

## 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



#### Key Vocabulary

##### Pictogram

A diagram that uses pictures to represent data.

##### Collate

Collect and combine (texts, information, or data).

##### Avatar

An icon or figure representing a person in a video game, Internet forum or other online format.

##### Question

A sentence written or spoken to find information.

##### Binary Tree

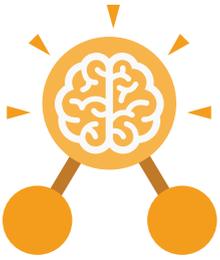
A simple way of sorting information into two categories.

##### Database

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

##### Data

Facts and statistics collected together that can provide information.



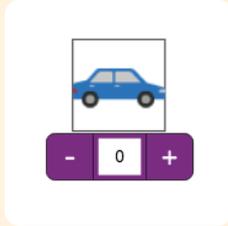
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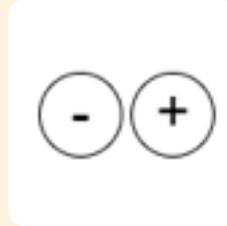
#### Key Images



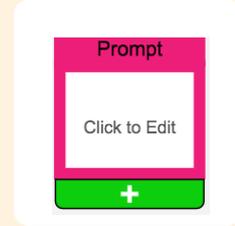
Open, close or share information



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.