What is an attribute?

Year 2 – Data and information – Pictograms
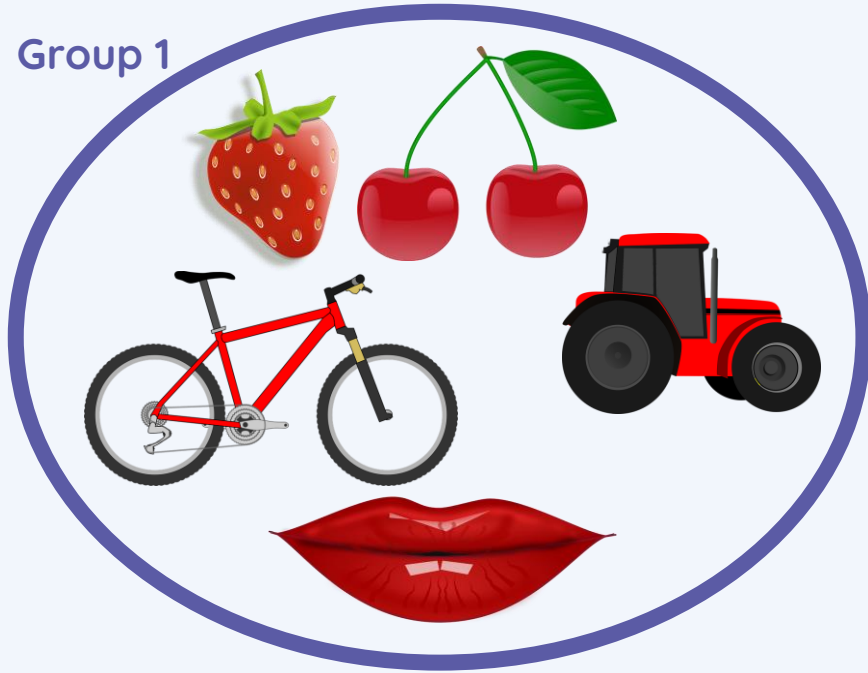
National Centre for Computing Education

What is an attribute?

To select objects by attribute and make comparisons

- I can tally objects using a common attribute

- I can create a pictogram to arrange objects by an attribute

- I can answer more than/less than, most/least questions about an attribute

Grouping objects
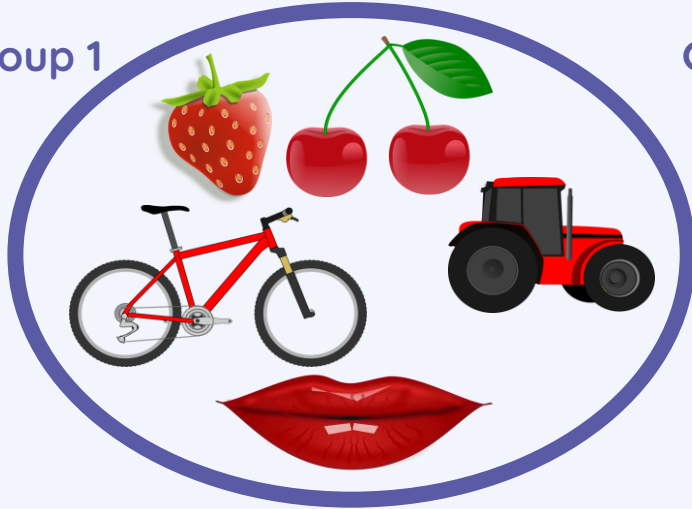
Group 1

Group 2

Question: How do you think these objects have been grouped?

