

# Lesson 1: Yes or no questions

Data and information – Branching databases

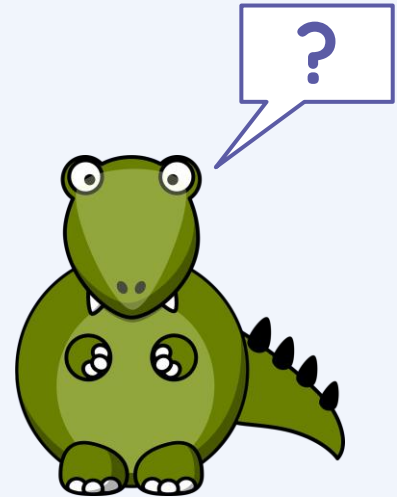
## L.I. Can I create questions with yes/no answers?

### Steps to success:

- 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

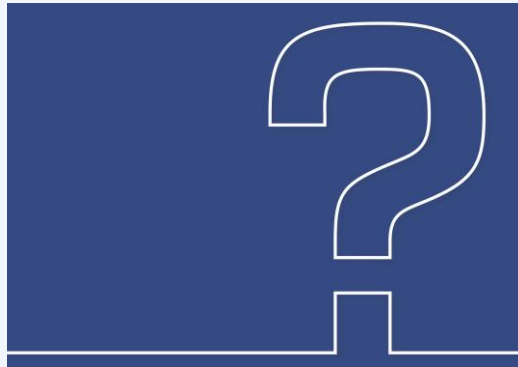
- When do you eat breakfast?
- How do you get to school each morning?
- Is it raining?
- What is your favourite food?
- Is a parrot a bird?
- Are the walls in the classroom pink?



## Different questions

Think:

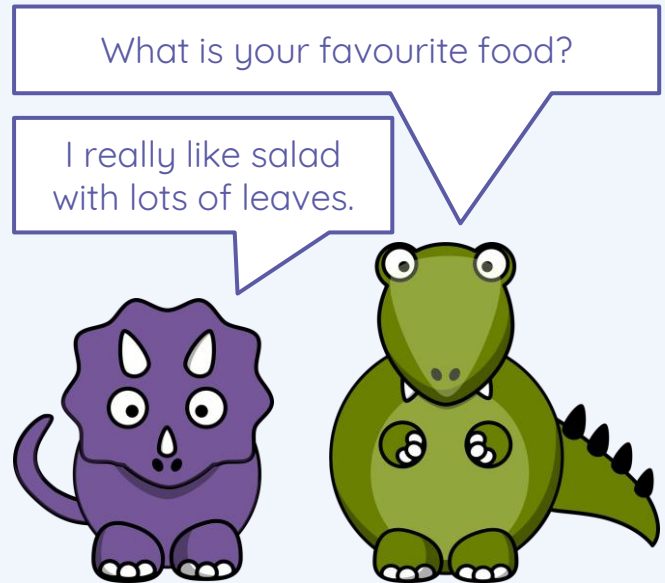
- What is different about the answers you gave?
- Would everyone give the same answers to these questions?



- Questions can need different types of answers.

