between A and F

The 24-Hour Clock

Decide whether each of these statements about 24-hour time is true or false.

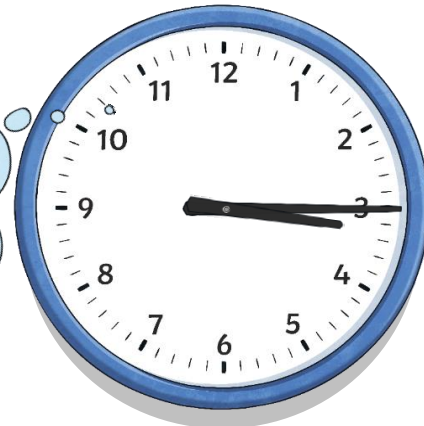
1) 23:28 is the same time as 32 minutes to midnight.



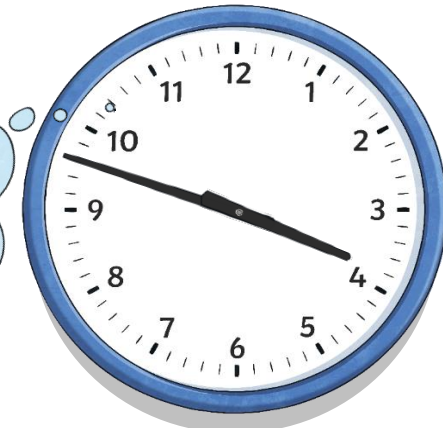
2) 14:36 is the same time as 4:36 p.m.



3) 15:15 is the same time as quarter past four in the afternoon.



4) 15:48 is the same time as 12 minutes to four in the afternoon.



Bus Timetable Questions

Ema is travelling into town on the bus. She uses a bus timetable to check the time that the bus will arrive at her stop.

Greengate Lane » Hilltop Road				
	Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00
Furniture shop	10:20	10:45	11:10	11:35
Pizza restaurant	10:25	10:50	11:15	11:40
Hardware shop	10:32	10:57	11:22	11:47
Supermarket	10:40	11:05	11:30	11:55
Police station	10:44	11:09	11:34	11:59
Bank	10:50	11:15	11:40	12:05
Cinema	10:58	11:23	11:48	12:13
Car park	11:03	11:28	11:53	12:18
Sports shop	11:05	11:30	11:55	12:20
Hilltop Road	11:25	11:50	12:15	12:40

Hilltop Road » Greengate Lane				
	Bus 24	Bus 29	Bus 33	Bus 38
Hilltop Road	11:25	11:50	12:15	12:40
Sports shop	11:45	12:10	12:35	13:00
Car park	11:47	12:12	12:37	13:02
Cinema	11:52	12:17	12:42	13:07
Bank	12:00	12:25	12:50	13:15
Police station	12:06	12:31	12:56	13:21
Supermarket	12:10	12:35	13:00	13:25
Hardware shop	12:18	12:43	13:08	13:33
Pizza restaurant	12:25	12:50	13:15	13:40
Furniture shop	12:30	12:55	13:20	13:45
Greengate Lane	13:05	13:30	13:55	14:20

These headings show the direction the bus is travelling in.

Greengate Lane » Hilltop Road					Hilltop Road » Greengate Lane				
	Bus 24	Bus 29	Bus 33	Bus 38		Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00	Hilltop Road	11:25	11:50	12:15	12:40
Furniture shop	10:20	10:45	11:10	11:35	Sports shop	11:45	12:10	12:35	13:00
Pizza restaurant	10:25	10:50	11:15	11:40	Car park	11:47	12:12	12:37	13:02

This column shows each place where the bus stops.

Greengate Lane » Hilltop Road					Hilltop Road » Greengate Lane				
	Bus 24	Bus 29	Bus 33	Bus 38		Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00	Hilltop Road	11:25	11:50	12:15	12:40
Furniture shop	10:20	10:45	11:10	11:35	Sports shop	11:45	12:10	12:35	13:00
Pizza restaurant	10:25	10:50	11:15	11:40	Car park	11:47	12:12	12:37	13:02

These columns show the time that each bus will stop at each bus stop.
The times are written using the 24-hour clock.

