

Tuesday 14th July

Year 5: Timetables

Introduction

Read the information in the timetable.

Origin	Destination	Depart	Arrive	Changes
Leeds	Manchester	14:25	15:40	2
Halifax	York	14:40	15:35	3
Manchester	Halifax	15:05	15:55	0
York	Leeds	15:35	16:05	1

What is this timetable showing?

Which line has the most changes?

What is the earliest departure on the timetable?

What is the earliest arrival on the timetable?

Introduction

Read the information in the timetable.

Origin	Destination	Depart	Arrive	Changes
Leeds	Manchester	14:25	15:40	2
Halifax	York	14:40	15:35	3
Manchester	Halifax	15:05	15:55	0
York	Leeds	15:35	16:05	1

What is this timetable showing?

Different train departure and arrival times.

Which line has the most changes?

The train from Halifax to York has 3 changes.

What is the earliest departure on the timetable?

The earliest departure is Leeds to Manchester at 14:25.

What is the earliest arrival on the timetable?

The Halifax to York arrives at 15:35.

Varied Fluency 1

Look at the train timetable below.

	Train A	Train B	Train C	Train D
Chester	08:35	09:05	09:35	10:15
Whitby Woods	08:47	09:17	09:48	10:27
Ellesmere Port	08:50	09:20	09:52	10:30
Hooton	09:02	09:32	10:05	10:42
Bromborough	09:08	09:38	10:13	10:48
Liverpool	09:35	10:15	10:40	11:10

Which train takes the shortest amount of time to get from Chester to Liverpool?

How many more seconds does it take to get from Whitby Woods to Ellesmere Port on the 09.35 train compared with the other trains?

Varied Fluency 1

Look at the train timetable below.

	Train A	Train B	Train C	Train D
Chester	08:35	09:05	09:35	10:15
Whitby Woods	08:47	09:17	09:48	10:27
Ellesmere Port	08:50	09:20	09:52	10:30
Hooton	09:02	09:32	10:05	10:42
Bromborough	09:08	09:38	10:13	10:48
Liverpool	09:35	10:15	10:40	11:10

Which train takes the shortest amount of time to get from Chester to Liverpool? **Train D**

How many more seconds does it take to get from Whitby Woods to Ellesmere Port on Train C compared to the other trains? **60 seconds**

Varied Fluency 2

Each train takes the same amount of time to travel between each station.

London Euston	14:37	14:57	15:17	
Watford		15:10		15:50
Milton Keynes	15:15		15:55	16:15
Coventry	15:45	16:05		16:45
Birmingham		16:22	16:42	

Calculate the missing times.

Varied Fluency 2

Each train takes the same amount of time to travel between each station.

London Euston	14:37	14:57	15:17	15:37
Watford	14:50	15:10	15:30	15:50
Milton Keynes	15:15	15:35	15:55	16:15
Coventry	15:45	16:05	16:25	16:45
Birmingham	16:02	16:22	16:42	17:02

Calculate the missing times.

Varied Fluency 3

Zumba lasts for 18 minutes less than Yoga.
What time does Zumba finish?

Aerobics	Yoga	Pilates	Zumba	Karate
17:25 — 18:05	18:00 — 19:00	18:55 — 19:30	20:45 — ?	21:15 — 21:45

Varied Fluency 3

Zumba lasts for 18 minutes less than Yoga.
What time does Zumba finish?

Aerobics	Yoga	Pilates	Zumba	Karate
17:25 — 18:05	18:00 — 19:00	18:55 — 19:30	20:45 — 21:27	21:15 — 21:45

Problem Solving 1

A cinema is showing three films.
Use the information below to create a timetable
to show what time each film starts and ends.

Journey to Jupiter starts 25 minutes after Finding Nory and ends 10 minutes before it. Finding Nory lasts for 1 hour 45 minutes and finishes at 9:05pm. Maze Jogger starts 15 minutes before Finding Nory and finishes 5 minutes after Journey to Jupiter.

Problem Solving 1

A cinema is showing three films.
Use the information below to create a timetable
to show what time each film starts and ends.

Journey to Jupiter starts 25 minutes after Finding Nory
and ends 10 minutes before it. Finding Nory lasts for
1 hour 45 minutes and finishes at 9:05pm. Maze Jogger
starts 15 minutes before Finding Nory and finishes
5 minutes after Journey to Jupiter.