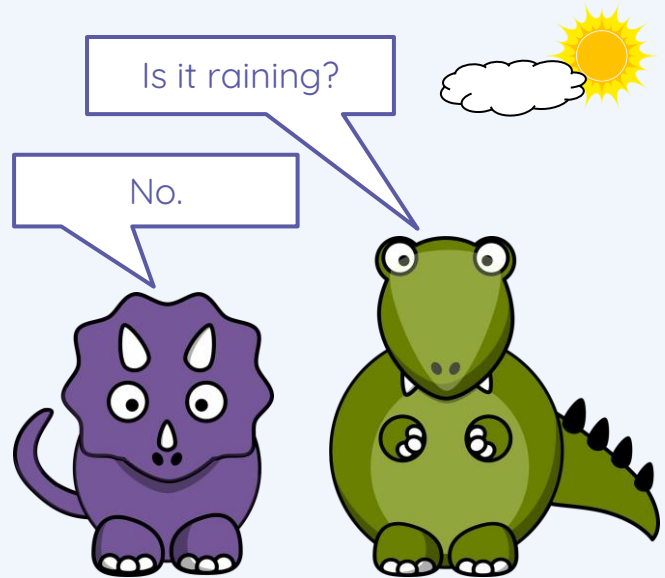
## Open-ended questions

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



## Yes or no questions

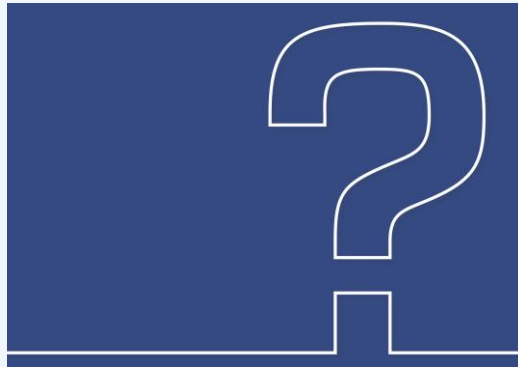
- Other answers are factual and can only be answered yes or no.



## Yes or no questions

Think:

- Why can a yes or no answer be useful?



## Yes or no questions

Think:

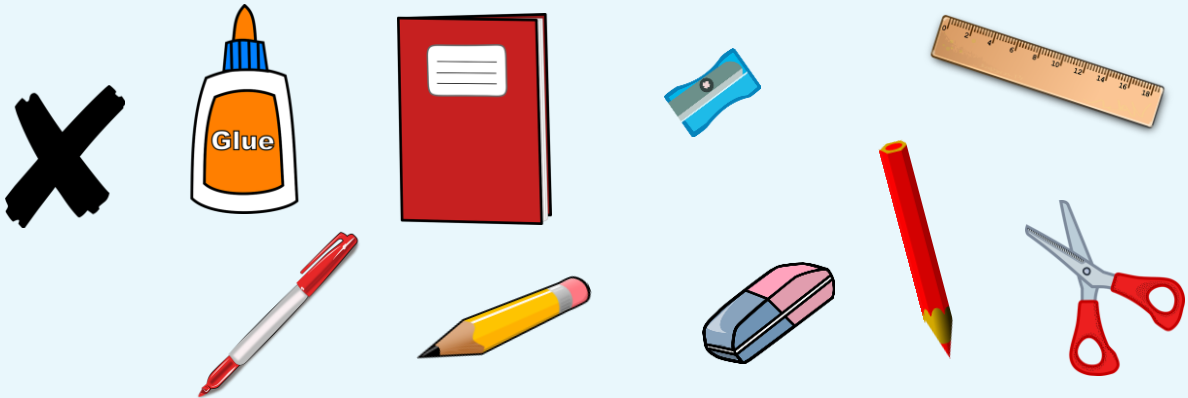
- Why can a yes or no answer be useful?
  
- Quicker to give
- Easier to understand
- Clearer





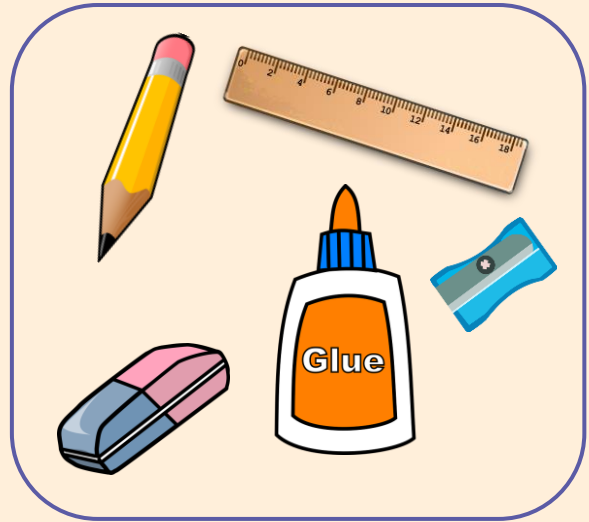
## Can you ask questions to guess which object is chosen?

