

Lesson 1: Yes or no questions

Year 3 – Data and information – Branching databases

Lesson 1: Yes or no questions

To create questions with yes/no answers

- I can investigate questions with yes/no answers
- I can make up a yes/no question about a collection of objects
- I can create two groups of objects separated by one attribute

Different questions

When do you eat breakfast?

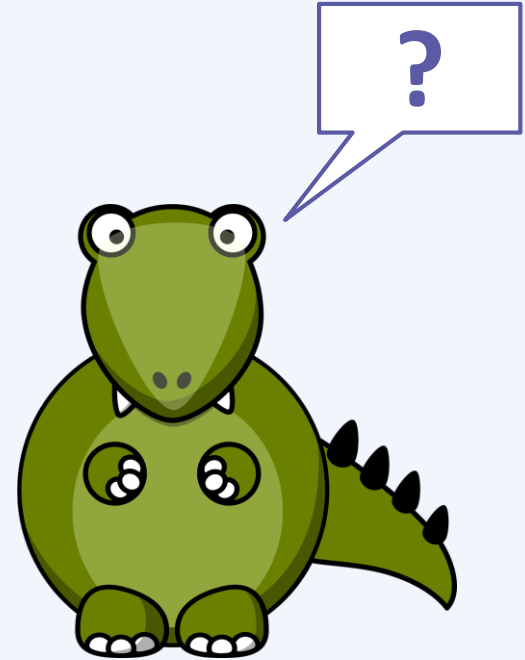
How do you get to school each morning?

Is it raining?

What is your favourite food?

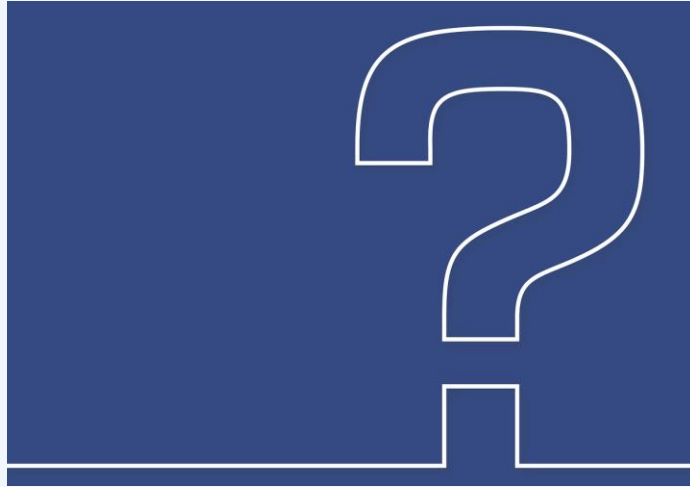
Is a parrot a bird?

Are the walls in the classroom pink?



Different questions

Think, pair, share: What is different about the answers you gave?



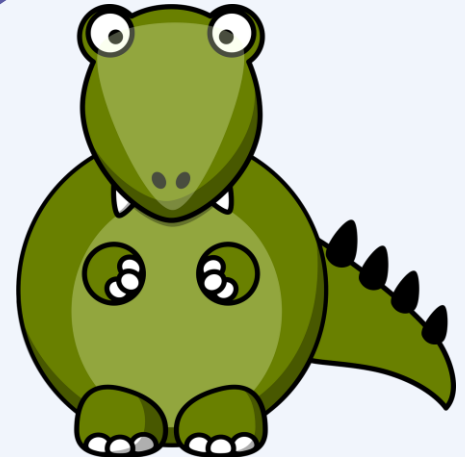
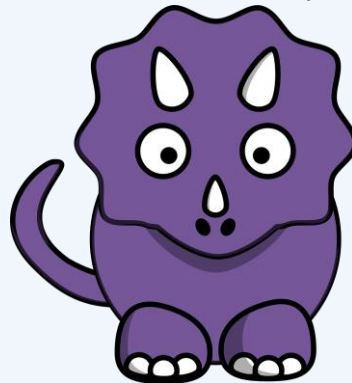
Questions can need different types of answers.

Open-ended questions

Some answers are open-ended. You can give an opinion or add more detail.