Colour

These objects have been grouped by colour. Colour is an attribute. It is a way to describe the objects. We can group objects using different attributes.
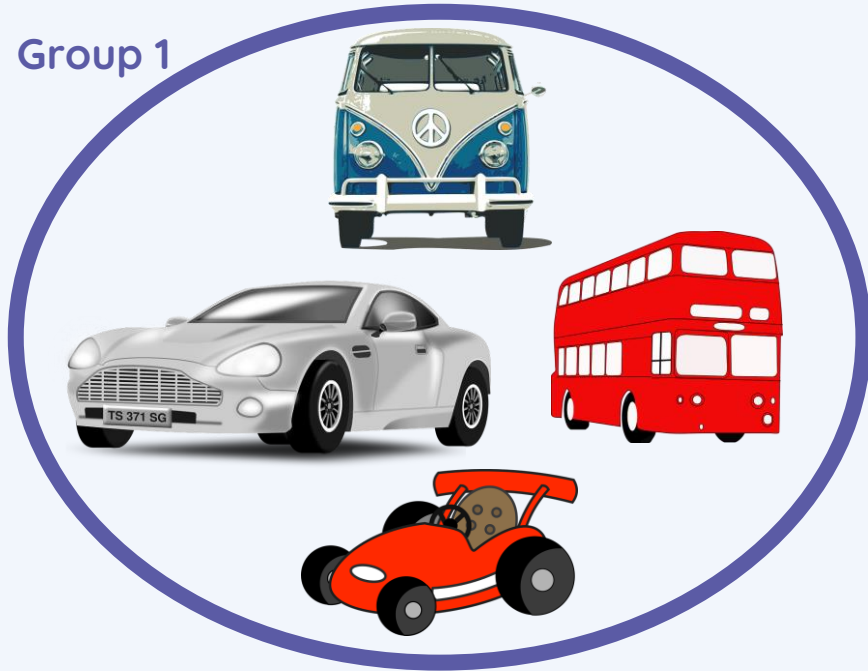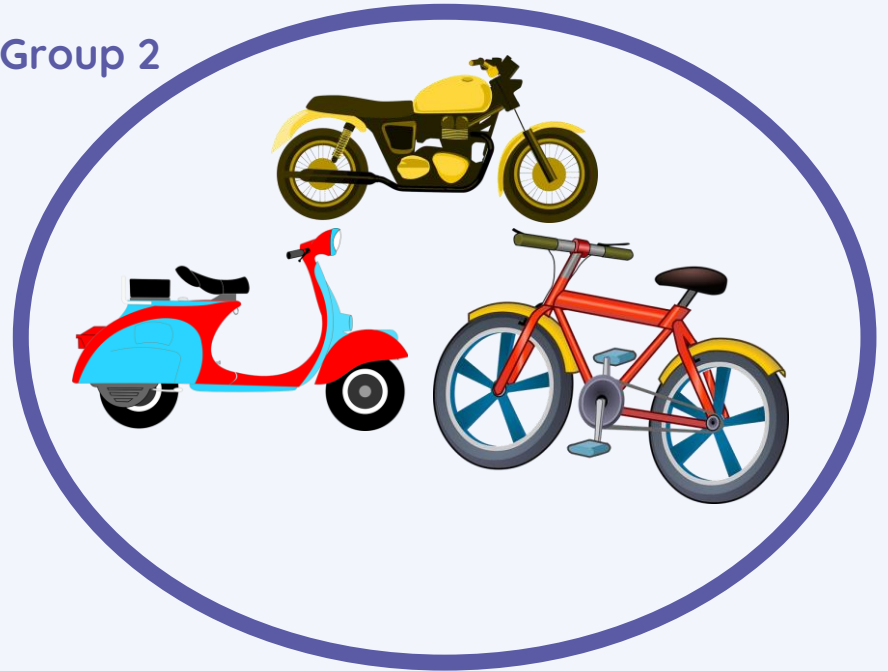
Group 1

