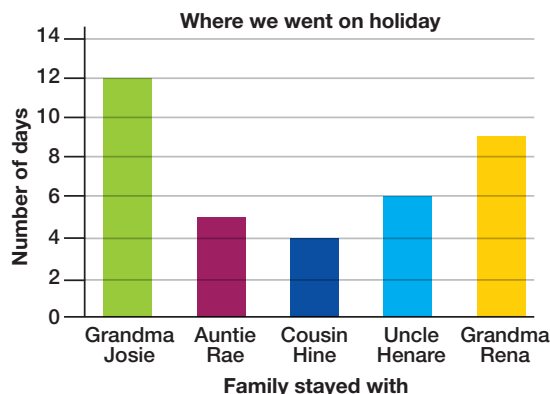


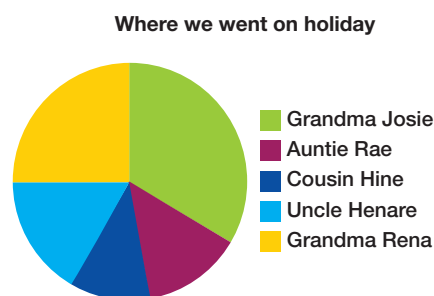
3 MORE GRAPH PRACTICE

- 1 Awa and her brother Leni spent the summer holidays visiting their relatives. They each drew a different graph to show how many days they spent with each family member.

Awa's graph

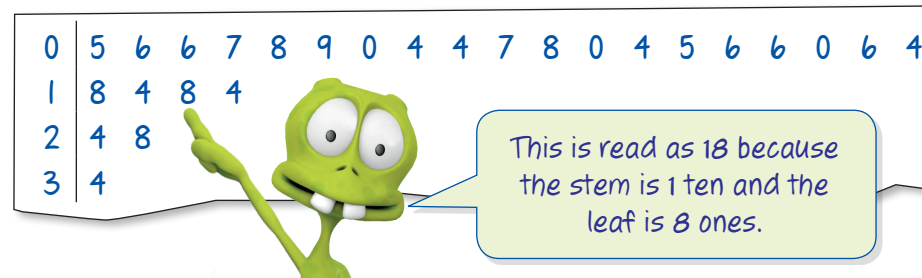


Leni's graph



- a For each of these questions give the answer and say which graph you used and why.
- With which relative did they spend the largest proportion of their time?
 - How many more days did they spend altogether with Grandma Rena than Cousin Hine?
 - Where did they spend twice as long as they did at Uncle Henare's?
- b Write another question that could only be answered using **one** of the graphs.

- 2 Maia's parents said her mobile phone rang too many times in the weekend. She did a survey to find out how many times her friends' phones rang one Saturday. She collected her results on this stem and leaf graph.



- Redraw the stem and leaf graph with the data values in order.
- What is the most common number of times that a phone rang?
- How many students' phones rang more than 15 times?
- What would be reasonable numbers to put into this sentence?

Most people's phones rang between _____ and _____ times.

Say why you chose the numbers you did.

e

My phone rang 15 times. The smallest number of times was 0 and the greatest was 34. The number of times mine rang is about in the middle.

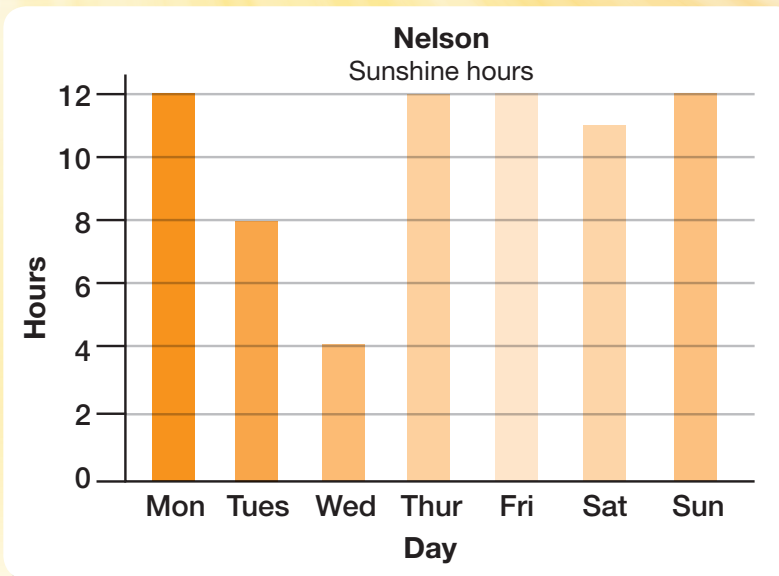
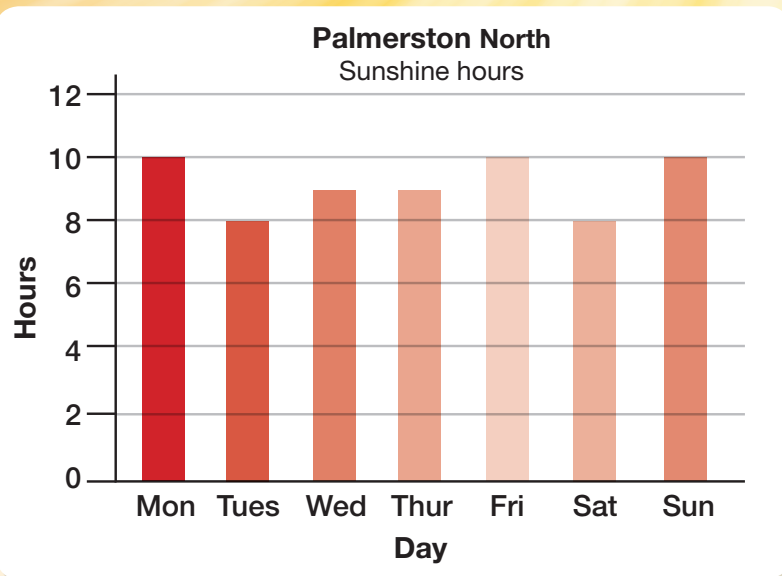


Maia

Is Maia's statement reasonable?
Explain why you think this.

3 MORE GRAPH PRACTICE

3 These graphs show the number of hours of sunshine over one week in two cities.



a How many more sunshine hours did Nelson have than Palmerston North on Monday?

b Which days had the greatest sunshine hours in Palmerston North?

c Which city had the highest total sunshine hours this week? By how much?

d Can you tell easily from these graphs which city had the greater fraction of the week's sunshine hours in the weekend?

e Which city would you have rather been in during this week? Say why.

f The scale on both graphs is the same.
How does this help you compare the graphs?

Use subtraction strategies.

