



Using statistics

- Applying your knowledge of statistics to solve problems

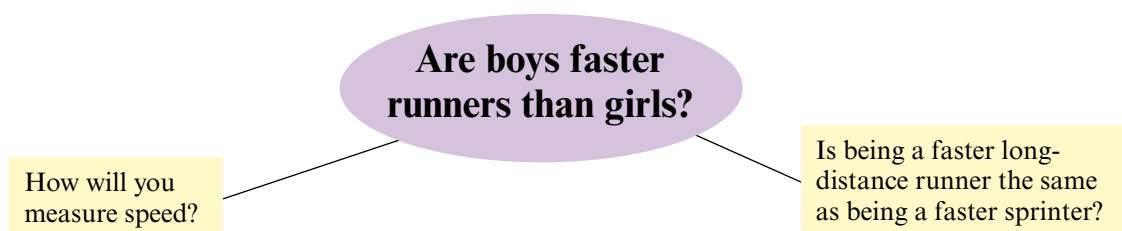
Keywords

You should know

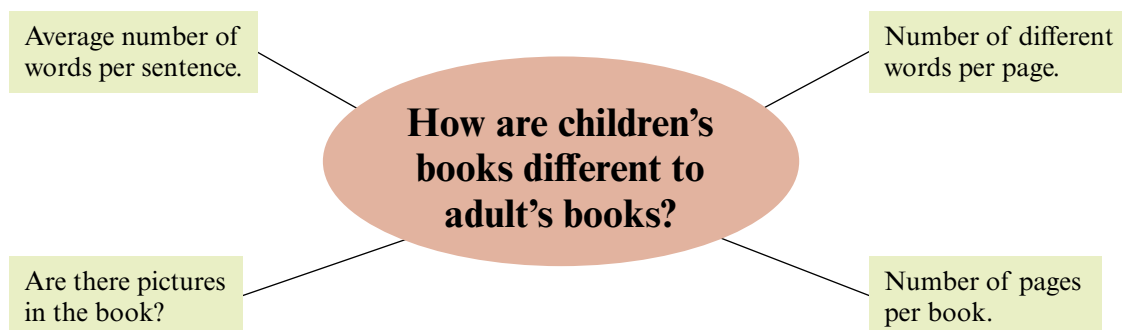
explanation 1a

explanation 1b

This is an example of a simple question to investigate, although there are other things you have to consider before you can begin the investigation.



An example of a more complicated question is shown below. There are lots of different things you can investigate to answer this question. A sample of these smaller investigations is shown here.



- 1 Choose a question to investigate. You could investigate one of the examples above or find an example of your own.
Can you answer your question with a single investigation or does it have lots of smaller questions to answer?

explanation 2a

explanation 2b

2 What sort of data can you collect for your question?

Will you use primary data or secondary data? You might need to use more than one sort of data to answer your question.

Primary data

Secondary data

3 How will you collect the data you need to answer each of your questions?

Books?

Questionnaire?

Experiment?

Internet?

Survey?

explanation 3

4 How will you organise and present your data?

Tables?

Grouped data?

Charts and graphs?

explanation 4

5 Use your knowledge of statistics to interpret the data.

You might need to calculate the following.

Mean

Median

Mode

Range

6 Interpret your results. Have you answered your original question?**7** Display your work.