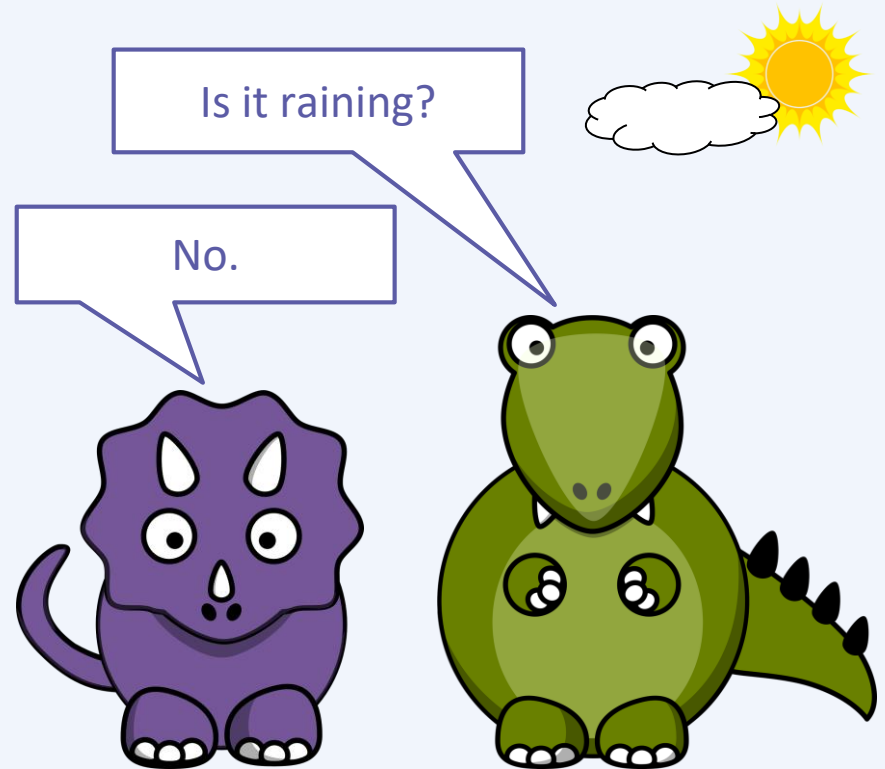
What is your favourite food?

I really like salad with lots of leaves.



Yes or no questions

Other answers are factual and can only be answered yes or no.

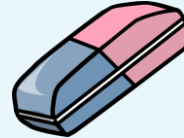
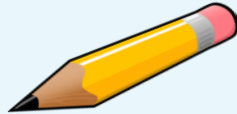
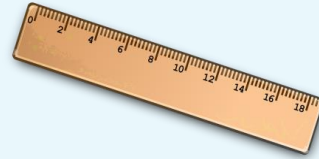


Yes or no questions

Why can a yes or no answer be useful?

- Quicker to give
- Easier to understand
- Clearer

Can you ask questions to guess which object I chose?



Think, pair, share – what questions could you ask?

You can only ask **yes** and **no** questions!

Can you find the object?

