




1)

Time	24-Hour Clock Time
half past 7 in the evening	19:30
9:47 a.m.	09:47
13 minutes to 10 in the evening	21:47
midnight	24:00 or 00:00
	17:15
midday	12:00
quarter to eleven in the evening.	22:45
five a.m.	05:00
8:36 p.m.	20.36
11:00 p.m.	23:00

2)

Bus 1 Timetable					
Sports Centre	07:30	09:00	12:15	13:45	17:00
Cinema	07:43	09:13		13:58	17:13
Town Centre	07:50	09:20	12:35	14:05	17:20
Park	08:11	09:41	12:56	14:26	17:41
Train Station	08:26	09:56	13:11	14:41	

- a) *56 minutes*
- b) *12:15*
- c) *14:05*
- d) *Yes. You will arrive at the cinema at 14:06 with four minutes to spare.*

- 1)
- a) *False. There is no bus at 13:00 or at 14:00.*
 - b) *True.*
 - c) *False. The latest bus that will get you from the theatre to the hospital is the 12:43 bus, which will get you to the hospital at 13:50.*
 - d) *False. The journey from the museum to the supermarket takes 77 minutes while the journey from the theatre to the hospital takes 67 minutes.*



1)




Train 1 Timetable					
Twinkl Town	05:50	06:50	07:50	08:50	09:50
Zoo	06:08	07:08	08:08	09:08	10:08
Twinkl Towers	06:23	07:23	08:23	09:23	10:23
Stadium	07:44	08:44	09:44	10:44	11:44
City Centre	08:32	09:32	10:32	11:32	12:32
Airport	11:20	12:20	13:20	14:20	15:20

Timetable answers will vary as the task is open-ended. The timetable shown is one possible example.



1) Complete the table, by converting the times into 24-hour clock times and vice versa.

Time	24-Hour Clock Time
half past 7 in the evening	
9:47 a.m.	
13 minutes to 10 in the evening	
midnight	
 evening	
midday	
quarter to eleven in the evening	
five a.m.	
	20:36
	23:00

2) Look at this bus timetable and complete the missing times:

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?



1) Look at the bus timetable:

Bus 2 Timetable										
Station	06:00	07:00	08:00	09:00	10:00	12:00		15:00	16:00	17:00
Theatre	06:43	07:43	08:43	09:43	10:43	12:43			16:43	17:43
Museum	07:20	08:20	09:20	10:20	11:20	13:20	15:20			18:20
Hospital	07:50	08:50	09:50	10:50	11:50	13:50	15:50	16:50		
Supermarket	08:37	09:37	10:37	11:37	12:37	14:37	16:37	17:37	18:37	

Now read these statements and decide if they are true or false, explaining your reasoning.

a) A bus leaves the station on every hour.

b) It takes exactly two hours and thirty-seven minutes to travel from the station to the supermarket.

c) If you take the correct bus from the theatre to the hospital, you can arrive at the hospital at exactly 3pm.

d) The journey time from the museum to the supermarket is shorter than the journey time from the theatre to the hospital.



1) Use the statements below in order to create your own train timetable, using the 24-hour clock.



Train Timetable					
Town					
Zoo					
Towers					
Stadium					
City Centre					
Airport					

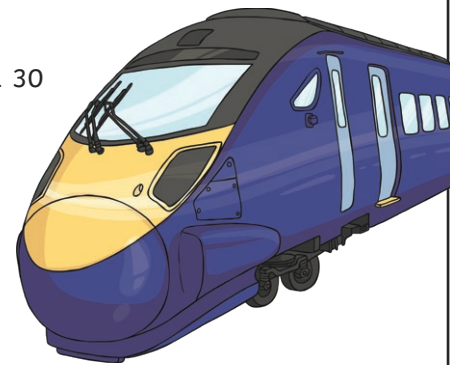
The train always leaves Twinkl Town at ten minutes to the hour.

The journey time to Twinkl Towers from the Twinkl Town station is between 30 and 35 minutes.

The train always leaves the zoo between five and quarter past the hour.

The stadium is reached 48 minutes before the city centre station.

The journey time between the city centre station and the airport is between 2 hours 45 minutes and 3 hours.



2) Now create your own timetable questions based on the timetable you have created.

Diving into Mastery

Town Centre 73



Timetables

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.



Aim

- Complete, read and interpret information in tables, including timetables.



