



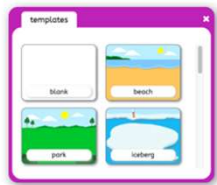
COMPUTING

How to create a branching database

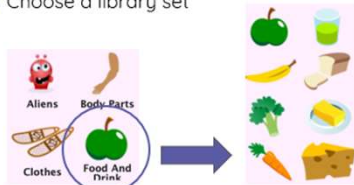
What is a Branching Database?

A branching database is an identification tool. It helps us to find the correct object by using key words and questions. They are used in schools, shops and many businesses where they want to find something but do not know the name.

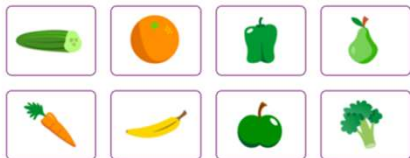
1 Select a template



2 Choose a library set



3 Choose 6-8 objects to sort



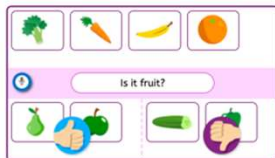
4 Click on sort



5 Add questions to sort objects, e.g.

Is it fruit?

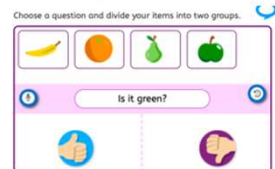
6 Drag all objects into the yes or no boxes



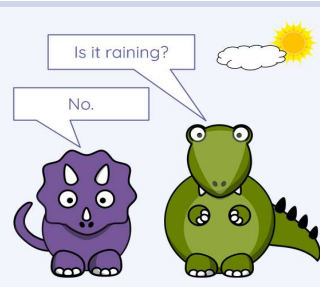
7 Click on ok

ok

8 Add another question to sort again



What is a closed Question?



Closed questions are those that just require a yes or no answer.

They often start with these words
is it can it
does it has it got

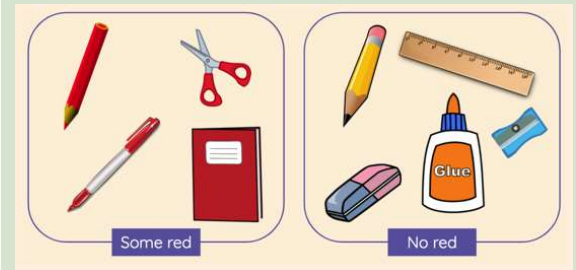
What are Attributes?

Attributes are the properties of the objects you are sorting.

Every object will have a range of attributes which make it what it is. They can be the object's colour, size, material, number of legs or wheels

We can choose one or more of these attributes to help us sort or identify the objects.

Attribute = red



Asking the right Questions



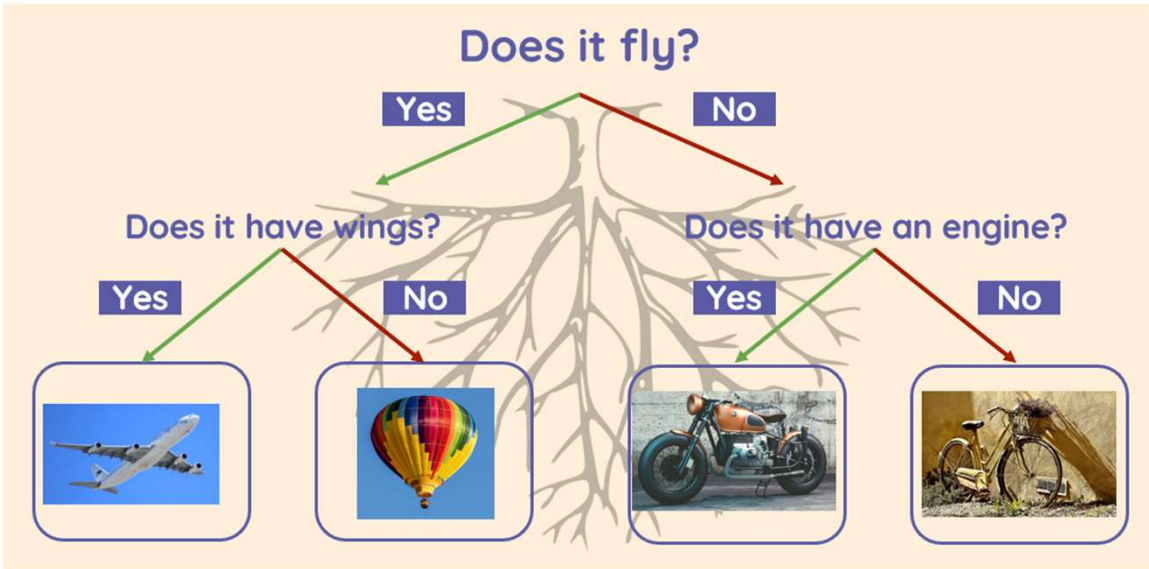
To sort objects quickly we need to choose an attribute that creates 2 equal groups.

When you play Guess Who you need to identify the person quickly-
You may ask...

- Is it a boy?
- Do they wear glasses?
- Do they have brown hair?

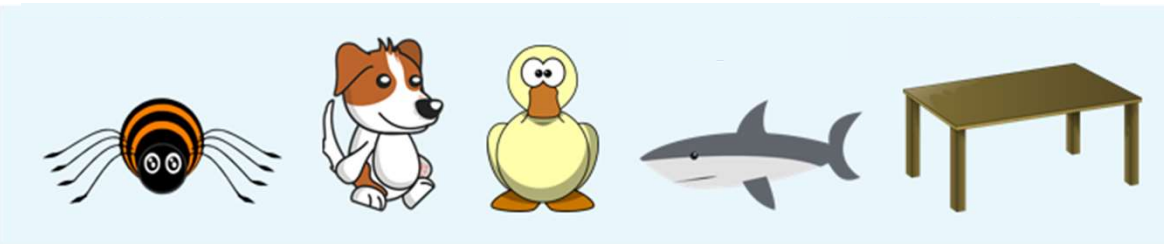
If your question only identifies one person, it will take longer to win

Has she got pink hair?



Key Vocabulary	
Database	An organised collection of information, data or items
Branching database	A tool used to classify groups of objects. It is to help identify objects by answering questions with either 'yes' or 'no'.
Attributes	A property of an object or person
Identification tool	A program used to help you with decision making
Collection	A group of objects gathered for study or databases
Property	The qualities which a material possesses. For example, an object may be stripy or soft or tall
Software	A program or instructions that tells the hardware (device) what to do
Program	A series of instructions given to a computer so that it can carry out a certain action
System	A system is a group of related things that work together as a whole

A branching database is a collection of data organised in a tree structure using yes/no or true/false questions. In computer science, these are known as binary trees..



Items in the database can be separated by **attributes**. An attribute is a way of describing things, such as colour, diet, habitat, size, pattern or number of legs.

So a question you could ask is, 'Does it have 4 legs?'

Ensure you are organising the objects by their attributes accurately.

Purple Mash
2branch



Do the questions focus on the correct attributes?

Have the objects been organised into the correct groups?

J2e Branch

