



## Pie Charts



**Description:** Interpreting and drawing pie charts.

**Numeracy Strategy reference:**

Pupils should be taught to solve a problem by collecting, organizing, representing, extracting and interpreting data in tables, graphs and charts.

**Task analysis:**

Pupils are required to:

- Interpret existing pie charts
- Answer questions using pie charts
- Create their own pie charts to analyse data.

**Learning Objectives:**

Pupils should begin to draw and interpret simple pie charts.

**Suggested activities:**

**Oral work and mental calculation:**

Develop a percentage fact spider using the demonstration sheet provided.

**Teaching activity:**

Using on OHP or whiteboard draw a pie chart showing flood costs in London. Discuss how the chart shows the costs of flood damage in segments and ask the children to estimate cost of each segment against the total.

Using the printable activity sheet, individually or in groups, pupils should look at other pie charts relating to flood damage and answer questions involving use of percentages.

**Plenary:**

Discuss group findings as a class.

**Resources:**

Flood damage pie chart printable activity sheets. Excel spreadsheet.

**Learning outcomes:**

Children will be able to interpret pie charts and be able to understand that segments relate to percentages.

**Extension activities:**

Using the provided worksheet and Excel spreadsheets, pupils work individually and in pairs to interpret the population age group pie chart and answer questions. They determine the appropriate use of pie charts, create the charts as identified and demonstrate their usefulness.