

## Bronze

1a. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Prestwich	9:10	10:10	11:00	12:00
Carr Clough	9:20	10:20	11:10	12:10
Kersal	9:30	10:30	11:20	12:20
Cromwell St.	9:40	10:40	11:30	12:30
Manchester	9:50	10:50	11:50	12:40

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

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



VF

2a. Here is a timetable for lake cruises. Does each journey last the same amount of time?

	Boat A	Boat B	Boat C	Boat D
Glenridding	2:00	3:00	4:00	5:00
Aira Force	-	3:10	-	5:10
Howtown	2:30	3:30	-	5:30
Pooley Bridge	2:50	3:50	4:40	5:50

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



VF

3a. Football Club lasts ten minutes longer than Tennis Club. What time should Football Club end?

Cricket	Hockey	Tennis	Dance	Football
9:00am	9:00am	9:10am	9:30am	9:00am
-	-	-	-	-
9:30am	9:40am	9:40am	9:50am	?

1b. Hattie has spilled paint on her timetable.

Aerobics: 14:20 – 14:40  
Dance:



Dance starts 10 minutes before Aerobics and ends 10 minutes after Aerobics ends. What time does Dance start and end?



PS

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

	13:00 – 14:00	14:00 – 15:00	15:00 – 16:00	16:00 – 17:00	17:00 – 18:00
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.



R

3b. Mason thinks that the coach from Leeds to Chadderton takes over half an hour.

Leeds	09:00
Bradford	09:10
Chadderton	09:20
New Moston	09:30
Faiisworth	9:40
Manchester	09:50

Do you agree with him? Explain why.

4a. Look at the bus timetable below.

	Bus A	Bus B	Bus C	Bus D
Chester	06:45	07:15	07:45	08:15
Capenhurst	06:50	07:20	07:50	08:20
Hooton	07:05	07:35	08:05	08:35
Eastham	07:15	07:45	08:15	08:45
Bromborough	07:20	07:50	08:20	08:50
Liverpool	07:45	08:15	08:55	09:15

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?



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		19:35	20:00	
Coventry	19:45		20:35	21:00
Birmingham	20:00	20:25		21:15

Calculate the missing times.



VF

6a. Pilates lasts 15 minutes longer than Aerobics. What time does Aerobics start?

Aerobics	Yoga	Pilates	Zumba	Karate
?	18:05	19:25	20:30	21:00
-	-	-	-	-
18:05	19:25	20:30	21:00	21:45

4b. A sports centre is providing three classes. Use the information below to create a timetable to show what time each class starts and ends.

Karate starts 10 minutes after Judo and ends 10 minutes before it. Judo lasts for 55 minutes and ends at 7:25pm. Taekwondo starts 20 minutes before Judo and ends 15 minutes after Karate.



PS

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
Tue	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.



R

6b. Simon thinks that the coach from New Moston to Chadderton takes 1,800 seconds.

Manchester	09:15
Fairsworth	09:35
New Moston	09:45
Chadderton	10:20
Bradford	10:45

Do you agree with him? Explain why.

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
Hoylake	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 Hoylake?



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.



VF

9a. Ballet lasts 18 minutes longer than Street Dance and ends 14 minutes before Tap begins. What time should Ballet start and end?

Ballet	Tap	Street	Ballroom
?	13:45	15:05	15:55
-	-	-	-
?	14:10	15:55	16:45

7b. Four trains are soon departing from the station. Use the information below to create a timetable to show what time each train departs.

The train to London leaves 18 minutes after the train to Manchester, 28 minutes before the train to Glasgow and 13 minutes before the train to Birmingham. The train from Edinburgh to Glasgow leaves at 17:53.



PS

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.



R

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.

## Challenge

1. Charlotte is sight-seeing in London and catches the bus to see every landmark in a day. She walks to the London Eye to start her day at 09:00 and needs to be finished before 18:00. She hopes to spend at least an hour at each landmark. The timetable shows the bus departure times throughout the day at each landmark.

London Eye	09:30	every 30 minutes until	16:30
Houses of Parliament	09:45	every 30 minutes until	16:45
Buckingham Palace	09:59	every 30 minutes until	16:59
The Shard	10:11	every 30 minutes until	17:11
St. Paul's Cathedral	10:24	every 30 minutes until	17:24

Investigate the different combinations of bus times that she will need to take in order to see all the landmarks.

She doesn't get up until after 09:30 but arrives at the London Eye for 10:30. Which bus times does she need to take now? Can she still see all the landmarks before 18:00?

2. Tom makes online videos on Metube as his job. He is trying to organise his weekly work schedule. He has started creating a timetable. The Hitch Livestreams cannot be moved. He must include:

SLEEP at least 8 hours per day	METUBE at least 8 hours per day	FOOD at least 2 hours per day	SEE FRIENDS at least 3 hours per week	RELAX at least 2 hours per day
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Explore how he could organise his timetable for the rest of the week.

	00:00 – 04:00	04:00 – 08:00	08:00 – 12:00	12:00 – 16:00	16:00 – 20:00	20:00 – 00:00			
Mon	SLEEP	FOOD	METUBE	FOOD	METUBE	FRIENDS	FOOD	RELAX	SLEEP
Tues				HITCH LIVESTREAMS					
Weds									
Thurs									
Fri						HITCH LIVESTREAMS			