

Television Times

You need ★ classmates



Activity One

Ngaio and Maaka noticed that there were a lot of tired-looking students in their class at school on Thursday morning.

They wondered if their classmates had been watching too much TV, so they asked them how much time they had spent watching TV the day before. Then they organised their data as a stem-and-leaf graph, including their own TV-watching time:

Time Spent Watching TV on Wednesday by Room 4 Students

Hours	Minutes
0	00 15 30 30 30 45 45
1	00 00 15 15 30 30 30 30 30 45 45 45
2	00 00 10 15 15 30 30 30 45 45
3	30



1. How many students are in Ngaio and Maaka's class?
2. Ryan watched the most TV on Wednesday and Bridie the least.
 - a. How much time did Ryan and Bridie each spend watching TV?
 - b. Suggest three reasons for the data on Bridie.



3. Based on their data, which of these statements by Ngaio and Maaka are true? Give reasons.

- i. "Most students in the class watched more than 1 hour of TV on Wednesday."
- ii. "Everyone in the class watches a lot of TV."
- iii. "Many students watched TV for 30 minutes."
- iv. "Most students watched between $1\frac{1}{2}$ and $2\frac{1}{2}$ hours of TV on Wednesday."
- v. "Only 1 student watched more than 3 hours of TV on Wednesday."
- vi. "Almost all students watched some TV yesterday."
- vii. "Two students watched 200 minutes of TV yesterday."



4. Discuss with a classmate why Ngaio and Maaka's data may not be very accurate.

Activity Two

1. As a class, gather data about how much TV the students in your class watched yesterday. Organise the data, using a stem-and-leaf graph.
2. What does the data tell you?
3. a. Now write four questions about your classmates' viewing habits that you could investigate.
b. Pick one of your questions and describe to a classmate what data you would need to answer it.

Focus

Exploring an issue and evaluating the findings