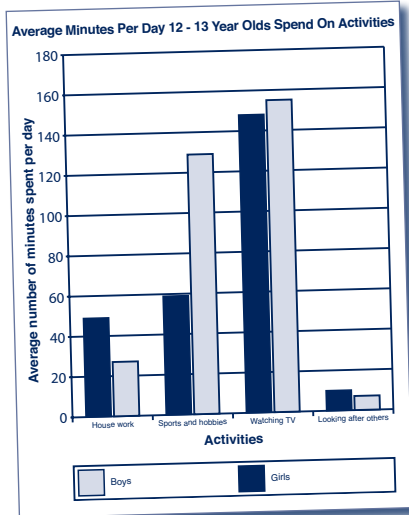


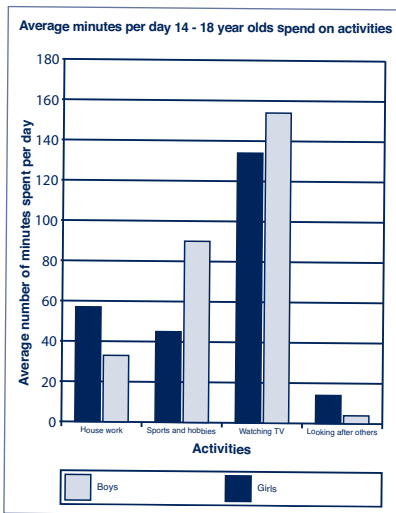
Approach: One to one
 Focus: Interpreting bar graphs
 Resources: 2 graphs (A, B)

Year: 8

Questions / instructions:



A



B

Here are two graphs. They show how much time New Zealand teenagers spend on different activities.

Hand out graph A.

This graph shows how long each day 12 to 13 year olds spend on different activities. The bars show girls and boys on different activities.

- Which activity has the biggest time difference between boys and girls?

sports and hobbies

Place graph B beside graph A.

This graph shows how long each day older girls and boys, aged 14 to 18, spend on different activities.

- Which activity do boys spend a lot less time doing as they get older?

sports and hobbies

- How does the time boys and girls spend looking after others change as they get older?

girls spend **more** time/bar goes higher
 boys spend **less** time/bar goes lower

Total score: 4
 3
 2
 1
 0

% response
 2007 ('03)
 year 8

83 (79)

46 (41)

69 (67)

68 (67)

37 (31)

26 (27)

14 (17)

14 (13)

9 (11)

Subgroup Analyses:

Year 8

Score Range	Boys	Girls	Pakeha	Māori	Pasifika
4	36 %	39 %	43 %	22 %	14 %
3	28 %	23 %	29 %	15 %	25 %
2	13 %	15 %	12 %	21 %	14 %
1	12 %	16 %	13 %	20 %	4 %
0	11 %	7 %	3 %	22 %	43 %

Commentary:

Most year 8 students were able to extract basic information from a bar chart, but many had some difficulty when required to interpret a trend. There was little change from 2003 to 2007. Almost half of the Pasifika students had no success with this task.