

#### **TL 4: The issue of independent thinking**

This Case presents pupils with the opportunity to develop their independent thinking. They are given a range of information is provided and an overall aim, but have a considerable amount of freedom in (a) selecting which data to use, and (b) deciding how to use this data to answer the question.

In encouraging, responding to and managing this aspect of the case, it is important to avoid any suggestion of the *'I have the answer, see if you can find it'* approach that at times characterises mathematics learning. This is important when introducing the Case, and is particularly crucial when modeling a basic comparison with the 800 m data. This aim of this is to raise the notion of an unfair comparison and time should be allowed for pupils to comment on, criticise and consider alternatives to the approach shown.