What should I already know?

I have learned about sorting and grouping objects in Year 1. I know that objects can be sorted or grouped by their properties and that this can make it easier to count them and answer questions about them.

Vocabulary

data	data is information that has been collected for a purpose
tally chart	A way to organise information using marks in groups of 5
pictogram	A chart that uses small pictures or symbols to show data
attribute	a property of an object, for example colour, size or shape
block diagram	a colourful chart that shows information by organising blocks into columns

1. What is a tally chart and how is it useful?

A tally is a group of 5.
Each group of 5 looks like a gate

Sticky Knowledge A tally chart organises data into groups of 5. This makes the data easier to count
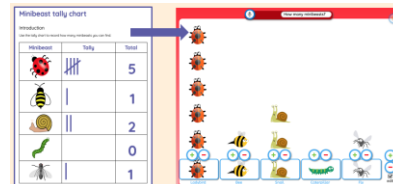
2. How can we represent objects when organising them?

We used the tablets to organise data into a pictogram.

Sticky Knowledge Objects can be represented using small pictures or symbols on a chart. This is called a pictogram.

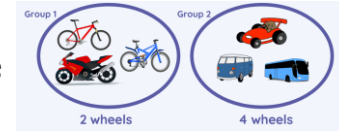### 3. How do pictograms make data easier to understand?

This data is easy to read and answer questions about!

Sticky Knowledge Data is easier to understand if it is organised. Data can be organised into a tally chart. Tally charts can be used to create a pictogram.

4. What is an attribute?
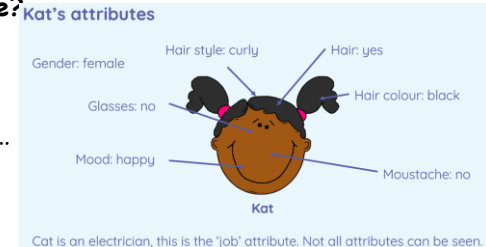
Attributes describe objects and make them easier to organise

Here, number of wheels is an **attribute.**

Sticky Knowledge An attribute is a property or feature of an object. This might be colour, size or shape or something else.

5. Can you select an attribute to use to compare different people?

Attributes to describe people…

Sticky Knowledge Not all attributes can be seen. A good example of this is when describing people's jobs.

6. How else can we present data? Should we share all data?

Block diagrams show data without pictures.

Keep your personal information private.

Sticky Knowledge Block charts organise data like pictograms. They use blocks instead of pictures. You should not share personal data online.