



AUSTRALIAN RESEARCH COUNCIL CENTRE OF EXCELLENCE FOR
MATHEMATICAL AND STATISTICAL FRONTIERS

HUMAN GRAPHS

MAKE A HUMAN BAR GRAPH

MATHS:

- Children learn to order data into histograms, interpret patterns that emerge and formulate predictions based on mathematical probabilities.

NEEDED:

- Paper and pens

RULES:

- Make labels to place at the end of each row of the grid. Then everyone stands on a square in the row they correspond to, to form a human histogram (bar graph) of data.
- Possible labels:
 - Eye/hair colour
 - Favourite sport/hobby/food
 - Number of siblings
 - Number of letters in your first name

VARIATIONS:

- What is the most common of each quality? What is the rarest? What is the variation (biggest number minus smallest number)? Do these vary between grades?
- Based on what you've done, try to predict what will be the most common/rarest hair colour (or eye colour, etc.) in a different class. Then get that class to form a human histogram and see if you were right.