

## Reasoning and Problem Solving – Timetables

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.



5 R

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.



5 R

3a. Simone has created a homework timetable.  
She thinks she spends 60 minutes doing her homework.

Reading	Spelling	Times Tables	Writing	Reading
3:30pm – 3:45pm	3:45pm – 4:00pm	4:00pm – 4:10pm	4:10pm – 4:20pm	4:20pm – 4:30pm

Do you agree? Explain why.



5 R

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

Leeds	09:00
Bradford	09:10
Chadderton	09:15
New Moston	09:20
Failsworth	10:30
Manchester	10:45

Do you agree? Explain why.



5 R

## Reasoning and Problem Solving – Timetables

4a. A cinema is showing three films. Use the information below to create a timetable to show what time each film starts and ends.

Robo-Warrior starts 15 minutes after Space Turtles and ends 5 minutes before it. Space Turtles last for 1 hour 35 minutes and finishes at 8:15pm. Magical Mind starts 10 minutes before Space Turtles and ends 20 minutes after Robo-Warrior.



5 PS

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 8 minutes before it. Judo last for 55 minutes and ends at 7:25pm. Taekwondo starts 12 minutes before Judo and ends 15 minutes after Karate.



5 PS

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.



5 R

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.



5 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.



5 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.



5 R

## Reasoning and Problem Solving – Timetables

7a. The TV Guide shows what time three shows are on. Use the information below to create a timetable to show what time each show starts and ends.

Gardener's Globe starts 13 minutes after Grumpy Granny and finishes 8 minutes before it. Grumpy Granny lasts for 1 hour 47 minutes and finishes at 7:32pm. Super Heroes starts 21 minutes before Grumpy Granny and finishes 23 minutes after Gardner's Globe.



5 PS

7b. Three 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.



5 PS

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	R.E
Tues	Maths	French	History	Lunch	Art	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.



5 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.



5 R