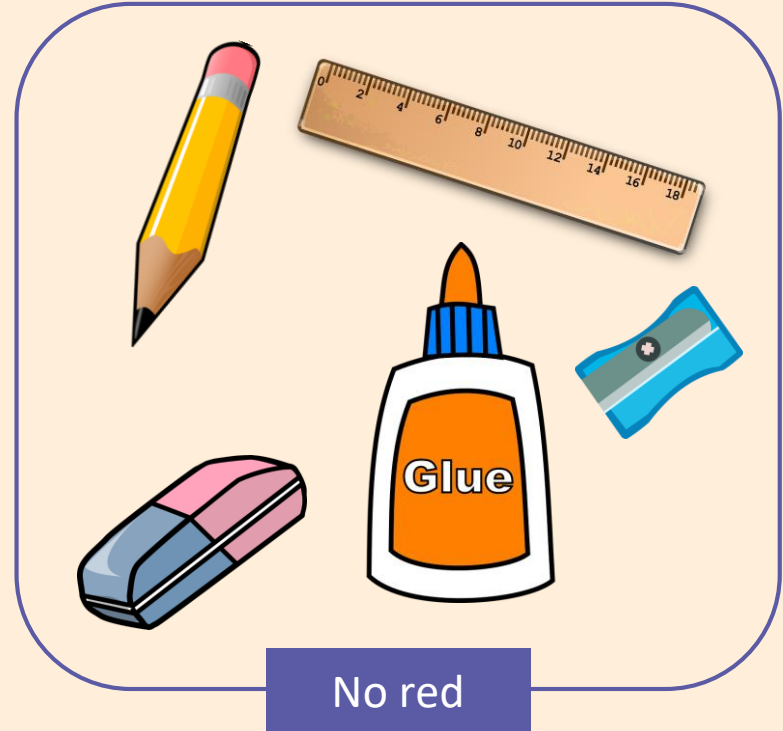
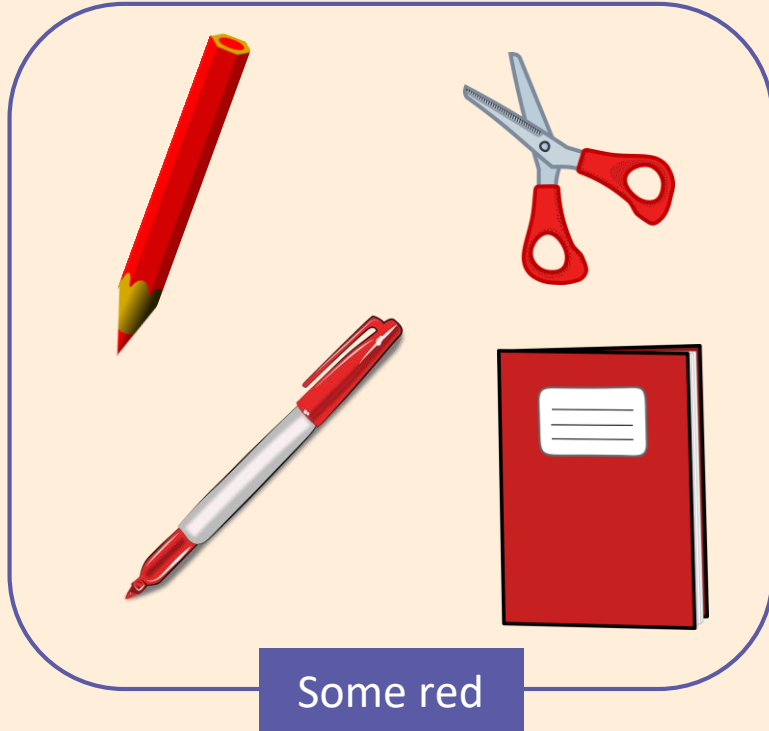
In your groups, take it in turns to pick an object.

The rest of the group have to ask questions to find out what object you chose.

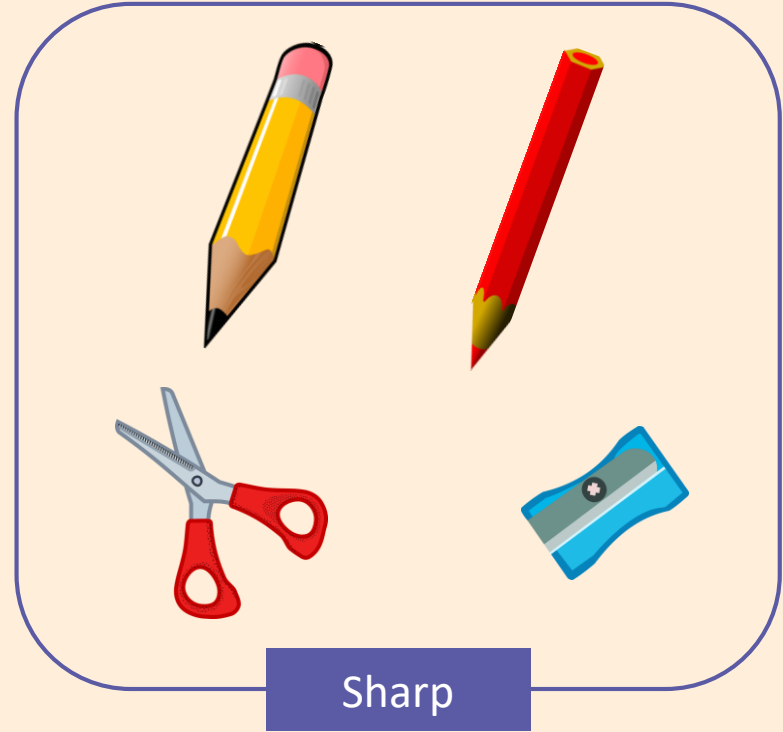
Remember questions can only be answered **yes** or **no**.