Group 2

Red

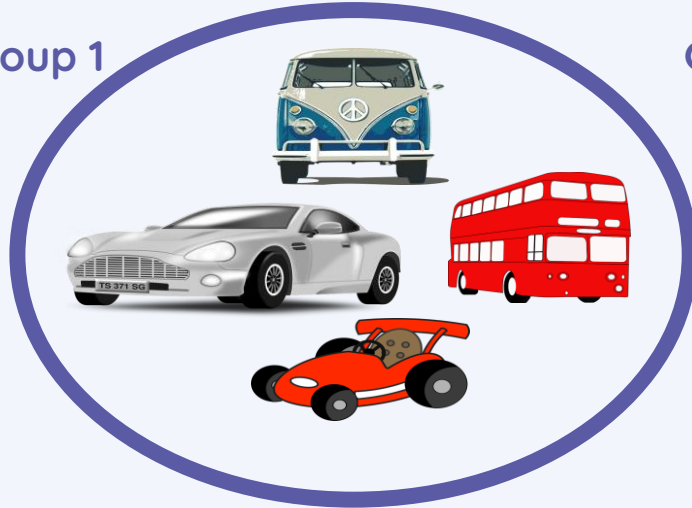**Blue**

Grouping objects

Group 1

Group 2

Question: Why do you think these objects have been grouped like this?
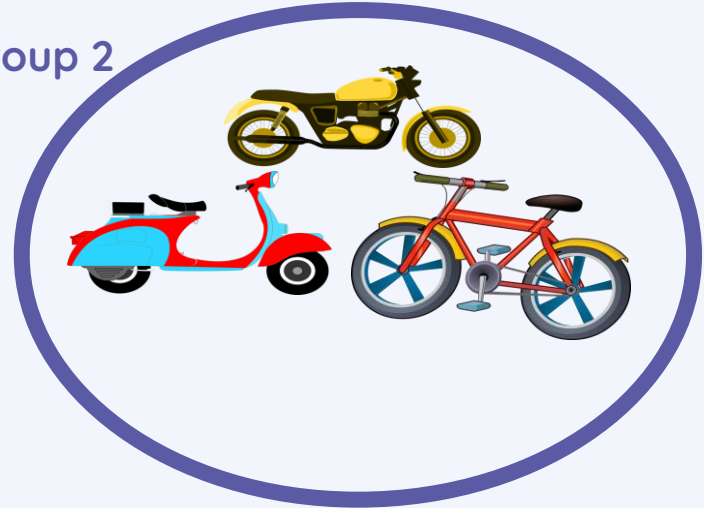
Number of wheels

These objects have been grouped by the number of wheels. Number of wheels is an attribute. It is a feature that each of these objects has. We can group objects using different attributes.

Group 1

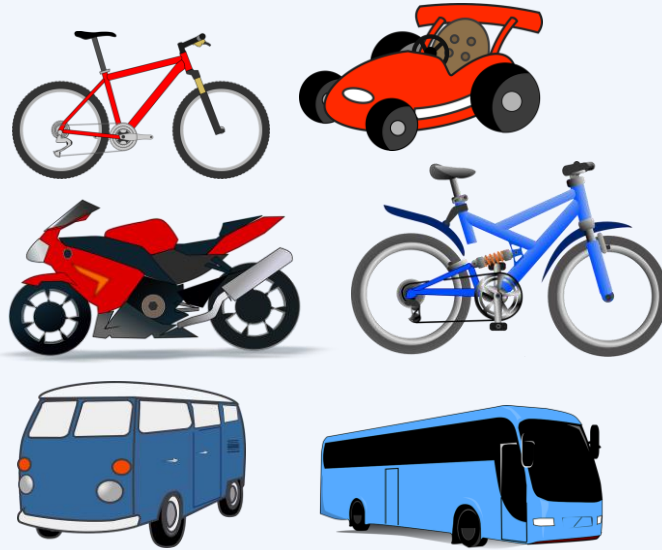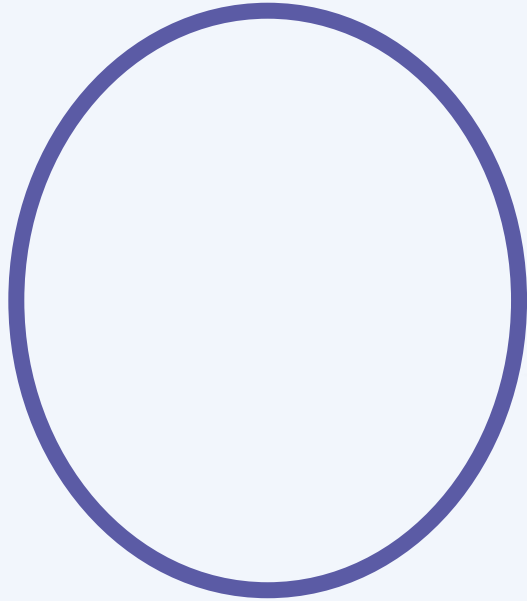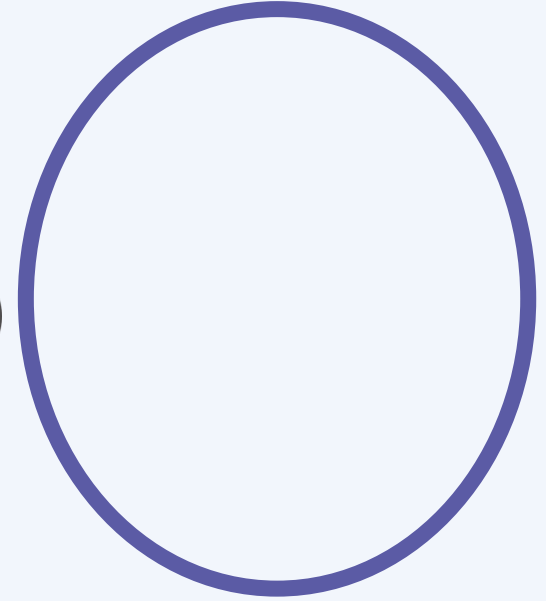**Group 2**

