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Solving mathematical problems

Challenge

Timetables 6

Birmingham International	07:24	09:27	11:23	13:23	14:23	15:24	16:24	17:26	18:41	19:22
Coventry	07:56	09:58	11:55	13:55	14:55	15:56	16:56	17:56	19:16	19:56
Leamington		10:09		14:06		16:07		18:06		20:06
Oxford	08:41	10:42	12:39	14:39	15:39	16:40	17:40	18:41	20:01	20:41
Reading	08:53	10:55	12:53	14:53	15:53	16:53	17:53	18:54	20:14	20:54
Basingstoke	08:58		12:58		15:58		17:58		20:19	
Southampton Airport	09:07	11:08	13:06	15:06	16:06	17:06	18:06	19:09	20:28	21:10
Southampton Central	09:38	11:39	13:37	15:37	16:37	17:37	18:34	19:36	20:56	21:41
Bournemouth	10:19	12:27	14:17	16:08	17:10	18:12	19:15	20:19	21:31	22:29

This is part of the train timetable for Birmingham International to Bournemouth for Monday to Friday.

When is the fastest train?

When is the slowest train?

To the nearest 5 minutes, approximately how long does the average trip take?

Which two consecutive stations are the furthest apart? Why do you think this?

Look at the timetable above and write five different statements.

Think about ...

Write statements about the times different trains take between Birmingham International and Bournemouth, as well as comparing the different train stops between Birmingham International and Bournemouth.



Some of your observations should be based on time differences.

What if?

Birmingham International	07:29	09:29	11:29	13:29	15:29	17:29	19:29
Coventry	08:01	10:00	12:00	14:00	16:00	18:00	19:59
Leamington	08:13	10:13	12:13	14:13	16:13	18:13	20:11
Oxford	08:46	10:48	12:48	14:48	16:48	18:48	20:53
Reading	08:59	11:01	13:01	15:01	17:01	19:05	21:13
Basingstoke	09:08	11:08	13:08	15:08	17:08	19:12	21:20
Southampton Airport	09:14	11:15	13:15	15:15	17:15	19:19	21:30
Southampton Central	09:47	11:47	13:47	15:47	17:47	19:51	21:57
Bournemouth	10:24	12:21	14:19	16:28	18:21	20:23	22:45

This is part of the train timetable for Birmingham International to Bournemouth for Saturday, Sunday and Public Holidays.

Look at the timetable above and write five different statements.

Make statements comparing the two timetables.

When you've finished, turn to page 80.