Look at this bus timetable and complete the missing times:

Bus Timetable				
Twinkl Station	06:37	09:20	12:00	18:45
Twinkl Airport	06:57	09:40	12:20	19:05
Twinkl City Centre	07:15	09:58	12:38	19:23
Twinkl Hotel	07:43	10:26	13:06	19:51

Which bus should I catch from Twinkl Station to arrive at the Twinkl Hotel by 8 p.m.? **You would need to catch the 18:45 bus.**

If I catch the 9:40 bus from Twinkl Airport, what time will I arrive at the Twinkl Hotel? **You will arrive at 10:26.**



How long will my journey take to the Twinkl City Centre if I catch the 06:37 bus from Twinkl Station? **It will take 38 minutes.**



This is part of a school timetable:

	9:15 – 10:00	10:00 – 10:45	Break (10:45 – 11:15)	11:15 – 12:30	Lunch (12:30 – 1:15)	1:15 – 2:15	2:15 – 3:15
Mon	English	PE		DT		Science	Maths
Tue	Maths	Music		English		PE	Computing
Wed	English	Science		History		Maths	Geography

Decide if the following statements are true or false, explaining your reasoning.

At 13:50 on a Tuesday, I would be in a science lesson.

False. You would be in a PE lesson.

There is the same amount of time spent in maths as there is English.

True. 165 minutes are spent in maths and 165 minutes in English.

There is more time spent at break and lunch than in science, history, geography and computing combined. **False.** 225 minutes are spent at break and lunch compared to 300 minutes in science, history, geography and computing.

Timetables

Deepest



Use the statements below in order to create your own school timetable for Monday, Tuesday and Wednesday: *Here is one example timetable.*

	9:15 – 10:00	10:00 – 10:45	Break (10:45 – 11:15)	11:15 – 12:30	Lunch (12:30 – 1:15)	1:15 – 2:15	2:15 – 3:15
Mon	English	Maths		English		Maths	PE
Tue	Computing	Maths		PE		Maths	Computing
Wed	PE	English		Maths		Music	English

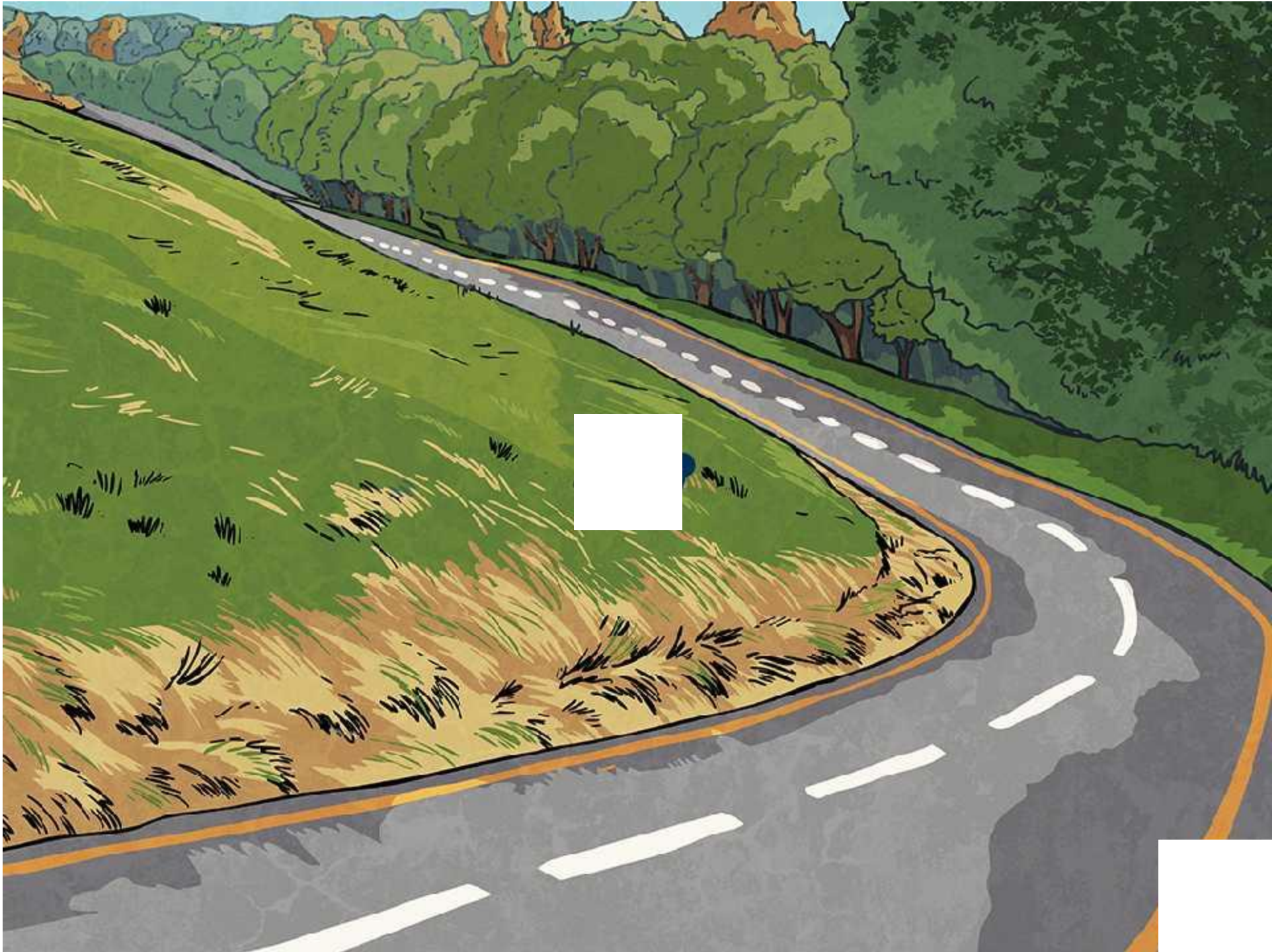
There should be between 190 and 240 minutes of English in total.