Four wheels

Two wheels
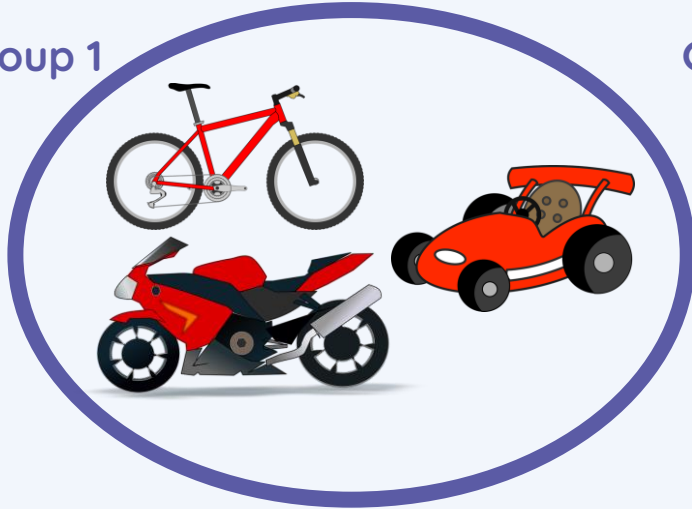
Grouping objects

Group 1

Group 2

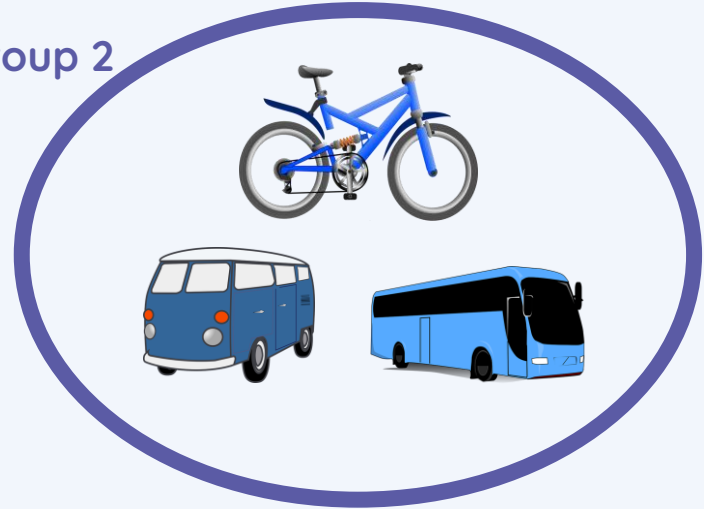**Question**: How would you group these objects?

Colour

These objects have been grouped by their colour. Colour is an attribute. It is a feature that each of these objects has. We can group objects using different attributes.
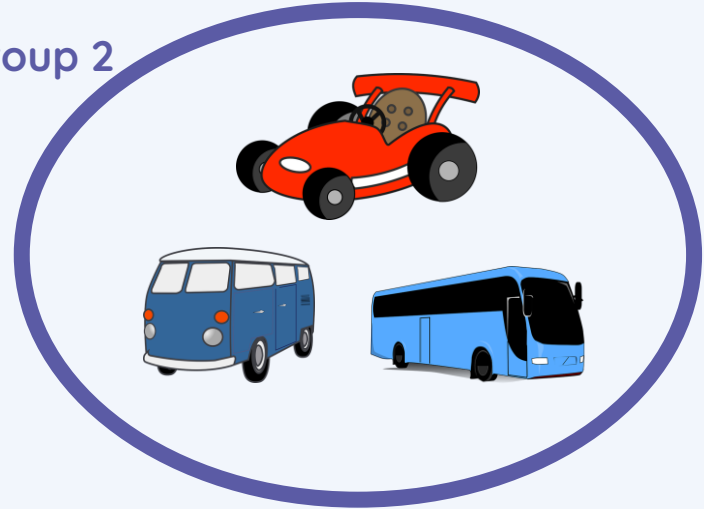
Group 1