Timetables should include: Finding Nory 7:20pm – 9:05pm
Journey to Jupiter 7:45pm – 8:55pm
Maze Jogger 7:05pm – 9:00pm

Reasoning 1

Caleb thinks he spends most time studying English each week.

	9:05 – 10:05	10:05 – 11:05	11:05 – 12:05	12:05 – 13:05	13:05 – 14:05
Mon	English	Dance	Lunch	Maths	
Tues	History	Maths		Lunch	Music
Wed	Maths		Gym	Lunch	English
Thurs	History	Music	English	Lunch	Art
Fri	English	Art		Lunch	Hockey

Do you agree with him? Explain why.

Reasoning 1

Caleb thinks he spends most time studying English each week.

	9:05 – 10:05	10:05 – 11:05	11:05 – 12:05	12:05 – 13:05	13:05 – 14:05
Mon	English	Dance	Lunch	Maths	
Tues	History	Maths		Lunch	Music
Wed	Maths		Gym	Lunch	English
Thurs	History	Music	English	Lunch	Art
Fri	English	Art		Lunch	Hockey

Do you agree with him? Explain why.
No because...

Reasoning 1

Caleb thinks he spends most time studying English each week.

	9:05 – 10:05	10:05 – 11:05	11:05 – 12:05	12:05 – 13:05	13:05 – 14:05
Mon	English	Dance	Lunch	Maths	
Tues	History	Maths		Lunch	Music
Wed	Maths		Gym	Lunch	English
Thurs	History	Music	English	Lunch	Art
Fri	English	Art		Lunch	Hockey

Do you agree with him? Explain why.

No because he studies English for 5 hours but he studies Maths for 6 hours.

Reasoning 2

Sally has created a timetable of her after school activities. She thinks she spends more than 2,000 seconds a day watching TV.

Violin	Homework	Dance	TV	Reading
15:25 — 16:05	16:45 — 17:20	18:20 — 19:15	19:50 — 20:30	20:40 — 21:10

Do you agree? Explain why.

Reasoning 2

Sally has created a timetable of her after school activities. She thinks she spends more than 2,000 seconds a day watching TV.

Violin	Homework	Dance	TV	Reading
15:25 — 16:05	16:45 — 17:20	18:20 — 19:15	19:50 — 20:30	20:40 — 21:10

Do you agree? Explain why.
Yes because...

Reasoning 2

Sally has created a timetable of her after school activities. She thinks she spends more than 2,000 seconds a day watching TV.

Violin	Homework	Dance	TV	Reading
15:25 — 16:05	16:45 — 17:20	18:20 — 19:15	19:50 — 20:30	20:40 — 21:10

Do you agree? Explain why.

Yes because she watches TV for 40 minutes which is 2,400 seconds.

Year 5 Developing

1a. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Prestwich	9:15	10:15	11:15	12:15
Carr Clough	9:25	10:25	11:25	12:25
Kersal	9:30	10:30	11:30	12:30
Cromwell St.	9:35	10:35	11:35	12:35
Manchester	9:55	10:55	11:45	12:50

How long does it take Bus C to get from Cromwell Street to Manchester?

Which two buses take exactly the same amount of time to travel from Prestwich to Manchester?



5 VF

1b. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Beeston	7:05	8:05	9:05	10:05
Infirmity St.	7:30	8:30	9:30	10:25
Headingley	7:50	8:50	9:50	10:40
Holt Park	8:00	9:00	10:00	10:50

How long does it take for Bus D to get from Headingley to Holt Park?

Which bus takes the shortest amount of time to travel from Beeston to Holt Park?



5 VF

2a. Here is a timetable for lake cruises.

	Boat A	Boat B	Boat C	Boat D
Glenridding	2:00pm	3:00pm	4:00pm	5:00pm
Aira Force	-	3:15pm	-	5:15pm
Howtown	2:35pm	3:35pm	-	5:35pm
Pooley Bridge	2:55pm	4:00pm	4:45pm	6:00pm

Does each journey last the same amount of time?

How long does it take Boat C to get to Pooley Bridge?



2b. Here is a timetable for lake cruises.

