

Pictograms

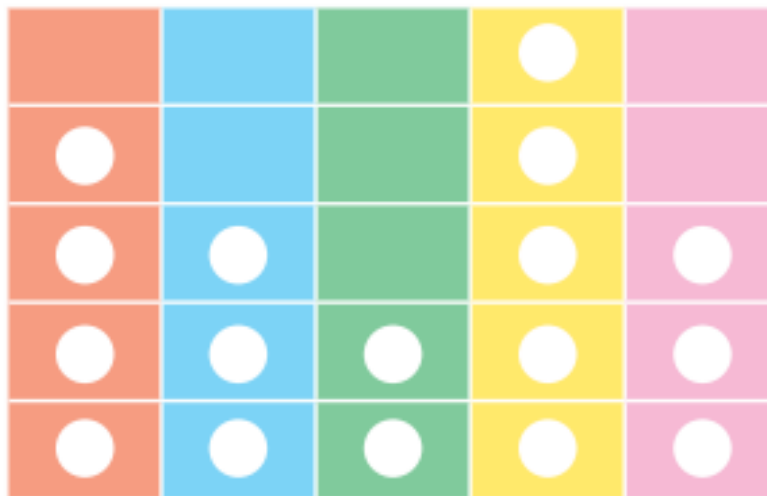
Tuesday 14th July

Today we continue our work on data handling and we will build on what we learnt about tally charts yesterday.

Today's focus is PICTOGRAMS.

Pictograms use pictures or symbols to represent data. Each picture or symbol can represent one item or more than one. The key shows what each symbol represents.

