Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children read and interpret data from a one-to-one pictogram to answer questions. They compare the data within the pictogram.

What is the pictogram showing us?

What different pets do the children have?

How many children have a dog as a pet?

How do you know?

Which is the most/least common pet?

How can we find out how many pets there are altogether?

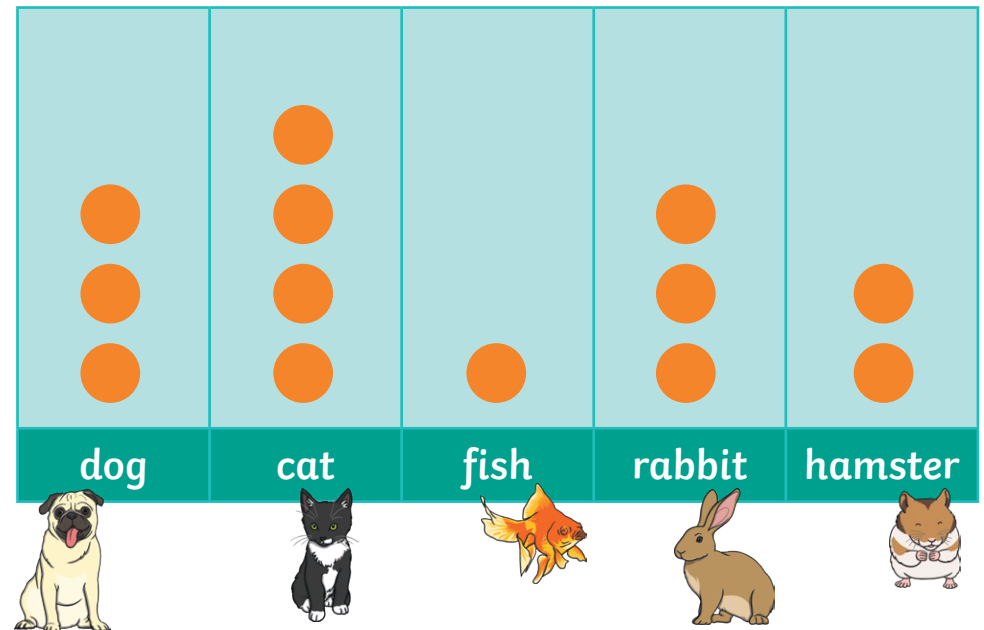How can we compare the number of cats and hamsters?

Can you think of a question you could ask a friend?

Interpret Pictograms (1-1)

Here is a pictogram to show class A's pets.

Key: ● = 1 pet

dog	cat	fish	rabbit	hamster

What is the most common pet?

How many pets are there in total?

How many more cats than hamsters are there?

How many fewer fish than dogs are there?

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children read statements about a pictogram and then interpret the pictogram, using reasoning skills to decide whether the statements are true or false.

What is this pictogram about?

What can you tell me about the results of the vote?

Read a statement. Is it true or false?

Why do you think that?

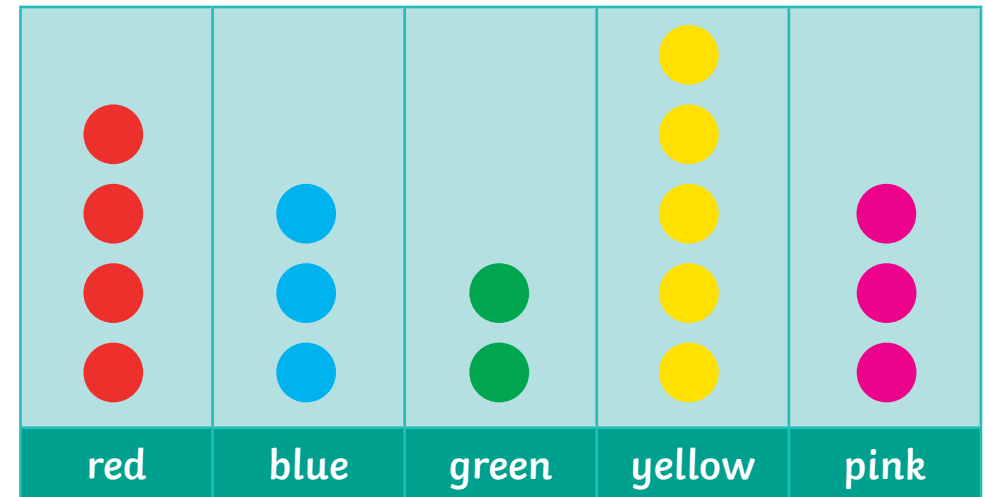Can you correct each false statement?