- Play this game with someone at home. You can play more than once.

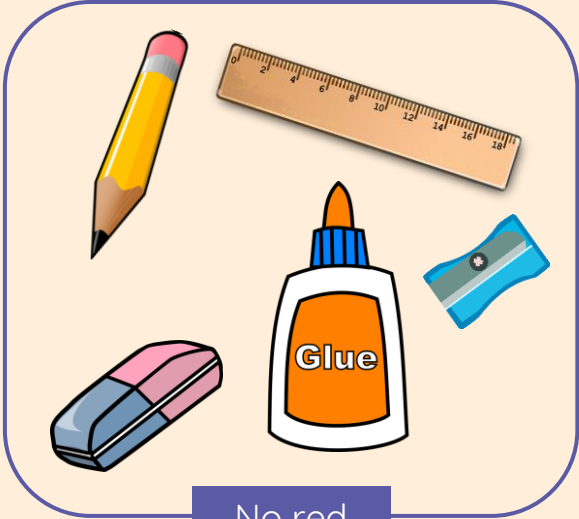


- One of you chooses a picture from this slide
- The other asks questions to find out which object was chose – what questions could you ask?
- You can only ask questions with yes and no answers!

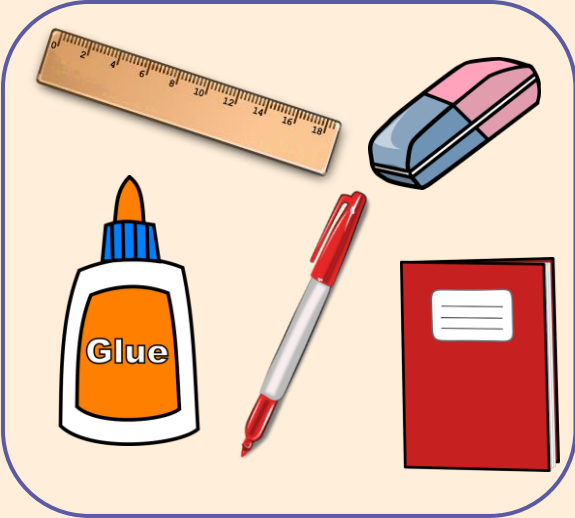
Think: How have these objects been grouped?



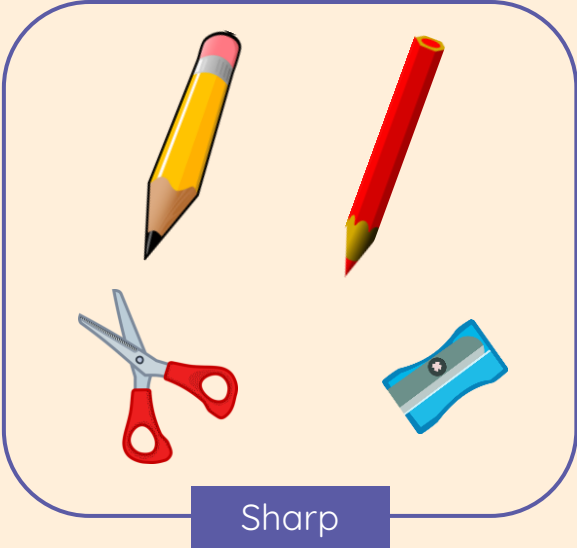
Think: How have these objects been grouped?