Favourite Colour



Red

Blue

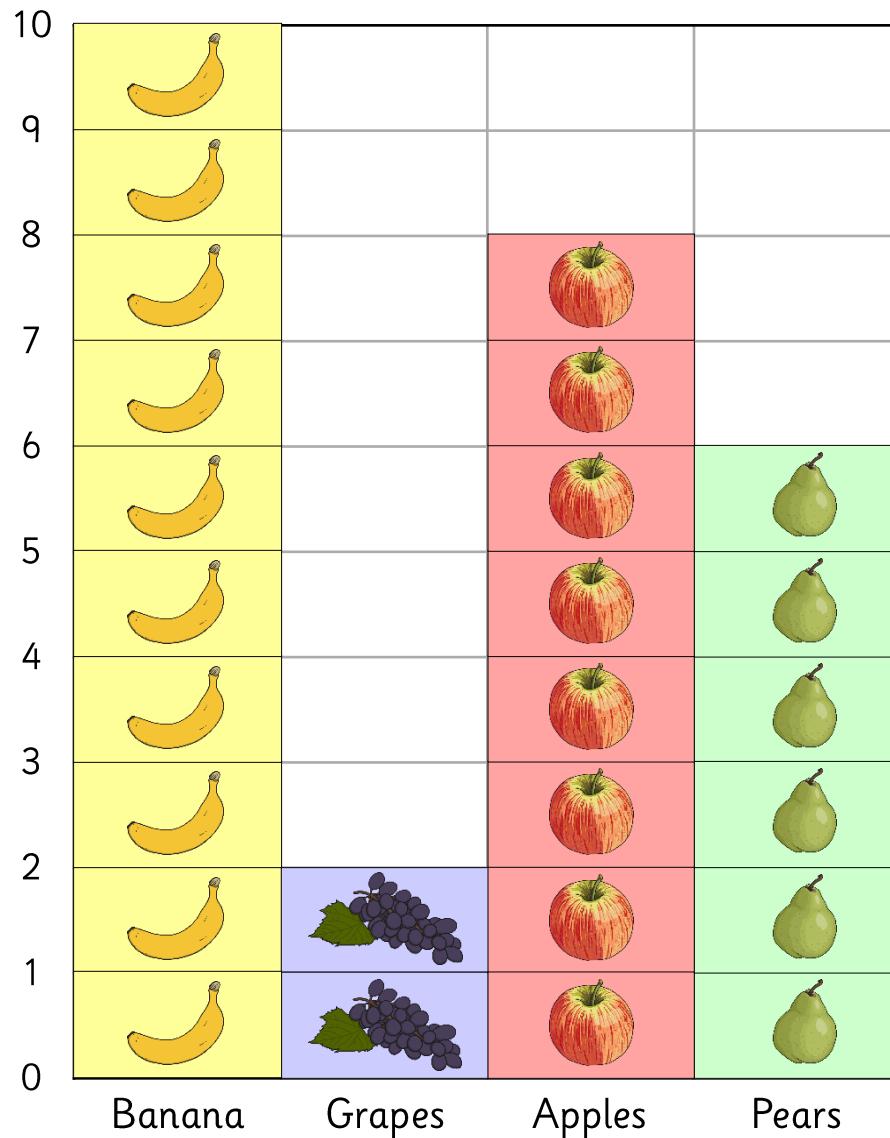
Green

Yellow

Pink

Key

● = 1 child



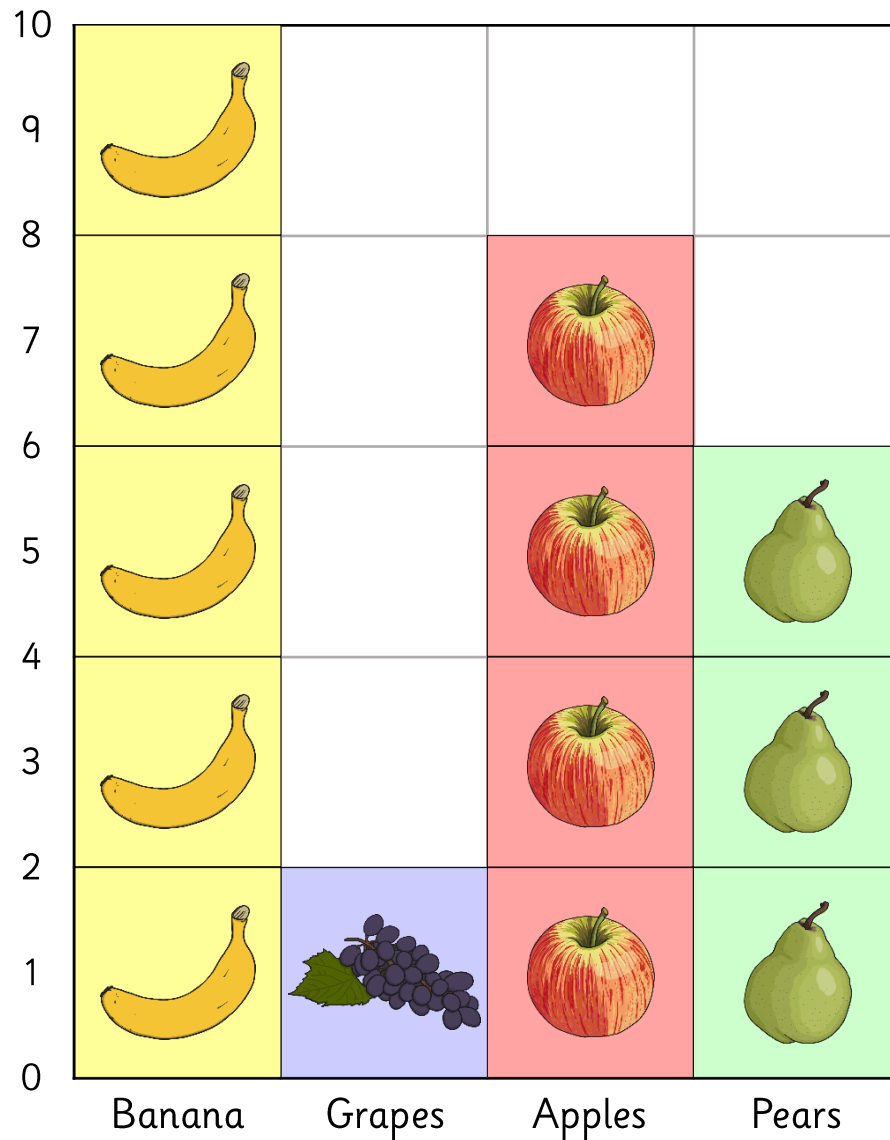
Favourite Fruit

Here is a bar chart showing the favourite fruit for a class of children.

The scale counts up in 1's.