Can you make three other true statements about this data?

Interpret Pictograms (1-1)

Class B voted for their favourite colour.

Key: ⚪ 1 circle = 1 person

red	blue	green	yellow	pink

Are these statements about the pictogram true or false? Explain your answers.

The most popular colour is yellow.

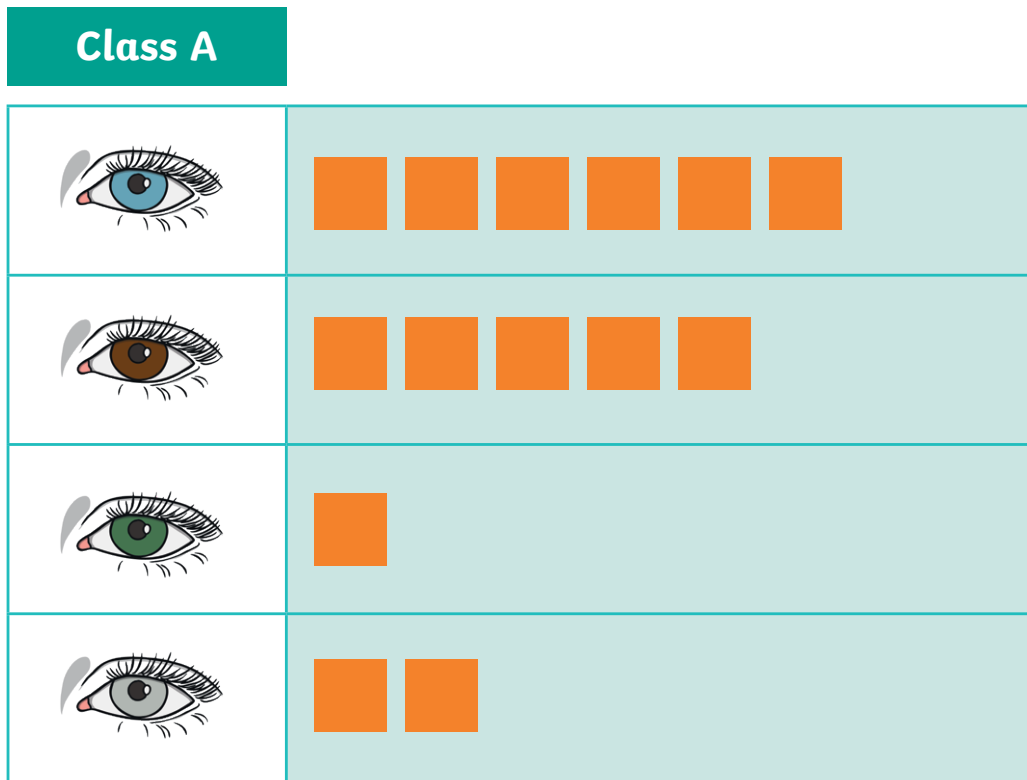16 children voted for their favourite colour.

3 children chose pink.

3 more children chose yellow than blue.

7 children chose red and pink together.

The same number of children chose pink and blue.

Interpret Pictograms (1-1)

Children in classes A and B were all asked what colour their eyes are. Here are the results in pictograms.

Class A

Eye colour	Children
blue eye	■ ■ ■ ■ ■ ■
brown eye	■ ■ ■ ■ ■
green eye	■
grey eye	■ ■

Key: ■ = 1 child

Class B

blue	brown	green	grey
★	★	★	★
★	★		★
★	★		★
	★		
	★		
	★		
	★		
	★		

Key: ★ = 1 child

What's the same?
What's different?
Think about both the data and how it is presented.

Diving into Mastery – Deepest
Adult Guidance with Question Prompts

Children compare two pictograms presented in different ways and showing different data.

How are these pictograms the same in terms of presentation?

What symbols are used?

What does each symbol represent?

How are they presented differently?

Which one is vertical and which is horizontal?

How are the pictograms the same in terms of data?

Which is the most/least common eye colour in each class?

Which eye colour has the same frequency in both classes?