

# Thirsty Dancers

**You need** ★ a classmate

**TECHNOLOGY** When meeting a need, it's important to consider what people like as well as what's good for them.

## Activity

Charlotte's teacher asks her to organise the drinks for year 5's end-of-year social.

1. Charlotte surveys 120 students to find out which of five drinks they prefer. She makes a tally chart of the results, but when she gets home, her dog chews the chart up!

**Survey for Social**  
Which drink are you most likely to want at the social?

- Lemonade
- Cola
- Fruit punch
- Iced water
- Chocolate milk

Luckily, I remember that the tally for lemonade and cola was the same and that a quarter of the students chose fruit punch!

The illustration shows a girl named Charlotte in a green sweater and dark skirt standing in her room. She is holding a piece of paper. A dog is jumping towards her, and a chair is overturned on the floor. A window with blue curtains is in the background.

- a. How many students chose fruit punch?
  - b. If 40 students chose iced water or chocolate milk, how many chose cola?
  - c. If 5 students chose iced water, how many chose chocolate milk?
2. Discuss with a classmate:
    - a. If all 120 students attend the social, how many drinks should Charlotte provide?
    - b. Charlotte decides to provide extra iced water. Why?

**Focus**

Using problem-solving strategies