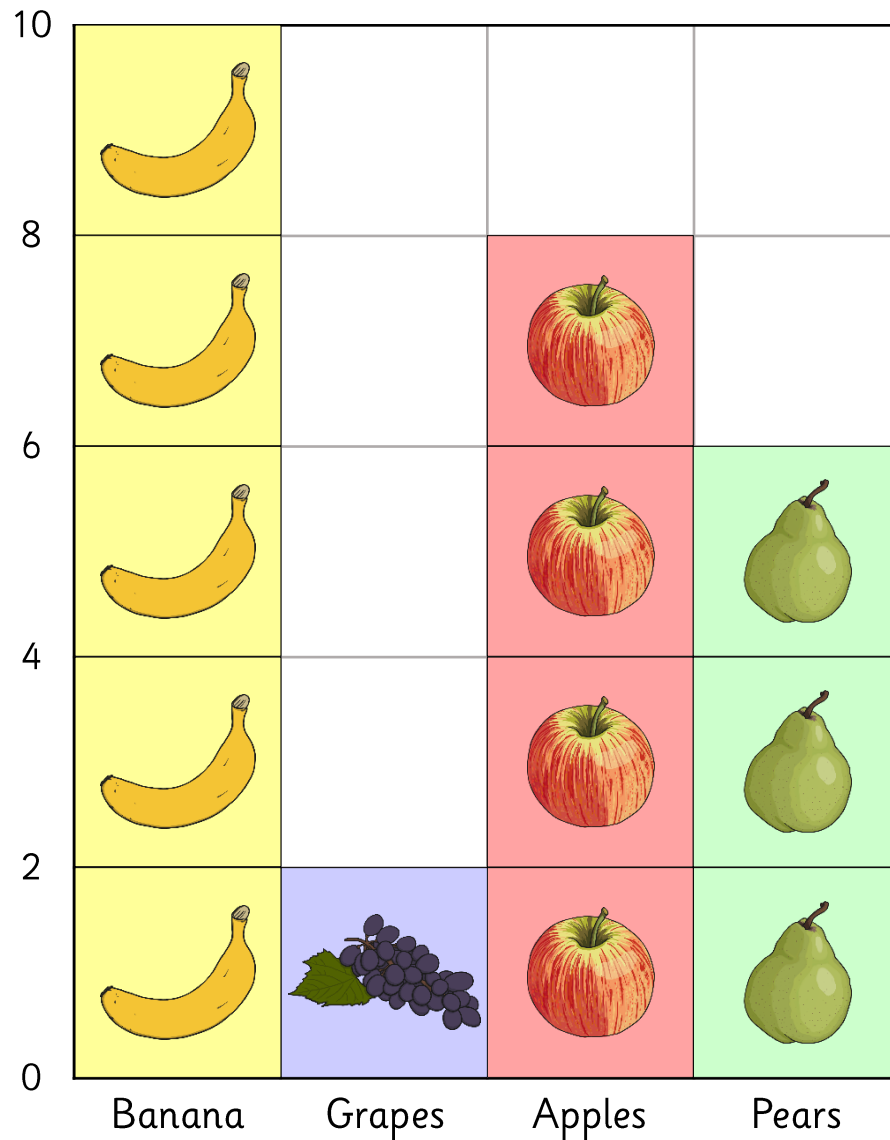
How many children liked grapes?

How many more children preferred pears to grapes?



Favourite Fruit

Here is the same pictogram with 1 picture representing 2 children's choices.



Favourite Fruit

Here is the same pictogram with the number scale changed to only show the even numbers.

Activity

Now complete the drawing pictogram work cards, remember what you learnt about tally charts yesterday


Draw Pictograms (1-1)

Class A voted for their favourite fruit. They recorded some of the data in a pictogram. Finish off the pictogram.

Fruit		Total
apples	☺☺☺☺☺	5
bananas		4
oranges	☺☺☺	
pears		6
plums	☺☺☺☺☺☺☺	
grapes		5

most popular = _____
least popular = _____


Key
☺ = 1 child



Draw Pictograms (1-1)

Class B collected data using a tally chart. They drew a pictogram to show the data. Have they done it correctly?

Favourite Fruit	Tally
apples	
bananas	
oranges	
pears	



Fruit		Total
apples		6
bananas		5
oranges		6
pears		4

Key
||| = 1 child

True or false?


3 more children chose apples than pears.
12 children chose bananas and oranges altogether.

Draw Pictograms (1-1)

Each child from Class C put a counter on the pictogram to show their favourite fruit. Why is this pictogram tricky to read?