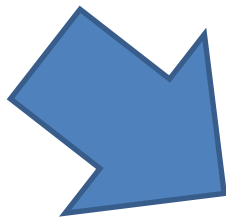
Greengate Lane » Hilltop Road					Hilltop Road » Greengate Lane				
	Bus 24	Bus 29	Bus 33	Bus 38		Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00	Hilltop Road	11:25	11:50	12:15	12:40
Furniture shop	10:20	10:45	11:10	11:35	Sports shop	11:45	12:10	12:35	13:00
Pizza restaurant	10:25	10:50	11:15	11:40	Car park	11:47	12:12	12:37	13:02

Bus Timetable Questions

We can use the timetable to answer questions about the bus journey times.

Greengate Lane » Hilltop Road				
	Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00
Furniture shop	10:20	10:45	11:10	11:35
Pizza restaurant	10:25	10:50	11:15	11:40
Hardware shop	10:32	10:57	11:22	11:47
Supermarket	10:40	11:05	11:30	11:55
Police station	10:44	11:09	11:34	11:59
Bank	10:50	11:15	11:40	12:05
Cinema	10:58	11:23	11:48	12:13
Car park	11:03	11:28	11:53	12:18
Sports shop	11:05	11:30	11:55	12:20
Hilltop Road	11:25	11:50	12:15	12:40

If I took the number 29 bus, how long would it take me to travel from the furniture shop to the supermarket?



Greengate Lane » Hilltop Road				
	Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00
Furniture shop	10:20	10:45	11:10	11:35
Pizza restaurant	10:25	10:50	11:15	11:40
Hardware shop	10:32	10:57	11:22	11:47
Supermarket	10:40	11:05	11:30	11:55
Police station	10:44	11:09	11:34	11:59
Bank	10:50	11:15	11:40	12:05
Cinema	10:58	11:23	11:48	12:13
Car park	11:03	11:28	11:53	12:18
Sports shop	11:05	11:30	11:55	12:20
Hilltop Road	11:25	11:50	12:15	12:40

How much time has passed between 10:45 and 11:05?

20 minutes

In your work book - use the timetable to answer questions about the bus journey times.

Hilltop Road » Greengate Lane

	Bus 24	Bus 29	Bus 33	Bus 38
Hilltop Road	11:25	11:50	12:15	12:40
Sports shop	11:45	12:10	12:35	13:00
Car park	11:47	12:12	12:37	13:02
Cinema	11:52	12:17	12:42	13:07
Bank	12:00	12:25	12:50	13:15
Police station	12:06	12:31	12:56	13:21
Supermarket	12:10	12:35	13:00	13:25
Hardware shop	12:18	12:43	13:08	13:33
Pizza restaurant	12:25	12:50	13:15	13:40
Furniture shop	12:30	12:55	13:20	13:45
Greengate Lane	13:05	13:30	13:55	14:20

How long would it take me to travel on the number 33 bus from the sports shop to the police station?

In your work book - use the timetable to answer questions about the bus journey times.

Greengate Lane » Hilltop Road				
	Bus 24	Bus 29	Bus 33	Bus 38
Greengate Lane	09:45	10:10	10:35	11:00
Furniture shop	10:20	10:45	11:10	11:35
Pizza restaurant	10:25	10:50	11:15	11:40
Hardware shop	10:32	10:57	11:22	11:47
Supermarket	10:40	11:05	11:30	11:55
Police station	10:44	11:09	11:34	11:59
Bank	10:50	11:15	11:40	12:05
Cinema	10:58	11:23	11:48	12:13
Car park			11:53	12:18
Sp			11:55	12:20
Hi			11:55	12:40

Look at the times that Ema could arrive at the bank.

I need to get to the bank by 12:00. What is the number and time of the latest bus I can catch from the hardware shop?

In your work book - use the timetable to answer questions about the bus journey times.

Hilltop Road » Greengate Lane				
	Bus 24	Bus 29	Bus 33	Bus 38
Hilltop Road	11:25	11:50	12:15	12:40
Sports shop	11:45	12:10	12:35	13:00
Car park	11:47	12:12	12:37	13:02
Cinema	11:52	12:17	12:42	13:07
Bank	12:00	12:25	12:50	13:15
Police station	12:06	12:31	12:56	13:21
Supermarket	12:10	12:35	13:00	13:25
Hardware shop	12:18	12:43	13:08	13:33
Pizza restaurant	12:25	12:50	13:15	13:40
Furniture shop	12:30	12:55	13:20	13:45
Greengate Lane	13:05	13:30	13:55	14:20

I caught the bus from Hilltop Road at 12:40, but the bus has been delayed for nine minutes by roadworks. What time will I get to the pizza restaurant?