Group 2

Red

Blue

Number of wheels

The same objects have been grouped by the number of wheels they have. Number of wheels is an attribute. It is a feature that each of these objects has. We can group objects using different attributes and in different ways.
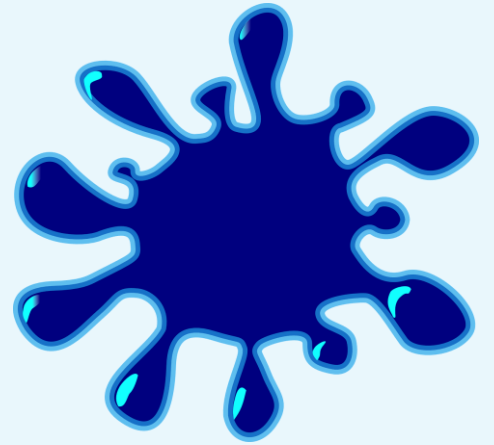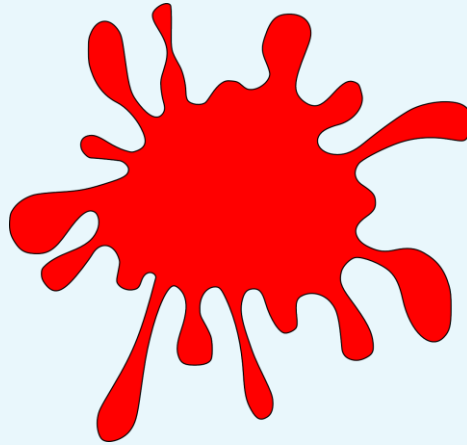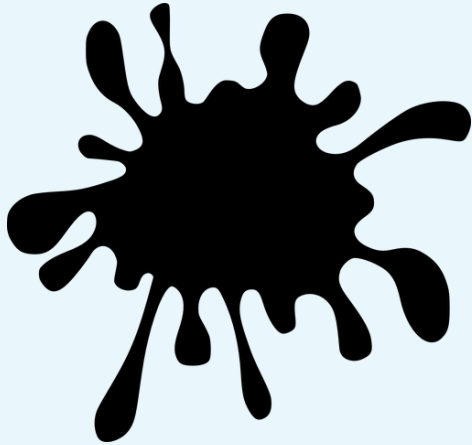
Group 1

Group 2

2 wheels

4 wheels

Tally charts

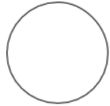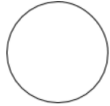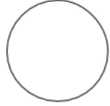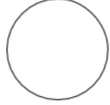You are going to create a tally of objects using a common attribute: colour.

You are going to use a tally chart to record the colour of the objects you see.

Tally charts

Creating a tally

Introduction

Add your chosen colours to the tally chart below. Use the tally chart to record the objects that you see.

Colour	Tally	Total
◯		
◯		
◯		
◯		
Other		

Pictogram questions

National Centre for Computing Education

Year 2 – Pictograms
Lesson 4 – What is an attribute?

