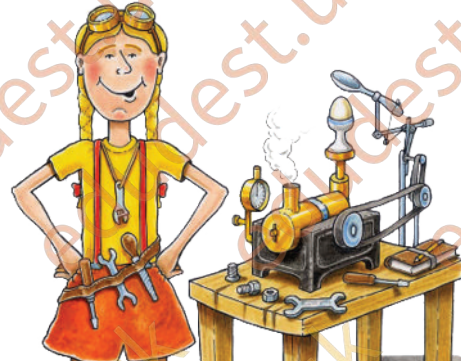


## Interpreting Data...

### ...at the Isle of Wight Steam Railway

#### STUDENT INTRODUCTION

- ▶ The Isle of Wight Steam Railway is a working railway. It shows us what the steam era of rail was like on the Isle of Wight.
- ▶ Mathematics is very important in the fields of engineering and transport. Let's apply some



## Teaching resources by Education Destination Ltd.

- ▶ The Isle of Wight Steam Railway has 3 timetables. They use a different one depending on how busy they are on the day.
- Curriculum relevant materials supporting school trips to the Isle of Wight  
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#### Task

Below you will see examples of timetables for the trains at the Isle of Wight Steam Railway. Can you work out the answers to the problems?

### Green

<b>SMALLBROOK</b>	<b>Depart</b>		11:02	12:17	13:21	15:11	16:19
<b>HAVENSTREET</b>	<b>Arrive</b>		11:14	12:29	13:31	15:23	16:30
	<b>Depart</b>	10:05	11:17	12:32	14:20	15:36	
<b>WOOTTON</b>	<b>Arrive</b>	10:10	11:23	12:38	14:25	15:32	
<b>WOOTTON</b>	<b>Depart</b>	10:18	11:31	12:46	14:33	15:40	
<b>HAVENSTREET</b>	<b>Arrive</b>	10:23	11:37	12:52	14:38	15:46	
	<b>Depart</b>	10:30	11:51	13:03	14:51	15:57	
<b>SMALLBROOK</b>	<b>Arrive</b>	10:41	12:03	13:15	15:03	16:07	

#### Green Timetable

1. How many trains depart from Smallbrook station each day?
2. How many trains arrive at Smallbrook station each day?
3. What is the earliest departure time?
4. What is the latest departure time and from which station is this?
5. How many times in the day does the train depart from and arrive at Havenstreet?



## Blue

### Blue Timetable

1. What station does the last train of the day depart from?
2. How many trains depart and arrive at Smallbrook in total over the course of the day?
3. If you arrive at Smallbrook station at 13:15, how long will you have to look around the station before the train's departure back to Havenstreet?

<b>SMALLBROOK</b>	<b>Depart</b>		11:02	12:17	13:21	15:11	16:19	
<b>HAVENSTREET</b>	<b>Arrive</b>		11:14	12:29	13:31	15:23	16:30	
	<b>Depart</b>	10:05	11:17	12:32	14:20	15:26	16:32	
<b>WOOTTON</b>	<b>Arrive</b>	10:10	11:23	12:38	14:25	15:32	16:37	
<b>WOOTTON</b>	<b>Depart</b>	10:18	11:31	12:46	14:33	15:40	16:45	
<b>HAVENSTREET</b>	<b>Arrive</b>	10:23	11:37	12:52	14:38	15:46	16:50	
	<b>Depart</b>	10:30	11:51	13:03	14:51	15:57		

## Teaching resources by Education Destination Ltd.

Curriculum relevant materials supporting school trips to the Isle of Wight

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1. If you leave Smallbrook station on the 12:39 train, what will be your next stop, and at what time will you arrive there?
2. What train would you need to get from Havenstreet if you wanted to get to Wootton by 16:00?
3. How many minutes does the journey from Wootton to Havenstreet take if you catch the 15:07 train?
4. You get the 14:02 train from Smallbrook to Wootton. How many minutes is the train actually moving?

## Red

<b>SMALLBROOK</b>	<b>Depart</b>		11:02	11:38	12:13	12:59	14:02	14:38	15:11	15:46
<b>HAVENSTREET</b>	<b>Arrive</b>		11:14	11:50	12:25		14:14	14:50	15:23	16:30
	<b>Depart</b>	10:05	11:17	11:53	12:28		14:17	14:53	15:26	16:32
<b>WOOTTON</b>	<b>Arrive</b>	10:10	11:23	11:59	12:34	13:16	14:23	14:59	15:32	16:37
<b>WOOTTON</b>	<b>Depart</b>	10:18	11:31	12:07	12:42	13:24	14:31	15:07	15:40	16:45
<b>HAVENSTREET</b>	<b>Arrive</b>	10:23	11:37	12:13	12:47	13:29	14:37	15:13	15:46	16:50
	<b>Depart</b>	10:30	11:51	12:30	13:37	14:18	14:51	15:26	15:56	
<b>SMALLBROOK</b>	<b>Arrive</b>	10:41	12:03	12:42	13:47	14:28	15:03	15:38	16:07	16:19

**Basil says:**

"Reading timetables is a skill you can use throughout your whole life. Knowing how to do it will certainly come in handy!"