Music should take place from 1:15 until 2:15.

PE should be taught every day and one lesson should last an hour.


Computing should be the first lesson and the last lesson on one day.





- 1) Complete the table, by converting the times into 24-hour clock times and vice versa.




Time	24-Hour Clock Time
half past 7 in the evening	
9:47 a.m.	
13 minutes to 10 in the evening	
midnight	
 evening	
midday	
quarter to eleven in the evening	
five a.m.	
	20:36
	23:00

- 2) Complete the **Bus 1 Timetable** by converting the times into 24-hour clock times and vice versa.
Use the timetable to answer the following questions.

- How long does it take to travel from the sports centre to the train station?
- You are at the sports centre but want to arrive at the park before 1 p.m. What time should you catch the bus?
- Luke is shopping in town but needs to catch his train at 5:30pm. What time is the last bus he can catch?
- 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?

- 1) Complete the table, by converting the times into 24-hour clock times and vice versa.



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- 2) Complete the **Bus 1 Timetable** by converting the times into 24-hour clock times and vice versa.
Use the timetable to answer the following questions.

- How long does it take to travel from the sports centre to the train station?
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- 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?

1) Look at **Bus Timetable 2**.



Now read these statements and decide if they are true or false, explaining your reasoning.

- a) A bus leaves the station on every hour.
- b) It takes exactly two hours and thirty-seven minutes to travel from the station to the supermarket.
- c) If you take the correct bus from the theatre to the hospital, you can arrive at the hospital at exactly 3pm.
- d) The journey time from the museum to the supermarket is shorter than the journey time from the theatre to the hospital.



1) Look at **Bus Timetable 2**.



Now read these statements and decide if they are true or false, explaining your reasoning.

- a) A bus leaves the station on every hour.
- b) It takes exactly two hours and thirty-seven minutes to travel from the station to the supermarket.
- c) If you take the correct bus from the theatre to the hospital, you can arrive at the hospital at exactly 3pm.
- d) The journey time from the museum to the supermarket is shorter than the journey time from the theatre to the hospital.



1) Create your own timetable using the **Train Timetable** and the statements below. It should use the 24-hour clock.



The train always leaves Twinkl Town at ten minutes to the hour.

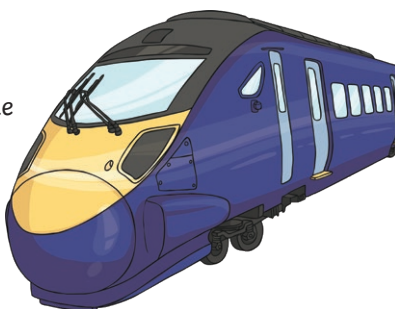
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The stadium is reached 48 minutes before the city centre station.

The journey time between the city centre station and the airport is between 2 hours 45 minutes and 3 hours.

2) Now create your own timetable questions based on the timetable you have created.



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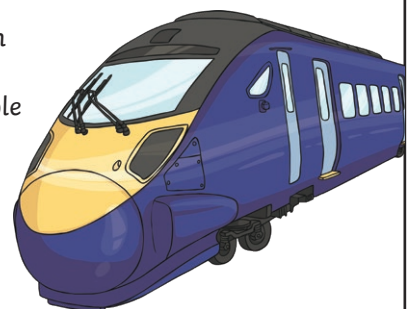
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2) Now create your own timetable questions based on the timetable you have created.



Bus 1 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	
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Train Station	08:26		13:11	14:41	

Bus 2 Timetable										
Station	06:00	07:00	08:00	09:00	10:00	12:00		15:00	16:00	17:00
Theatre	06:43	07:43	08:43	09:43	10:43	12:43			16:43	17:43
Museum	07:20	08:20	09:20	10:20	11:20	13:20	15:20			18:20
Hospital	07:50	08:50	09:50	10:50	11:50	13:50	15:50	16:50		
Supermarket	08:37	09:37	10:37	11:37	12:37	14:37	16:37	17:37	18:37	

Train Timetable					
Town					
Zoo					
Towers					
Stadium					
City Centre					
Airport					