Learner Activity sheet

Save a copy
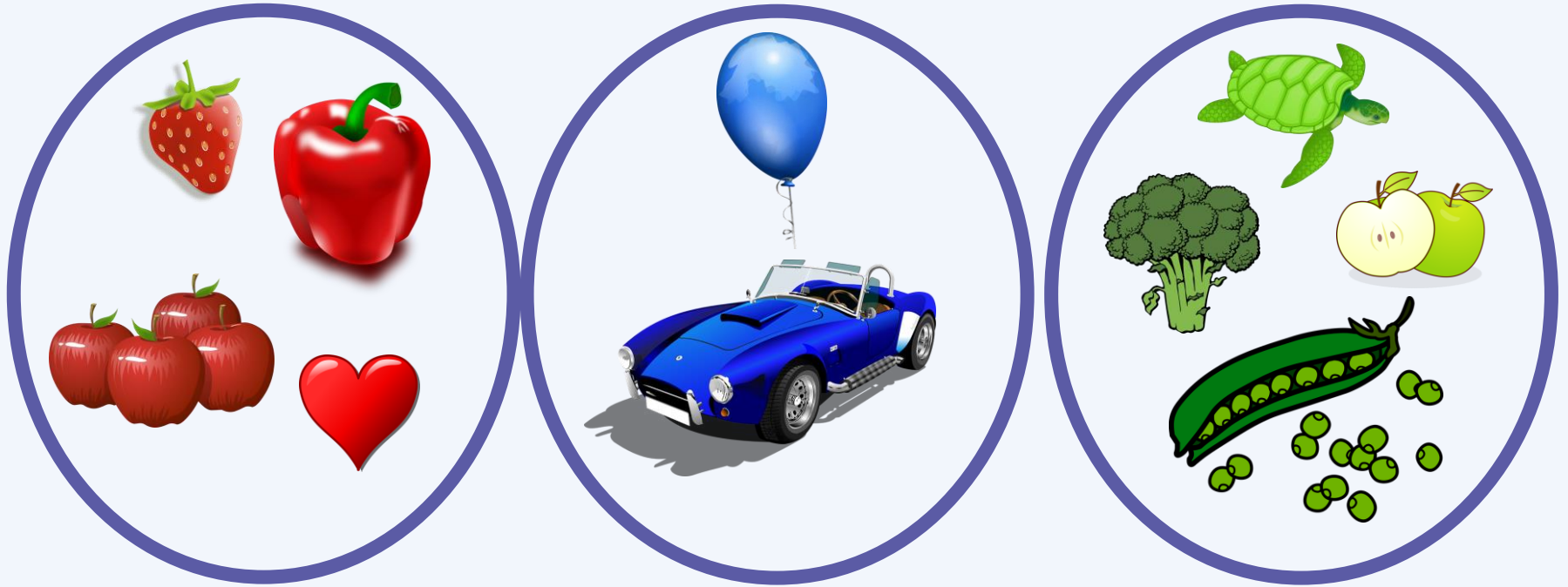
Pictogram questions

Introduction

Use your pictogram to answer these questions.
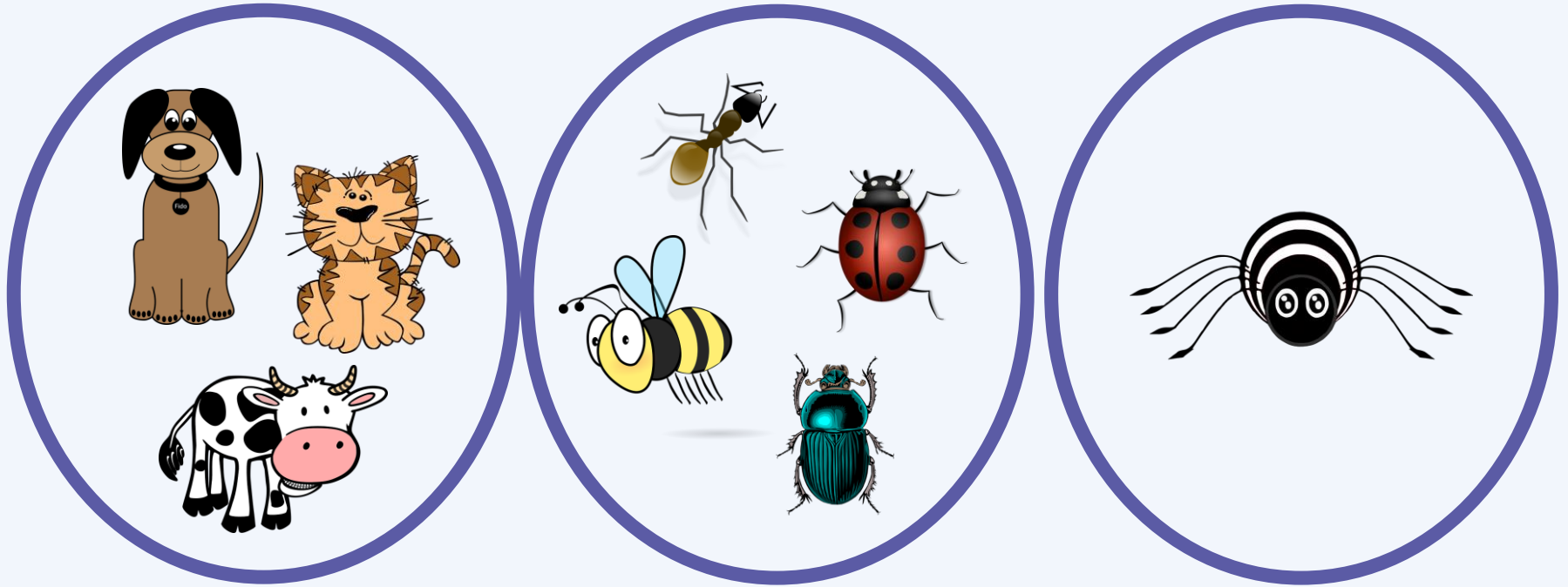
1. Which colour was seen the most?

