

## Family Pictures

**Approach:** Stations

**Level:** Year 8 & Year 4

**Resources:** Text and graph

### Questions/Instructions

The teacher asked the class to draw pictures of their families. Some drew stick figures, some drew only heads, some drew cartoon figures, and some drew life like sketches. The teacher put the pictures in piles and made this chart.



1. Which pile of pictures was the largest?
  
2. 5 children drew heads only.  
How many children drew stick figures?

### STUDENT RESPONSES

|                 | % answering correctly |        |
|-----------------|-----------------------|--------|
|                 | Year 8                | Year 4 |
| cartoon figures | 97                    | 90     |
| 5               | 69                    | 28     |

### Commentary

Question 2 required students to identify that the two relevant sectors were the same size, so that the number of drawings was the same for these two sectors. Year 4 students were much less able to do this than year 8 students.