Present the data in a pictogram that is clear to read. Choose a simple symbol and record it using the key at the bottom.

Fruit		Total
apples		5
bananas		5
oranges		5
pears		5
plums		5
grapes		5



Key
= 1 child

What does the pictogram tell us?
Write 4 sentences about the data.

Scaled Pictograms

Wednesday 15th

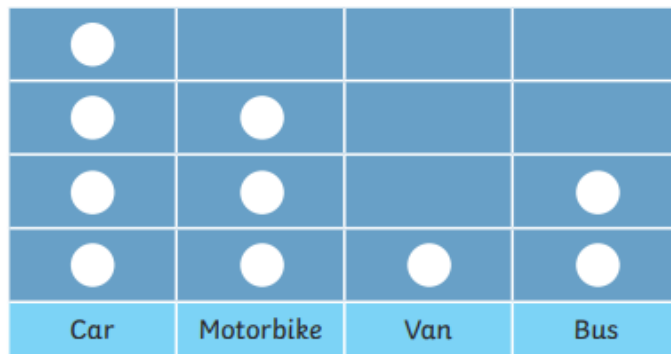
July

Yesterday we learnt how to draw and interpret a pictogram. We looked at pictograms with a scale of 1 and applied what we had learnt about tally charts on Monday. Today we will look at scaled pictograms.

Here are a few examples of the type we will be looking at.

Here is an example of a pictogram with a different scale.

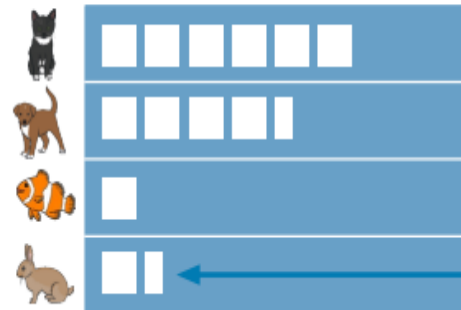
Traffic Survey



Key ● = 5 vehicles

This pictogram uses one symbol to represent 2 pets.