   _____

2. Which colour was seen the least?

   _____

3. Were any colours seen more than 5 times?

   _____

4. Were any colours seen less than 10 times?

   _____

5. Were any colours seen 0 times?

   _____

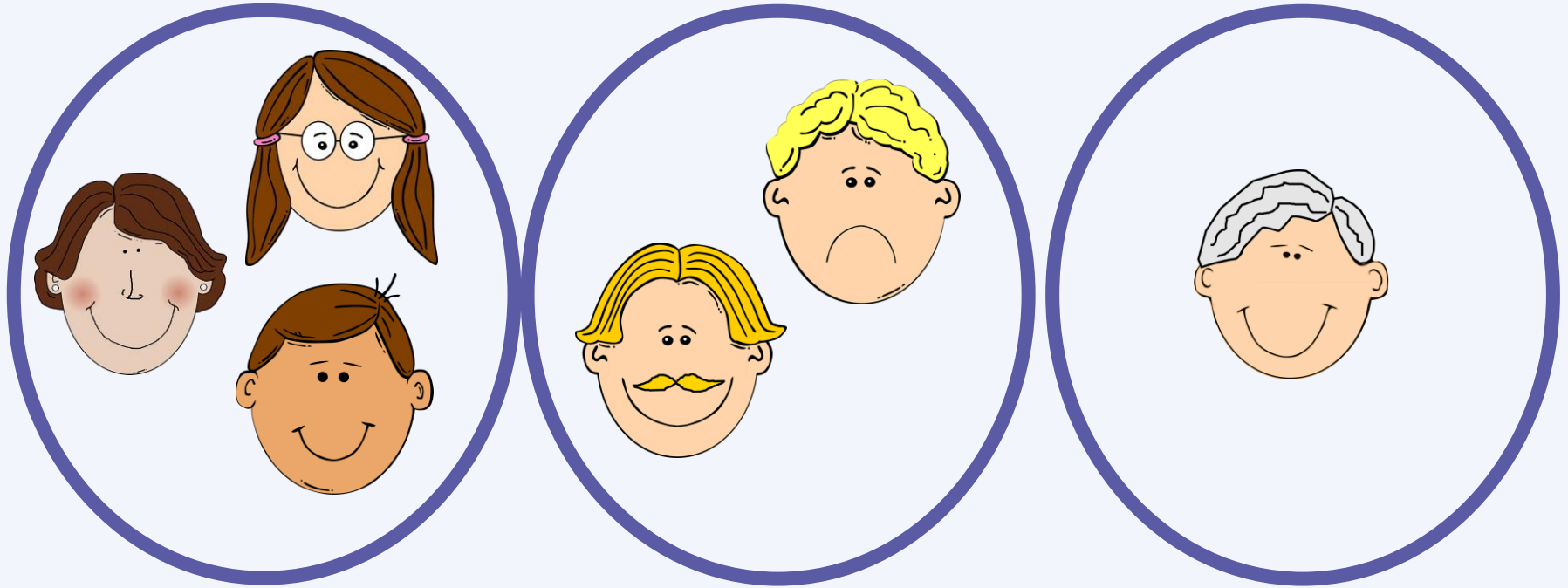# I selected objects and grouped them by attribute

Question: Can you guess which attribute was chosen? **Colour**

I selected objects and grouped them by attribute

Question: Can you guess the attribute I chose to use?   **Number of legs**

I selected objects and grouped them by attribute

Question: Can you guess the attribute I chose to use?   **Hair colour**

How confident are you? (1–3)

- I can tally objects using a common attribute

- I can create a pictogram to arrange objects by an attribute

- I can answer more than/less than, most/least questions about an attribute.

3 - Very confident

2 - Unsure

1 - Not confident

Next lesson

In this lesson, you …

Selected objects by attribute and made comparisons

Next lesson, you will …

Recognise that people can be described by attributes