Planner

Interpreting data

- Interpreting different types of graph and chart
- Giving reasons to justify your answers
- Deciding whether a graph displays its data clearly

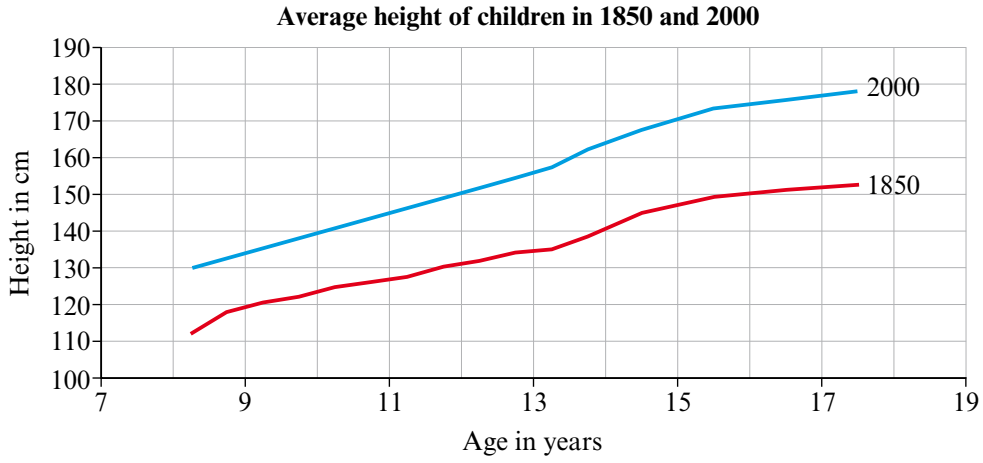
Keywords

You should know

explanation 1

online

1 This line graph compares the average height of children in 1850 and 2000.



a What does this graph tell you about children's heights in 1850 compared to those in 2000?

b Why do you think children were taller in 2000 than they were in 1850?

c Approximately how tall was a 13 year old in 1850?

d Approximately how tall was a 13 year old in 2000?

e What is the difference between these two heights?

2 This pictogram shows the top goal scorers of a football season.

a Who scored the most goals?

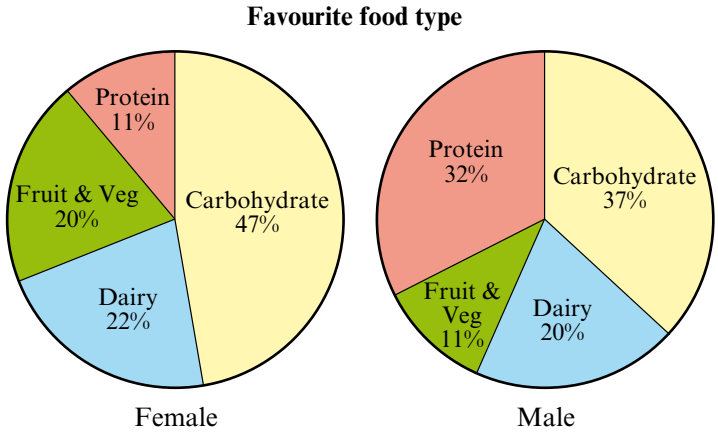
b Who scored the least goals?

c How many more goals did Mike Field score than Pete Lightfoot?

d Who scored less than 10 goals?

e How many goals were scored in total?

3 These two pie charts show the favourite food type of 22 500 young people in the UK between 2005 and 2006.



a What kind of food did most girls like best?

b What kind of food did fewest boys like?

c What percentage of girls liked dairy?

d How much greater was the percentage of girls than boys who preferred fruit & vegetables?

e What fraction of boys liked diary?

f Who do you think had the healthier diet? Give a reason for your answer.

4 In 2000 some pupils were asked to choose their favourite way of communicating with their friends. The bar chart shows the results.

a Was text messaging more popular with girls or boys?

b Which method of communication did girls like best?

c Which method of communication did boys like best?

d Approximately what percentage of girls preferred to talk to their friends directly?

e Did pupils prefer to use a land line or a mobile?

f What do you think might be included in 'other'?