

Description:

Pupils create Venn diagrams in order to classify data by one criteria.

Numeracy Strategy reference:

Year 3
Handling data
Organising and using data
pg92

Task analysis:

Pupils are required to:

- Sort objects to complete Venn diagrams
- Create Venn diagrams

Learning Objectives:

Pupils should be taught to solve a problem by collecting, sorting and organizing information in simple ways.

Suggested activities:**Oral work and mental calculation:**

Using 2-D shape templates investigate the names and properties of each shape:- number of faces, sides, right angles, vertices and lines of symmetry.

Teaching activity:

Using an OHP introduce classification by Venn diagram according to one criterion, using the properties of shapes or have/have not a least one line of symmetry.

Introduce the Council Depot Flood activity. Discuss as a class the Venn Diagram using two criteria, shapes with right angles and shapes with 3 sides or more. Look at the first sign that is the shape of a triangle. Discuss into which area of the diagram it needs to be placed.

In their groups, ask the children to go on to drag and drop all the different shaped signs into the correct spaces. Ask the children to print out their completed Venn diagrams.

Plenary:

Children to bring their own Venn diagrams back to the whole class session and explain their results.

Resources:

Flash Venn diagram program. Venn diagram printable activity sheets.

Learning outcomes:

Pupils should be able to:

- Create Venn diagrams to solve a problem.

Extension activities:

Using the template worksheet and the images of 2-D shapes, children should individually or in groups draw in the shapes to create their own Venn diagrams using the right angle/no right angle and no symmetry/line of symmetry criteria.