

# Maths Investigations



## Overview

- Three ideas for class investigations, all suitable for mixed ability groups (E3 – L2).
- Covers skills in all three areas of the adult numeracy curriculum (number, measure and data).
- Encompasses all learning styles – particularly kinaesthetic and visual.

## Main curriculum links

- **N1/E3.2** Add and subtract using 3 digit whole numbers.
- **MSS1/E3.5** Read, estimate, measure and compare length using non-standard and standard units.
- **HD1/E3.4** Organise and represent information in different ways so that it makes sense to others.
- **HD1/L1.1** Extract and interpret information (e.g. in tables, diagrams, charts and line graphs).
- **HD1/L1.2** Collect, organise and represent discrete data in tables, charts, diagrams, line graphs
- **HD1/L1.3** Find the arithmetical average (mean) for a set of data.
- **HD1/L2.2** Collect, organise and represent discrete and continuous data in tables, charts, diagrams, line graphs

## Instructions and teaching ideas

- Collect data as a class and then split into small groups, each group working on a different set of data or a different method of presentation.
- Create graphs as a class - using huge sheets of squared paper.

# Maths Investigation

Read this statement:

- Your height is the same as the length of your arms outstretched.

Investigate the statement.

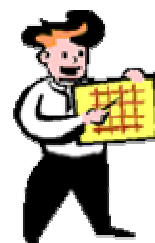
Is it true for you? For others in the class?

What do you have to do to find out?

Write an introduction explaining what you are doing and why.

Record and present your findings in a table, graph and/or chart.

Write a conclusion explaining what you found out.



# Maths Investigation

Read this statement:

- The total length of all your fingers is equal to the length of one of your arms from your shoulder to the end of your fingers.

Investigate the statement.

Is it true for you? For others in the class?

What do you have to do to find out?

Write an introduction explaining what you are doing and why.

Record and present your findings in a table, graph and/or chart.

Write a conclusion explaining what you found out.



# Maths Investigation

Read this statement:

- **The distance round your head is the same length as the length of your arm from your shoulder to your wrist.**

Investigate the statement.

Is it true for you? For others in the class?

What do you have to do to find out?

Write an introduction explaining what you are doing and why.

Record and present your findings in a table, graph and/or chart.

Write a conclusion explaining what you found out.

