



# MathShed

★ Year 5/6

Home Learning

Lesson 6: To be able to read timetables to extract information



Term: Autumn

Unit: Block 3 – Statistics

Lesson: 6



**MathShed**

To be able to read timetables to extract information

## Success criteria:

- ✓ I can read a range of timetables to extract information
- ★ ✓ I can explain my reasoning when reading a range of timetables to extract information



**MathShed**

To be able to read timetables to extract information

**Starter:**

Which train service is the odd one out?

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26	08:07	08:41
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Explain your answer.



**MathShed**

To be able to read timetables to extract information

**Starter:**

Which train service is the odd one out?

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26	08:07	08:41
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

The 06:35 train service is the odd one out as it is the only train service that doesn't stop at Sunnydale.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

On the 07:05 train, how long does it take to get from Midford to Westville?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

It takes 7 minutes to get from Midford to Westville on the 07:05 train.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Can you travel to Westville on the 08:12 train from Hillyfield?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Yes, you can travel to Westville on the 08:12 train from Hillyfield.





**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Which train takes the longest time to travel between Southside and Highstone?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

The 08:12 train takes the longest time to travel between Southside and Highstone.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

If you are leaving from Sunnydale and need to arrive in Southside by 07:45, which is the best train for you to catch?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

If you are leaving from Sunnydale and need to arrive in Southside by 07:45, you should board the 07:14 train leaving Sunnydale to arrive at 07:43 (2 mins early).



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Which train takes the longest time to travel between Westville and Southside?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

The 07:47 train from Hillyfield takes the longest time to travel between Westville and Southside (11 minutes).



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Yasmin travels on the 07:05 train from Hillyfield to Westville, how long does she spend on the train?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

Yasmin travels on the 07:05 train from Hillyfield to Westville, she spends 28 minutes on the train.





**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

If the 07:05 train is running 21 minutes late, what time does it arrive at Westville?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

If the 07:05 train is running 21 minutes late, it will arrive at Westville at 07:54.



**MathShed**

To be able to read timetables to extract information

## Activity 1:

### Train Timetable:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08



To be able to read timetables to extract information

## Activity 1:

Answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

- On the 06:35 train, how long does it take to get from Midford to Highstone?
- Can you travel to Midford on the 07:47 train from Hillyfield?
- Which train takes the shortest time to travel between Hillyfield and Sunnyside?
- If you are leaving from Sunnydale and need to arrive in Southside by 07:10, which is the best train for you to catch?
- Which train takes the longest time to travel between Midford and Westville?
- Ruth travels on the 07:47 train from Hillyfield to Westville, how long does she spend on the train?
- If the 06:35 train is running 17 minutes late, what time does it arrive at Westville?



To be able to read timetables to extract information

## Activity 1:

Answer the following:

	train timetable				
Hillyfield	05:55	06:35	07:05	07:47	08:12
Sunnydale	06:05		07:14	07:55	08:27
Midford	06:17	06:59	07:26		
Westville	06:25	07:05	07:33	08:18	08:51
Southside	06:33	07:14	07:43	08:29	08:59
Highstone	06:39	07:21	07:51	08:36	09:08

- a) On the 06:35 train, it takes 22 minutes to get from Midford to Highstone.
- b) No, you can't travel to Midford on the 07:47 train from Hillyfield.
- c) The 07:47 train takes the least time to travel between Hillyfield and Sunnyside.
- d) If you are leaving from Sunnydale and need to arrive in Southside by 07:10, you have to catch the 05:55 train.
- e) The 05:55 train takes the longest time to travel between Midford and Westville.
- f) If Ruth travels on the 07:47 train from Hillyfield to Westville, she spends 31 minutes travelling on the train.
- g) If the 06:35 train is running 17 minutes late, you will arrive at Westville at 07:22.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

If the time is 17:30, how long is it until the show Spelling Shed starts?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

If the time is 17:30, how long is it until the show Spelling Shed starts?

Spelling Shed starts in 90 minutes or 1 ½ hours time at 7 pm.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

Is it possible to watch all of *Maths Masters* and some of *Rare Ribs*?





**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

Is it possible to watch all of *Maths Masters* and some of *Rare Ribs*?

No: *Maths Masters* starts at 6 pm and ends at 7 pm and *Rare Ribs* starts at 6.30 pm



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

Is it possible to watch all of *Weather* and all of *Maths Masters*?



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below, to answer the following...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

Is it possible to watch all of Weather and all of Maths Masters?

Yes, if you watch Weather on EcoChannel+1.



**MathShed**

To be able to read timetables to extract information

## Activity 2:

### TV Timetable:

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed



MathShed

To be able to read timetables to extract information

## Activity 2:

Use the TV timetable to answer...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

- What time does *Charred* start?
- What time does *Hacker News* end?
- At what time must *Hikers* end on EcoChannel+1?
- If it is 19:45, how long is it until *Quizzo* starts?
- If it is 23:05, how long has it been since the show *Brûléed* ended?
- Ruth wants to watch the following: *Hacker News*, *Spelling Shed*, *Rare Ribs*, *Guess the Q!*, *Quizzo*, *Brûléed* and *Makers*. Is it possible for her to watch all of the shows from start to finish?



MathShed

To be able to read timetables to extract information

## Activity 2:

Use the TV timetable to answer...

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

- Charred starts at 7.30 pm.
- Hacker News ends at 7 pm.
- Hikers end on EcoChannel+1 at midnight / 00:00 / 24:00.
- If it is 19:45, it is 105 minutes or 1  $\frac{3}{4}$  hours until Quizzo starts.
- If it is 23:05, it has been 65 minutes or 1 h 5 m since the show Brûléed ended.
- If Ruth wants to watch the following: Hacker News, Spelling Shed, Rare Ribs, Guess the Q!, Quizzo, Brûléed and Makers, she will need to record one or two shows... For example, Spelling Shed runs for the final half hour of Rare Ribs, and Quizzo and Brûléed have the same time slot.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

There is less than an hour of Physical Education each week.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

There Is less than an hour of Physical Education each week.