Leave Bowness	Arrive at Brockhole
10:30am	10:50am
11:25am	11:45am
1:00pm	1:20pm

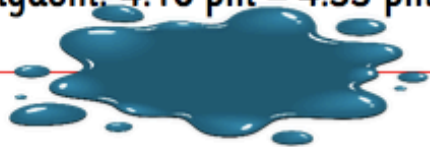
Does each journey last the same amount of time?

How long is the journey from Bowness to Brockhole?



1a. Kenneth has spilled paint on to his TV guide.

Animal Kingdom: 4:10 pm – 4:55 pm
Top Car:



Top Car starts 20 minutes after Animal Kingdom and ends 5 minutes before Animal Kingdom ends.

What time does Top Car start and end?



5 PS

1b. Hattie has spilled paint on to her timetable.

Aerobics: 2:20 pm – 3:00 pm
Dance:



Dance starts 15 minutes before Aerobics and ends 10 minutes after Aerobics ends.

What time does Dance start and end?



5 PS

2a. Kirsty thinks Science is her longest lesson on Monday.

	9:00am – 10:00am	10:00am – 11:00am	11:00am – 12:00pm	12:00pm – 1:00pm	1:00pm – 2:00pm
Mon	Maths		Reading	Lunch	Science

Do you agree with her?
Explain why.

2b. Alan thinks Quiz Time is on for the longest amount of time at the weekend.

	1:00pm – 2:00pm	2:00pm – 3:00pm	3:00pm – 4:00pm	4:00pm – 5:00pm	5:00pm – 6:00pm
Sat	Master Baker	The Island	Quiz time	The News	Lotto
Sun	The News	Judge Jimmy	Bargain Hunters	Quiz time	The News

Do you agree with him?
Explain why.

Year 5 Expected

4a. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Chester	06:45	07:15	07:45	08:15
Whitby Woods	06:57	07:27	07:58	08:27
Hooton	07:12	07:42	08:15	08:42
Eastham	07:14	07:44	08:18	08:44
Bromborough	07:18	07:48	08:23	08:48
Liverpool	07:43	08:13	08:49	09:13

Which bus takes the longest amount of time to get from Chester to Liverpool?

How many seconds does it take to get from Hooton to Eastham on Bus B?



5 VF

5a. Each train takes the same amount of time to travel between each station.

London Euston	18:35		19:25	19:50
Watford	18:50	19:15		
Milton Keynes		19:36	20:01	
Coventry	19:46		20:36	21:01
Birmingham	19:57	20:20		21:12

Calculate the missing times.



4b. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Huddersfield	05:45	06:50	20:05	21:35
Emley	06:13	07:18	20:33	22:03
Flockton	06:19	07:24	20:39	22:09
Overton	06:24	07:29	20:44	22:14
Wakefield	06:45	07:54	21:05	22:35

On Bus A, how much longer does it take to get from Emley to Wakefield than to get from Huddersfield to Emley?

How many seconds longer does it take to get from Huddersfield to Wakefield on Bus B than the other buses?



5 VF

5b. Each bus takes the same amount of time to travel between each station.

Harrogate	10:05	12:15	
Knaresborough	10:25		13:21
Farnham		12:49	13:35
Copgrove	10:55	13:05	
Ripon	11:08		14:04

Calculate the missing times.



5a. George thinks French is his longest lesson on Tuesday.

	9:05 – 10:05	10:05 – 11:05	11:05 – 12:05	12:05 – 13:05	13:05 – 14:05
Mon	English	Computing	Lunch	Maths	Science
Tues	Science	Maths	Music	Lunch	French
Wed	Maths	English	Choir	Lunch	P.E.

Do you agree with him? Explain why.



S R

6a. Emma has created a timetable of what she does after school. She thinks she spends more than 3,000 seconds a day reading.

Piano	Reading	Swimming	Games	Reading
15:35 – 16:10	16:35 – 16:50	18:15 – 19:05	20:00 – 20:30	20:45 – 21:00

Do you agree? Explain why.



5b. Jo thinks Space Invaders is on for the longest amount of time over the week.