Class 1's Pets



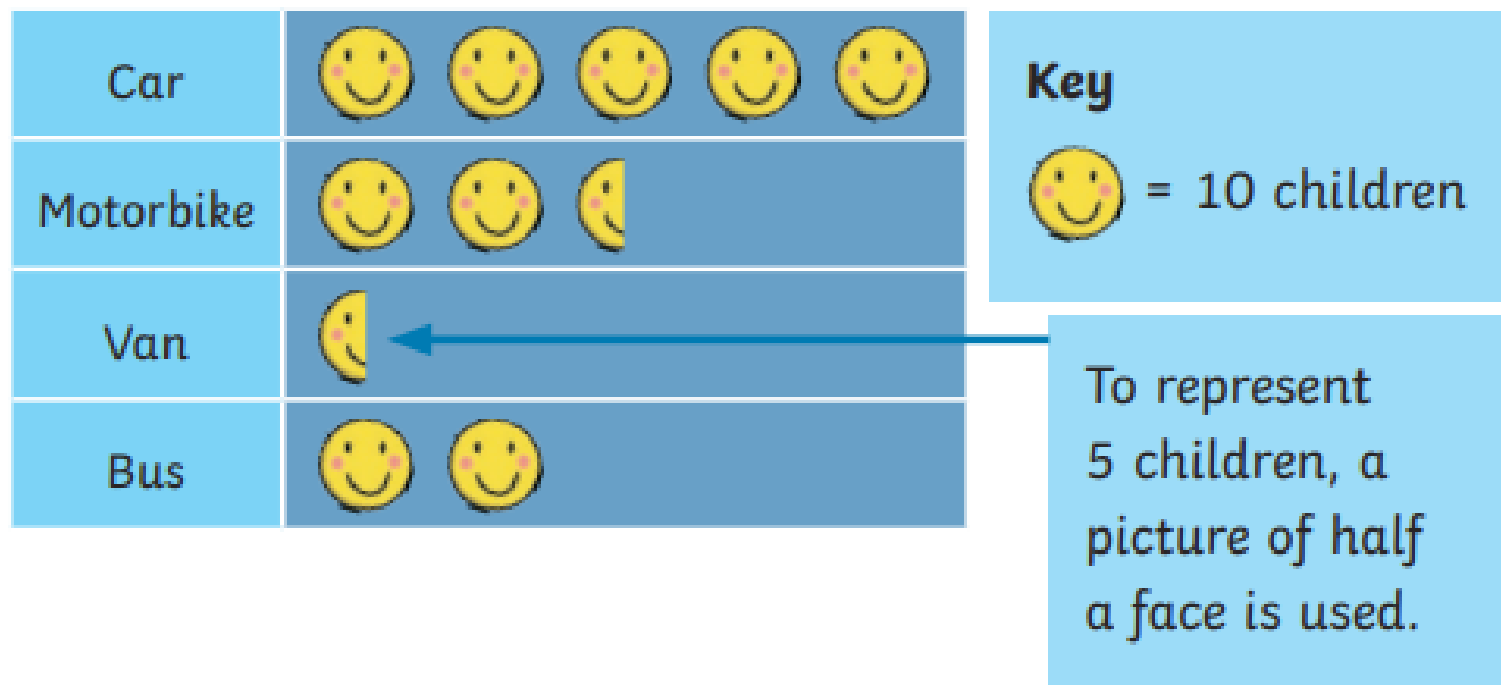
Key

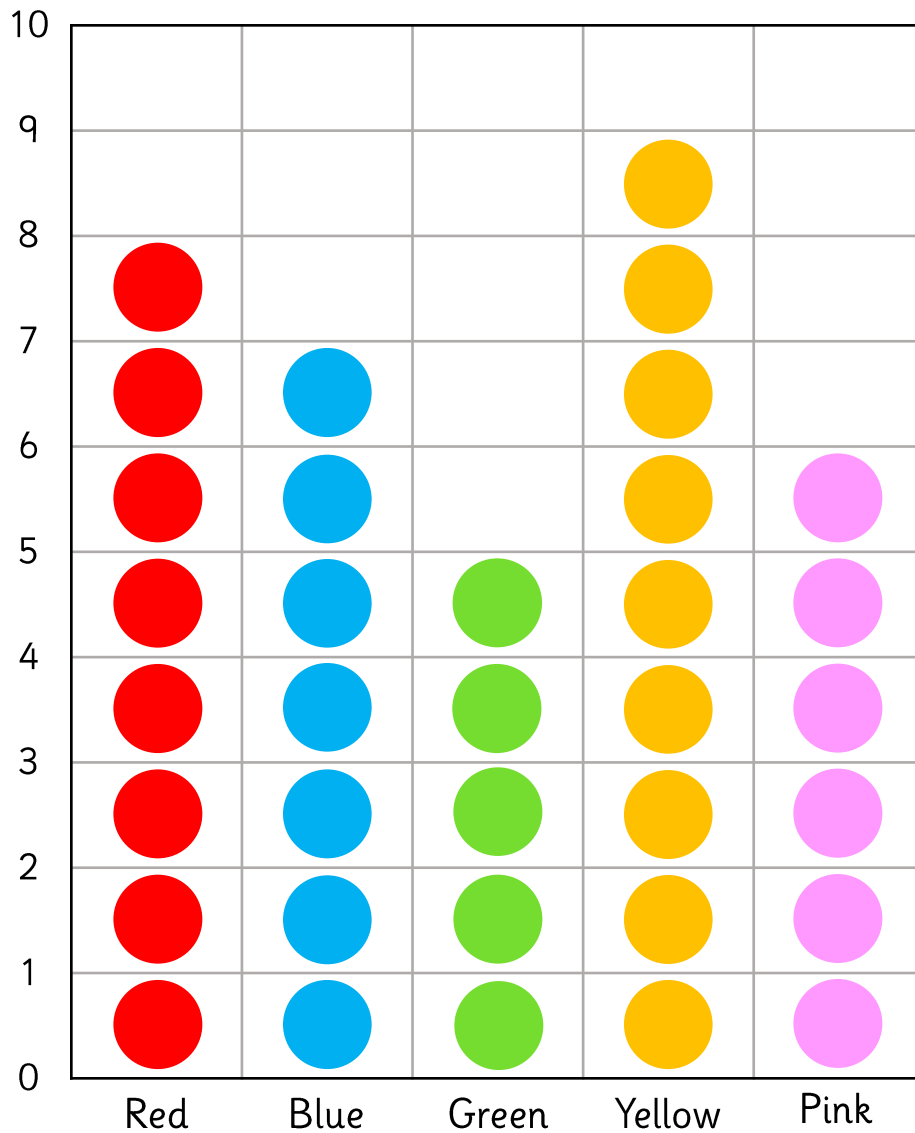
□ = 2 pets

To represent 1 pet, a picture of half a square is used.

