

# Are they related?

## *Scatter Diagram of Height and Arm Length Task*

### Task

1. Go around your class and measure the height and arm length of ten people. Measure to the nearest cm. Record your results in the table below.

Height (cm)										
Arm Length (cm)										

2. Plot a scatter graph of Height vs Arm Length on graph paper.

3. Can you make a general statement about the pattern of the data?

4. Could you use the graph to suggest an approximate height for someone whose arm length is 60cm? Explain your answer.

5. Could you use the graph to suggest an approximate arm length for someone whose height is 163cm? Explain your answer.

6. Are height and arm length related? Explain your answer.