

# Logging On

- You need**
- ★ access to the Internet
  - ★ a computer spreadsheet/graphing program (optional)
  - ★ a classmate

## Activity One

Riku has just found an Internet site called ScrollNZ, which helps people find information and links to common interests.



*Over 15 000 people are logged on at the moment. That's a lot. This site must be popular!*



Tuesday	
Time	Users
6 a.m.	232
7 a.m.	387
8 a.m.	15739
9 a.m.	5864
10 a.m.	4598
11 a.m.	3230
12 p.m.	7574
1 p.m.	6598
2 p.m.	3109
3 p.m.	2545
4 p.m.	15652
5 p.m.	15599
6 p.m.	14954
7 p.m.	14523
8 p.m.	17561
9 p.m.	19505
10 p.m.	18002
11 p.m.	18543
12 a.m.	16877
1 a.m.	14528
2 a.m.	10520
3 a.m.	2812
4 a.m.	533
5 a.m.	204

1. Riku finds a page on the ScrollNZ site that shows the number of users logged on hourly over the previous 7 days.

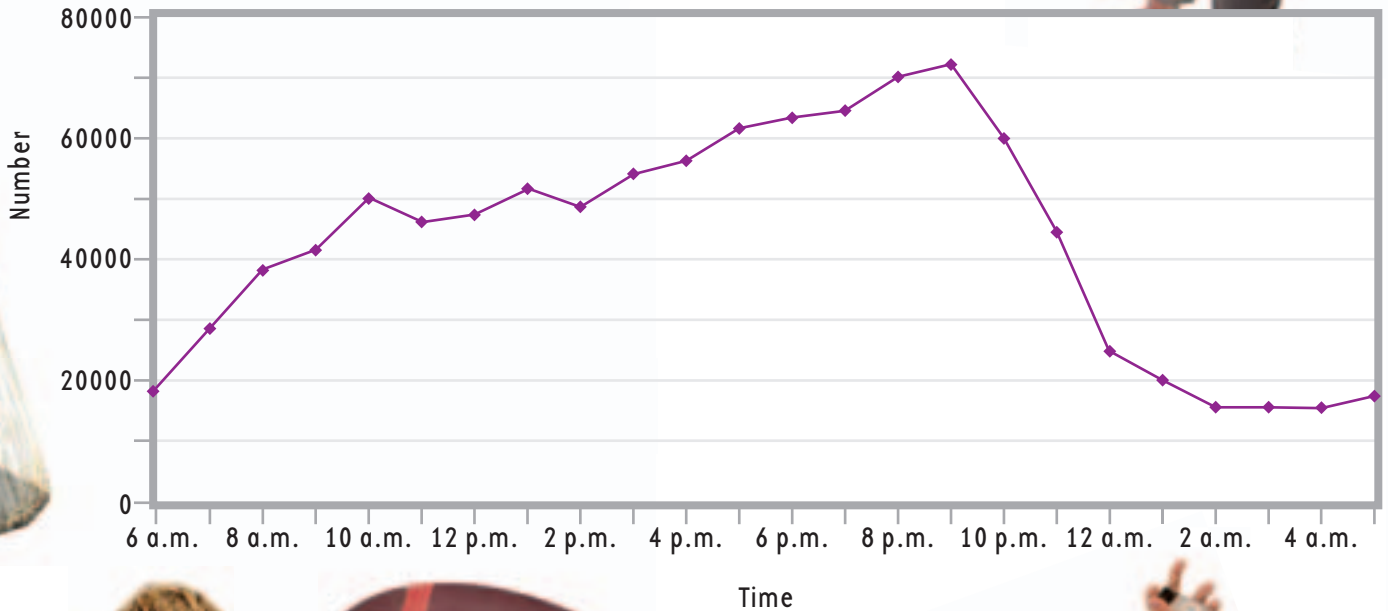
Create a time-series graph (see the example in Activity Two) to display Tuesday's data.

2.
  - a. What are the key features of your graph?
  - b. What are possible reasons for these features?

## Activity Two

Here is a time-series graph that shows the number of users on the same day for another website, U-MeSwap, which is an Internet auction site.

**Number of Users of U-MeSwap over a 24-hour Period**



1. a. What are the features of this graph?  
b. What are possible reasons for these features?
2. a. Compare this graph with the one you drew in Activity One. Write down any similarities and differences and discuss them with a classmate.  
b. What might be some of the reasons for the differences between the ScrollNZ and U-MeSwap graphs?

**Focus**

Analysing and comparing time-series graphs