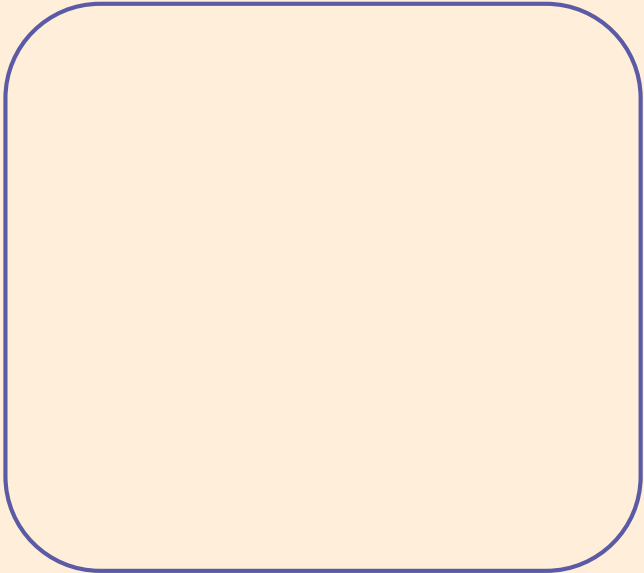
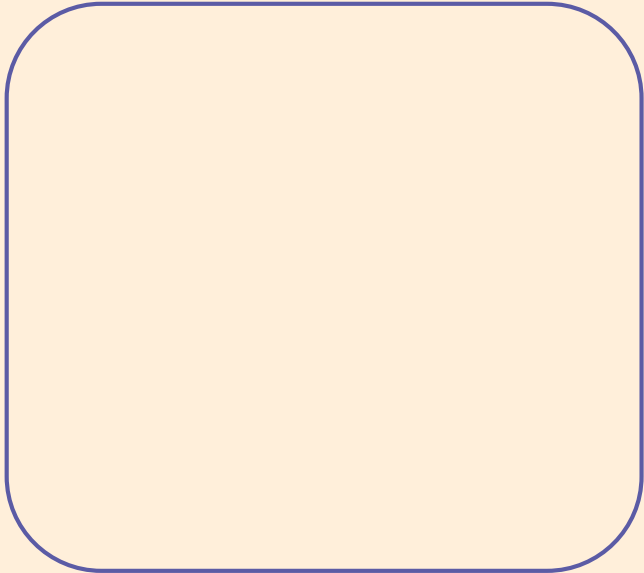
Think, pair, share – How have these objects been grouped?



Think, pair, share: How have these objects been grouped?



Can you think of other ways to group the objects?



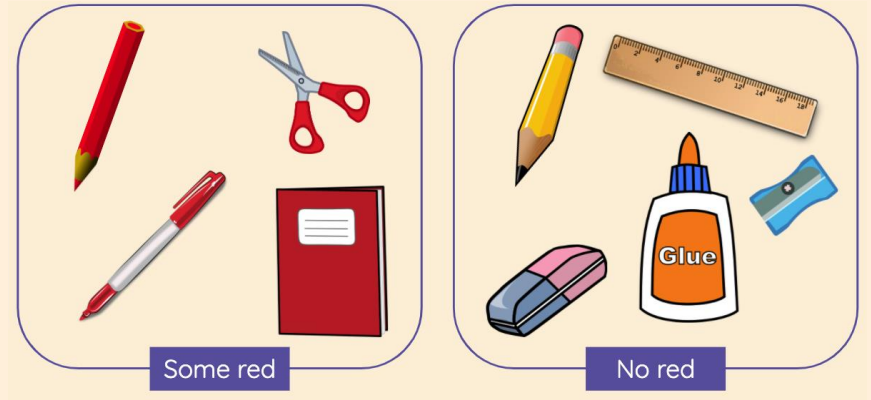
You have been grouping objects by their attributes

Is it red?