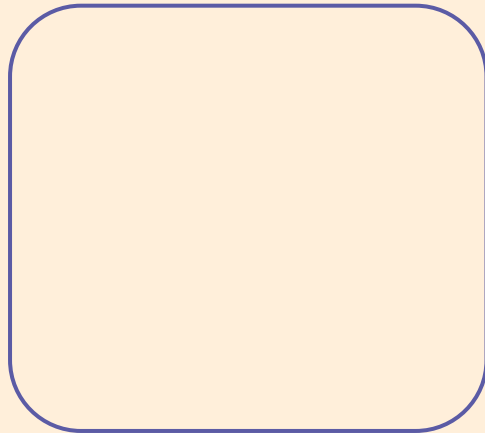
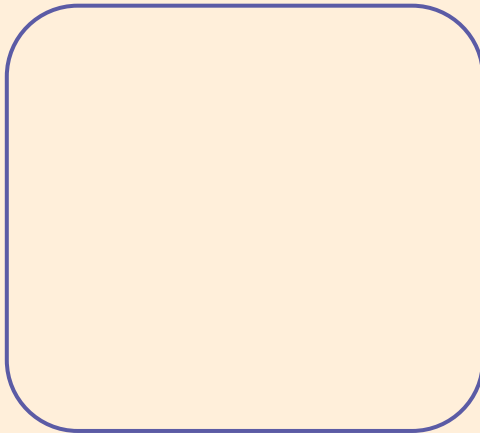
Think: How have these objects been grouped?



Think: How have these objects been grouped?



Can you think of other ways to group the objects?



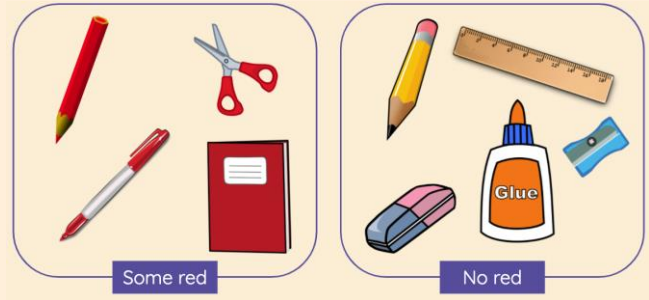
## You have been grouping objects by their attributes

### Colour

- Is it red?

### Material

- Does it have any metal?



Attribute is another way to say property

## Answer...

1. Does your school teach computing?
2. Is it raining?
3. Is it morning?
4. Does your school start at 9am?

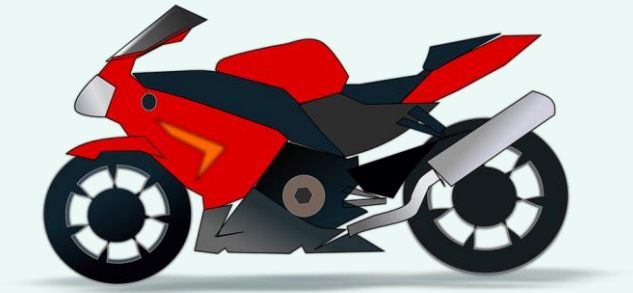


## Tell your partner the answer...

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 has the same answers because they are facts

## Think: Think of three questions you could ask about this motorbike

- Is it...
- Is it...
- Does it...










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

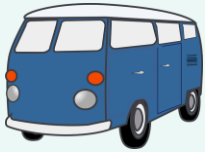
# Can you write questions to group the objects?

- Use the activity sheet to complete this task

## 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.

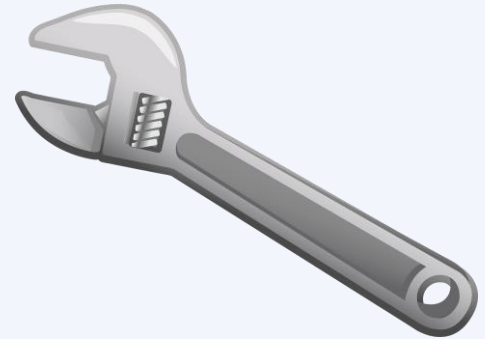
Question								Total 'Yes'	Total 'No'
<b>Example:</b> Does it have handlebars?	√	X	√	√	X	X	X	3	4



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

## 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