False – there are 1 ½ hours of Physical Education every Friday morning.





**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

As much of the week is spent in French lessons as in Science lessons.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

As much of the week is spent in French lessons as in Science lessons.

True, altogether there are 1 ½ hours or 90 minutes of French / Science lessons.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

More time is spent studying History than DT each week.



**MathShed**

To be able to read timetables to extract information

## Talking Time:

Use the timetable below to decide whether the following statement is true or false.

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

More time is spent studying History than DT each week.

False – DT has 90 minutes of lesson time a week, History has 45 minutes.



**MathShed**

To be able to read timetables to extract information

## Activity 3:

### High School Weekly Timetable

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	



**MathShed**

To be able to read timetables to extract information

### Activity 3:

Are the following true or false?

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

- a) Class Y7AB spend the most time during their week in French lessons.
- b) English has more time devoted to it in the timetable than Mathematics.
- c) History, Geography and P.E. have 150 minutes in the timetable combined.
- d) This term, each pupil will spend 2 hours in Art lessons.



**MathShed**

To be able to read timetables to extract information

### Activity 3:

Are the following true or false?

Y7AB	Assembly (08:45 – 09:05)	Lesson 1 09:05 – 09:50	Lesson 2 09:50 – 10:35	Break (10:35 – 10:50)	Lesson 3 10:50 – 11:35	Lesson 4 11:35 – 12:20	Lunch (12:20 – 13:30)	Lesson 5 13:30 – 14:15	Lesson 6 14:15 – 15:00
Mon		Mathematics			English			French	Science
Tues		History	Geography		Mathematics			English	
Weds		Mathematics			English			DT	
Thurs		English	Maths		Computing			Science	French
Fri		Physical Education			Mathematics			English	

- a) Class Y7AB spend the most time during their week in French lessons.  
False – French has the joint second-least amount of time in the timetable.
- b) English has more time devoted to it in the timetable than Mathematics.  
False – both subjects have an allocation of 6 h 45 m or 405 minutes per week.
- c) History, Geography and P.E. have 150 minutes in the timetable combined.  
False – the three subjects have 3 hours or 180 minutes of the timetable in total.
- d) This term, each pupil will spend 2 hours in Art lessons.  
False – Art is not on the timetable for this term.

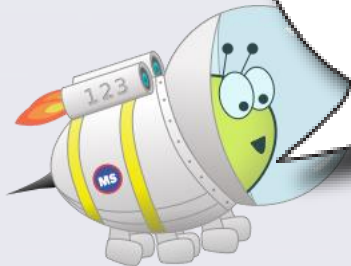


**MathShed**

To be able to read timetables to extract information

Evaluation:

I think I should catch the 20:07 train from Midford to get back home to Highstone in time to watch *Burnt Ends*.



Do you agree?

Explain your answer.

train timetable					
Hillyfield	17:55	18:35	19:05	19:47	20:12
Sunnydale	18:05		19:14	19:55	20:27
Midford	18:17	18:59	19:26	20:07	20:41
Westville	18:25	19:05	19:33	20:18	20:51
Southside	18:33	19:14	19:43	20:29	20:59
Highstone	18:39	19:21	19:51	20:36	21:08

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed



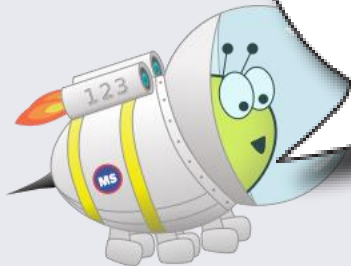


**MathShed**

To be able to read timetables to extract information

## Evaluation:

I think I should catch the 20:07 train from Midford to get back home to Highstone in time to watch *Burnt Ends*.



train timetable					
Hillyfield	17:55	18:35	19:05	19:47	20:12
Sunnydale	18:05		19:14	19:55	20:27
Midford	18:17	18:59	19:26	20:07	20:41
Westville	18:25	19:05	19:33	20:18	20:51
Southside	18:33	19:14	19:43	20:29	20:59
Highstone	18:39	19:21	19:51	20:36	21:08

EcoChannel		EcoChannel+1		Quiz Shed		BBQ Network	
6 pm	World News	6 pm	Hacker News	6 pm	Maths Masters	6 pm	Toasted Tofu
6.45 pm	Weather	7 pm	World News	7 pm	Spelling Shed	6.30 pm	Rare Ribs
7 pm	Reclaim	7.45 pm	Weather	7.30 pm	Quest	7.30 pm	Charred
8 pm	Ocean Secrets	9 pm	Reclaim	8.45 pm	Guess the Q!	8.15 pm	Burnt Ends
9.15 pm	Hikers	10 pm	Ocean Secrets	9.30 pm	Quizzo	9.30 pm	Brûléed
10 pm	Makers	11.15 pm	Hikers	10 pm	Gamers	10 pm	Flamed

If Astrobees catches the 20:07 train from Midford, the train will arrive too late in Highstone for Astrobees to watch *Burnt Ends* in full. The train arrives at 20:36, but the show starts at 20:15. Astrobees would need to catch the 19:26 or earlier train in order to get home in time to watch all of *Burnt Ends* live.



**MathShed**

To be able to read timetables to extract information

## Success criteria:

- ✓ I can read a range of timetables to extract information
- ★ ✓ I can explain my reasoning when reading a range of timetables to extract information