



Unit: 2.4 Questioning

Key Learning

- To learn about data handling tools that can give more information than pictograms.
- To use yes/no questions to separate information.
- To construct a binary tree to identify items.
- To use 2Question (a binary tree database) to answer questions.
- To use a database to answer more complex search questions.
- To use the Search tool to find information.

Key Resources



2Count



2Investigate



2Question

Key Vocabulary

Binary Tree

A simple way of sorting information into two categories.

Data

A collection of information, used to help answer questions.

Database

A computerised system that makes it easy to search, select and store information.

Field

A single piece of data in a database which makes up a record.

Pictogram

A diagram that uses pictures to represent data.

Question

A sentence written or spoken to find information.

Record

An item in a database with a variety of information about a specific entry.

Search

Looking for specific information. On a database, you can use the 'Find' tool.

Sort

Put things together by features they have in common.



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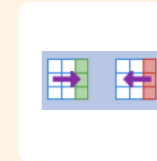
Key Images



Open, close or share information



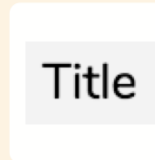
Enter data into a pictogram



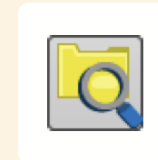
Add or delete columns in a pictogram



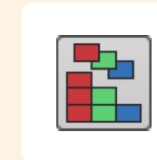
Add a question to sort the information in a binary tree



Give a name to the binary tree



Find information in a database



Sort, group and arrange information in a database

Key Questions

How does a Pictogram show information?

On a pictogram, data is represented by pictures. Pictograms are set out in the same way as bar charts, but instead of bars they use columns of pictures to show the numbers involved.

How is information organised in a binary tree?

On a binary tree information is organised through a series of questions that can only be answered 'yes' or 'no'. Eventually only one item is left in the category which forms the end of a branch of the binary tree.

How can a database help organise information?

A database is a way of storing information in such a way that it can easily be searched. Databases are designed to hold lots of information that would be difficult to search without using a computer.