

Interpret Pictograms (2, 5 and 10)



Class A carried out surveys about children's favourite things.

Sport	Number of Children
Football	
Rugby	
Tennis	
Hockey	

Key

 = 2
 children

The most popular sport was _____.
 _____ children chose hockey.
 _____ more children chose football than rugby.
 _____ children were included in the survey.

Orange Juice	Milk	Water	Lemonade

Key

 = 5
 children

What was the least popular drink? _____
 How many children chose water and lemonade altogether? _____
 What could the title of this pictogram be?

Ice Cream Flavour	Number of Children
Chocolate	
Vanilla	
Strawberry	
Salted Caramel	

Key

 = 10
 children

True or False?
 15 children chose chocolate. _____
 50 children chose strawberry and salted caramel altogether. _____



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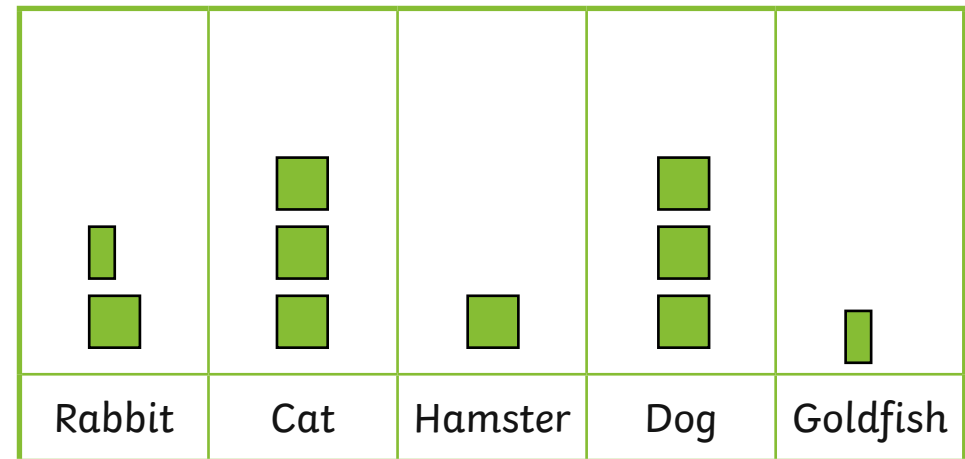


Emma and Brody have drawn pictograms to show how many children in their class have pets.

Emma's Pictogram

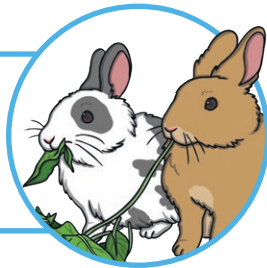
Pet	
Rabbit	● ● ●
Cat	● ● ● ● ● ●
Hamster	● ●
Dog	● ● ● ● ● ●
Goldfish	●

Brody's Pictogram



Key

● = 5 children



Key

■ = 10 children



Our pictograms look different.

One of us must have made a mistake.



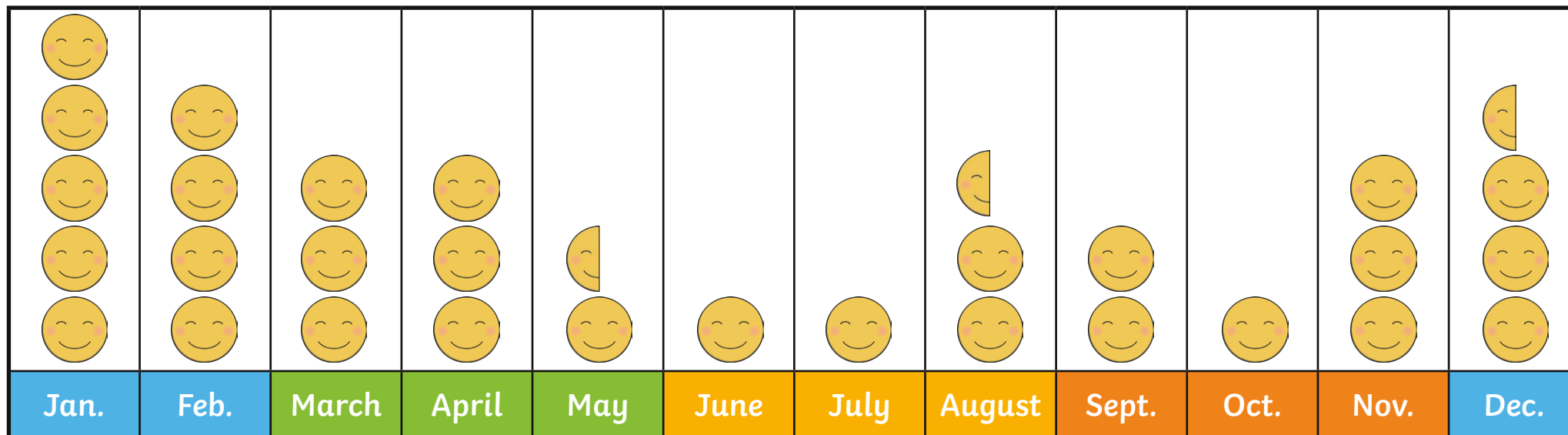
Do you agree? Explain your answer.

Interpret Pictograms (2, 5 and 10)



The soft play centre records how many children visit in each month of the year.

 = 10 children



Winter	Spring	Summer	Autumn
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Give the pictogram a title.	Write 5 things this pictogram tells you.	Are there more visitors to the soft play in the summer months or the spring months? How many more?
There were 4 visitors during February. True or false?	Which month would be best for the soft play to close for cleaning? Why?	In which season will the soft play centre make the most money from ticket sales? Why?

Interpret Pictograms (2, 5 and 10)

Adult Guidance with Question Prompts



Children count in twos, fives and tens to interpret and answer questions about scaled pictograms. They halve two and ten to work out what half a symbol would represent. Children work with examples of horizontal and vertical pictograms.

What is the first pictogram about?

What does it tell us?

What does each square represent?

How do you know?

Explain how you will work out how many more children prefer football to rugby.

What is the next pictogram about?

How many children are represented by one smiley face?

What title would you choose for this pictogram?

What does a whole triangle represent in the ice cream pictogram?

What does half a triangle represent?

Interpret Pictograms (2, 5 and 10)

Adult Guidance with Question Prompts



Children compare two pictograms of different scales to see if they represent the same data. They explain what they notice about the two pictograms using vocabulary related to statistics.

How are Emma's and Brody's pictograms different?

Are they the same in any ways?

Explain how they are the same?

What numbers do the symbols represent in each pictogram?

Do you think both pictograms are representing the same data?

Why?

Have the children made a mistake?

Would you have used the same scale as Emma or Brody or a different one to represent this data?

Interpret Pictograms (2, 5 and 10)

Adult Guidance with Question Prompts



Children interpret a pictogram, answering questions and writing facts about the data. They give the pictogram a title.

What does this pictogram tell us about?

Which times of year are the busiest/quietest?

What would be a good title for this pictogram?

What does one smiley face represent?

What does half a face represent?

How many children visited in May?

How many children visited in each season?

Which are the quietest months?

What does the pictogram tell you?

Can you write five facts?