

Warm-Up Challenge

Flashback 4

- 1) What is the area of a square with a side length of 6 cm?
- 2) What is 24×3 ?
- 3) Find the sum of £1,250 and £3,940
- 4) Write down a 4-digit number with 3 in the hundreds column.



Activate Windows
Go to Settings to activate Windows.



Learning Objective:

To be able to read, complete and interpret information in timetables.

Here is a bus timetable:

Three different buses

Bus stop locations	Mill Road	0726		0842
	High Street	0729	0803	
	Pitsmoor Road	0759	0833	
	Fulwood	0845	0919	0946

The bus starts at this time and location.

The bus does not stop here.

The bus terminates at this time and location.

Teaching Input:

What do you think
this is? What might it be
showing?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

This is a bus timetable. It shows the route from Victoria Road to Redfern Close. Each of the columns shows a different bus that departs from Victoria Road at a different time.



What time does the first bus leave from Victoria Road?

Where is its first stop?

Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

The first bus leaves from Victoria Road at 06:10 (or ten past six). It heads to Green Lane where it stops and leaves again at 06:17.

What are the next three stops on the route?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

The next three stops are Archery Road, The Square and St Bart's.

If I leave Victoria Road and 06:10, what time would I get to Turners Road?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

The bus would arrive at Turners Road at 07:11 or eleven minutes past seven. **Did you get that right?**

What if I missed the 06:10 from Victoria Road and got the 06:25? What time would I arrive at Turners Road?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

You would get to Turners Road at 07:26 or twenty-six minutes past seven. **Did you get that right?**



I want to go to Mercer's Park from Brown Park. What is the earliest time I can get the bus to go to Mercer's Park?

Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

The bus doesn't stop at Mercer's Park until the third bus of the day. This means you would need to catch the 07:37 from Brown Street to get to Mercer's Park at 08:17.

Well done if you got that one right!
If not, don't worry...we'll do some more practising!



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

I need to be at Redfern Close at twenty to nine. The closest bus stop to my house is The Square. What time should I catch the bus?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

You would need to get the 07:11 from The Square to get to Redfern Close by 7:40. If you caught the 06:46 you would be too early and the 07:29 would make you late.

Thanks for
your help!
That's great!



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

I want to go to Mercer's Lake for a walk. If I get the bus from Brown Street at 07:55, what time will I arrive at Mercer's Lake?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
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The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

If you got the 07:55 from Brown Street, you would get to Mercer's Lake at 08:39 or twenty-one minutes to nine.

Good job!
Thanks!



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
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The Dell	07:23	07:38	08:03	08:21
Grove Hill	07:28	07:43	08:08	08:26
Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

I need to get to The Dell by half past seven. What would be the best bus for me to get from Archery Road?



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
Turners Road	07:11	07:26	07:51	08:09
The Dell	07:23	07:38	08:03	08:21
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Mercer's Park	----	----	08:17	08:35
Mercer's Lake	----	----	08:21	08:39
Redfern Close	07:54	08:07	08:34	08:52

Teaching Input:

To get to The Dell from Archery Road by half past seven, you would need to catch the 06:22 bus. The next bus would make you eight minutes late!

That's an early start but at least I'll make it on time!



Victoria Road	06:10	06:25	06:50	07:08
Green Lane	06:17	06:32	06:57	07:15
Archery Road	06:22	06:37	07:02	07:20
The Square	06:31	06:46	07:11	07:29
St Bart's	06:44	06:59	07:24	07:42
Brown Street	06:57	07:12	07:37	07:55
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Independent Activity:

Grab a piece of paper and a pen and see how many questions you can answer.

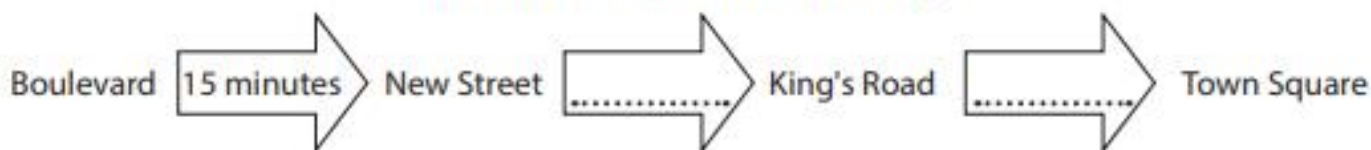
Note: This activity is NOT in the new work pack.

	BUS A	BUS B	BUS C	BUS D
Boulevard	09:50	10:30	11:30
New Street	10:05	10:45	11:15	11:45
King's Road	10:25	11:35	12:05
Town Square	11:00	11:40	12:10	12:40



- a Use the table above to complete the information below.

Time taken between each bus stop



- b Each bus takes the same amount of time between stops. Now complete the missing times on the timetable.
- c Zak has an appointment on King's Road at **11:45**. Which bus should he catch from the Boulevard? Bus

- d Kasim arrives at the bus stop in New Street at **10:10**. How long does he have to wait for the next bus? minutes

What time will he arrive at Town Square?

- e There is a traffic jam and **Bus A** is delayed by **10 minutes**. Write its new departure times.

Boulevard : New Street : King's Road : Town Square :

Mastery Challenge: Are you a Maths Mastery Champion?!?

Explain

Sam lives in Lancaster. He has a job interview at an office which is a 20-minute walk from Manchester Piccadilly train station. His interview starts at 10:15am.

Here is the train timetable:

Penrith	7:19	7:45	8:11	8:32
Lancaster	7:58	8:24	8:50	9:11
Preston	8:18	8:44	9:10	9:31
Wigan	8:30	8:56	9:22	9:43
Manchester Piccadilly	9:01	9:27	9:53	10:14
Manchester Airport	9:07	9:43	10:09	10:30

At what time does Sam need to arrive at Lancaster train station?