In your work book - use the timetables to answer questions about the bus journey times.

Greengate Lane » Hilltop Road

Bus 24 Bus 29 Bus 33 Bus 38 Bus 40

Greengate Lane	11:45		12:35	13:00	13:45
Pizza restaurant	12:25		13:15	13:40	14:25
Hardware shop	12:32		13:22	13:47	14:32
Supermarket	12:40		13:30	13:55	14:40
Police station	12:44		13:34	13:59	14:44
Cinema	12:58		13:48	14:13	14:58
Car park	13:03		13:53	14:18	15:03
Hilltop Road	13:25		14:15	14:40	15:25

Hilltop Road » Greengate Lane

Bus 24 Bus 29 Bus 33 Bus 38 Bus 40

Hilltop Road	13:25		14:15	14:40	15:25
Car park	13:47		14:37	15:02	15:47
Cinema	13:52		14:42	15:07	15:52
Police station	14:06		14:56	15:21	16:06
Supermarket	14:10		15:00	15:25	16:10
Hardware shop	14:18		15:08	15:33	16:18
Pizza restaurant	14:25		15:15	15:40	16:25
Greengate Lane	15:05		15:55	16:20	17:05

- The number 29 bus runs 25 minutes later than the number 24 bus. Write the missing times of the number 29 bus onto the timetable.
- How long does it take Ema to travel on the number 33 bus from the pizza restaurant to the cinema?
- How long does it take Ema to travel on the number 24 bus from Greengate Lane to Hilltop Road?
- Ema catches the number 33 bus from the car park at 14:37. The bus is delayed for 11 minutes by a traffic jam. What time does she get to the supermarket?
- Ema wants to get to the cinema by 13:30. What is the number and time of the latest bus she can catch from the pizza restaurant?
- What is the number and time of the latest bus that Ema should travel on to get from Greengate Lane to the cinema before 14:00?
- What is the number and time of the latest bus that Ema should travel on to get from the hardware shop to the car park for 14:00?
- Ema gets to the supermarket at 13:35 and catches the next bus to the cinema. What time does she arrive at the cinema?

Look at this bus timetable and complete the missing times:

You need to find out the difference between each stop. Each column follows same. Erg: sports centre to cinema = takes. 13mins each time

Bus Timetable					
Sports Centre	07:30		12:15	13:45	17:00
Cinema	07:43	09:13			17:13
Town Centre		09:20	12:35	14:05	
Park	08:11	09:41	12:56		17:41
Train Station	08:26		13:11	14:41	

Use the timetable to answer the following questions.

- a) How long does it take to travel from the sports centre to the train station? _____
- b) You are at the sports centre but want to arrive at the park before 1 p.m. What time should you catch the bus?

- c) Luke is shopping in town but needs to catch his train at 5:30pm. What time is the last bus he can catch?

- d) You are travelling on the 13:45 bus but it is running 8 minutes late. You are going to the cinema to watch a movie which starts at 2:10 p.m. Will you get there in time to watch it?

Extension: Use this timetable to create 4 of your own questions – if you send them through to me I will include them in tomorrow’s lesson for everyone else to answer (so you will need to send answers too!)

Greengate Lane » Hilltop Road					
	Bus 24	Bus 29	Bus 33	Bus 38	Bus 40
Greengate Lane	11:45	12:10	12:35	13:00	13:45
Pizza restaurant	12:25	12:50	13:15	13:40	14:25
Hardware shop	12:32	12:57	13:22	13:47	14:32
Supermarket	12:40	13:05	13:30	13:55	14:40
Police station	12:44	13:09	13:34	13:59	14:44
Cinema	12:58	13:23	13:48	14:13	14:58
Car park	13:03	13:28	13:53	14:18	15:03
Hilltop Road	13:25	13:50	14:15	14:40	15:25
Hilltop Road » Greengate Lane					
	Bus 24	Bus 29	Bus 33	Bus 38	Bus 40
Hilltop Road	13:25	13:50	14:15	14:40	15:25
Car park	13:47	14:12	14:37	15:02	15:47
Cinema	13:52	14:17	14:42	15:07	15:52
Police station	14:06	14:31	14:56	15:21	16:06
Supermarket	14:10	14:35	15:00	15:25	16:10
Hardware shop	14:18	14:43	15:08	15:33	16:18
Pizza restaurant	14:25	14:50	15:15	15:40	16:25
Greengate Lane	15:05	15:30	15:55	16:20	17:05