

# It's on the Cards

**You need**

- ★ a copy of the data cards (see copymaster)
- ★ classmates
- ★ a computer spreadsheet/graphing program (optional)

## Activity

Nina's class wrote their gender and the answers to these three questions on data cards:

- What is your favourite spare-time activity?
- What time did you go to bed last night?
- What do you want for Christmas?

Then they thought of some other questions that they could answer using the information on their data cards:

- What are typical spare-time activities for the students in our class?
- Do the readers in our class go to bed later than those who prefer other activities?
- Do boys' spare-time activities tend to be different from those of girls?



1. Make up two more questions that you could explore using the data cards from Nina's class. Start your questions with "I wonder ..."
2. With a classmate, choose two questions that you'd like to explore using the data cards. For each question:
  - i. Sort the data cards according to the data you want to use.
  - ii. Choose a type of graph that will help you make sense of the data.
  - iii. Create the graph, using a computer program if available.
  - iv. Discuss what the graph tells you. Can you now answer your question?
3. Plan a data-gathering task that involves the members of your class. Brainstorm questions you'd like to answer and then think about the data you will need to gather.

**Focus**

Planning and conducting a survey using data cards