	13:15 – 14:15	14:15 – 15:15	15:15 – 16:15	16:15 – 17:15	17:15 – 18:15
Mon	Space Invaders	Super Chef	Quiz Master	Terry Trouble	The News
Tues	Space Invaders	The Hunt	Quiz Master	The Hunt	Inspector
Wed	Terry Trouble	Super Chef	Quiz Master	Inspector	The News
Thur	Inspector	Quiz Master	The News	Space Invaders	
Fri	The News	Super Chef		Terry Trouble	Space Invaders

Do you agree with her? Explain why.



S R

6b. Simon thinks that the coach from New Moston to Chadderton takes 36 seconds.

Manchester	09:17
Failsworth	09:38
New Moston	09:43
Chadderton	09:49
Bradford	10:16

Do you agree? Explain why.



Year 5 Greater Depth

7a. Look at the train timetable below.

	Train A	Train B	Train C	Train D
West Kirby	18:36	19:08	19:24	19:53
Hoylelake	18:39	19:11	19:27	19:56
Leasowe	18:48	19:20	19:36	20:05
Birkenhead	18:54	19:26	19:42	20:11
Hamilton	19:01	19:33	19:49	20:18
Lime Street	19:08	19:40	19:56	20:25

Train B is delayed for 17 minutes at Leasowe. What time will it arrive at the other stations?

How many more seconds does it take to get from Hamilton to Lime Street than West Kirby to Hoylelake?



S VF

7b. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Lincoln	05:30	05:50	06:10	06:20
Waddington	05:46	06:07	06:27	06:48
Leadenham	06:04	06:25	06:45	06:59
Honington	06:21	06:42	07:02	07:26
Belton	06:27	06:52	07:12	07:38
Grantham	06:32	06:58	07:18	07:43

Bus C is delayed for 27 minutes and Bus D is delayed for 2 minutes. Which bus arrives at Grantham soonest?

How many more seconds does it take to get from Honington to Belton on Bus D than Bus B?



S VF

8a. Each boat takes the same amount of time to travel between each pier.

Bankside Pier		12:46	13:04	
Blackfriars Pier	12:22		13:07	13:31
Embankment Pier	12:29		13:14	13:38
Millbank Pier		13:04		13:46
Vauxhall Pier		13:07	13:25	
Battersea Pier	12:43		13:28	13:52

Calculate the missing times.

8b. Each train takes the same amount of time to travel between each station.

Birmingham	18:33		19:27	
Coventry	18:49	19:12		
Milton Keynes		19:27		20:16
Watford	19:47	20:10	20:41	
London Euston	19:56		20:50	21:08

Calculate the missing times.

8a. Bobby thinks he spends the most time studying English each week.

	9:20 – 10:20	10:20 – 11:20	11:20 – 12:20	12:20 – 13:20	13:20 – 14:20	
Mon	English	Science	Lunch	French	Maths	5 R.E.
Tues	Maths	French	History	Lunch	Art	5 R.E.
Wed	Science	P.E.	Lunch	Maths	History	
Thurs	P.E.	French	Lunch	Maths	History	
Fri	Art	Music	Maths	Lunch	English	

Do you agree with him? Explain why.



5 R

8b. Zak thinks The Island is on for the longest amount of time over the week.

	13:15 – 14:15	14:15 – 15:15	15:15 – 16:15	16:15 – 17:15	17:15 – 18:15	
Mon	Born to Win	Vets and Pets	Quiz Time	The News	Bargain Hunters	
Tues	The News	Spell Better	Judge Jimmy	The Island	Genius	
Wed	Country Life	Quiz Time	Bargain Hunters	The Island	The News	
Thurs	Spell Better	The News	Genius	Vets and Pets	Quiz Time	
Fri	Judge Jimmy	The Island	Quiz time	The News	Lotto	

Do you agree with him? Explain why.



5 R

9a. Georgia has created a timetable of her activities. She thinks she spends more than 5,000 seconds a day playing on her computer.

Karate	TV	Homework	Computer	Reading
09:45 – 11:30	13:25 – 15:58	16:34 – 17:39	18:53 – 20:24	20:45 – 21:10

Do you agree with her? Explain why.



9b. Hashim thinks that the coach from London Victoria to Luton Airport takes 1,260 seconds.

London Victoria	14:32
Marble Arch	14:41
Baker Street	14:46
St John's Wood	14:51
Golders Green	15:08
Luton Airport	15:53

Do you agree with him? Explain why.