Colour

Does it have any metal?

Material



Attribute is another way to say **property**

Tell your partner the answer...

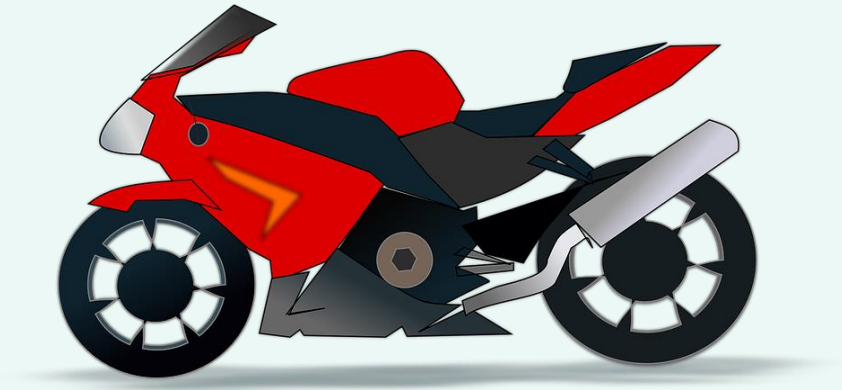
1. Does your school teach computing?
 2. Is it raining?
 3. Is it morning?
 4. Does your school start at 9am?
- Each answer is either **yes** or **no**
 - The questions start with **is** or **does**
 - Everyone had the same answers because they are facts

Think, pair, share: Think of three questions you could ask about this motorbike

1. Is it...

1. Is it...

1. Does it...










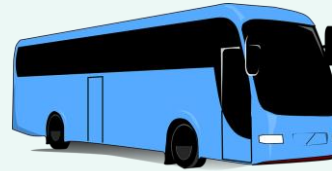
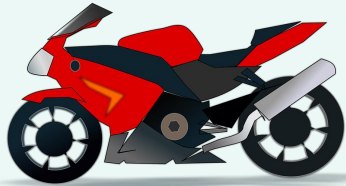
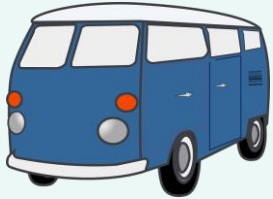
Remember: The answer must only be **yes** or **no!**

Can you write questions to group the objects?

Asking questions

Write at least 2 questions which have a yes or no answer. The answer should sort the pictures into 2 roughly similar sized groups.

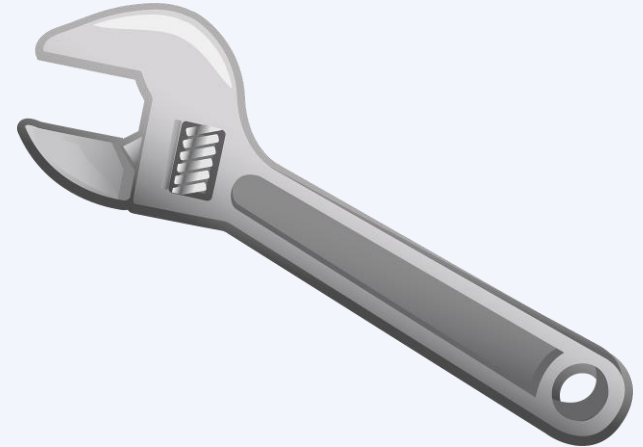
Question								Total 'Yes'	Total 'No'
Example: Does it have handlebars?	√	X	√	√	X	X	X	3	4



What questions could you ask to make two similar sized groups?

Yes/no questions describe an object's attributes

Yes/no question	Attribute
Is it big?	Size
	Material
Is it heavy?	
Is it grey?	



Think, pair, share: What question could be used for the attribute, 'material'?

How confident are you? (1–3)

- I can investigate questions with yes/no answers
- I can make up a yes/no question about a collection of objects
- I can create two groups objects separated by one attribute

3 - Very confident



2 - Unsure



1 - Not confident



Next lesson

In this lesson, you...

Thought of questions about objects that had yes or no answers

Linked questions to attributes and separated objects into even groups

Next lesson, you will...

Learn what a branching database is

Arrange a set of objects into a tree structure