This pictogram has one symbol to represent 10 children.

Ways of Travelling to School



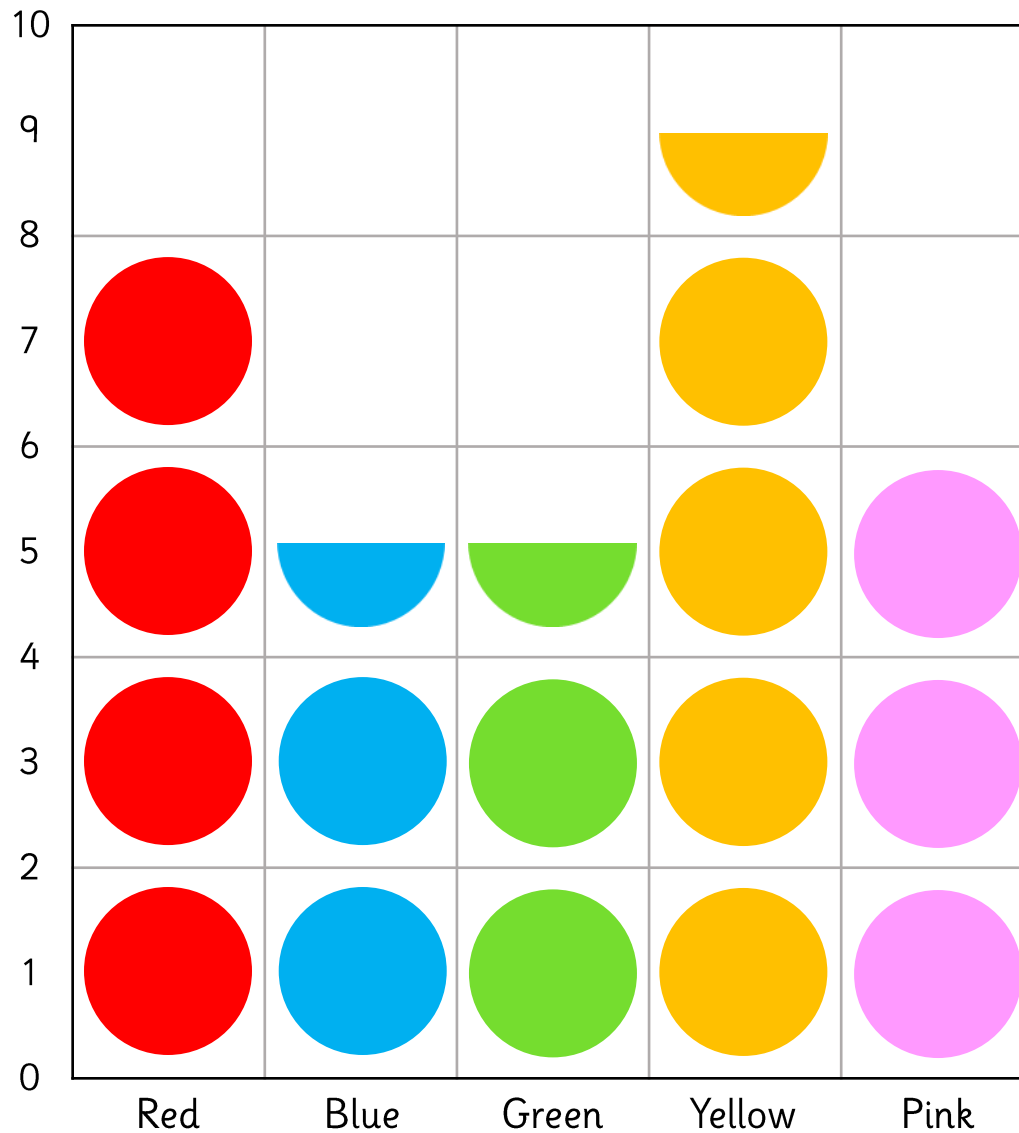


Favourite Colour

Here is a pictogram showing children's favourite colours.

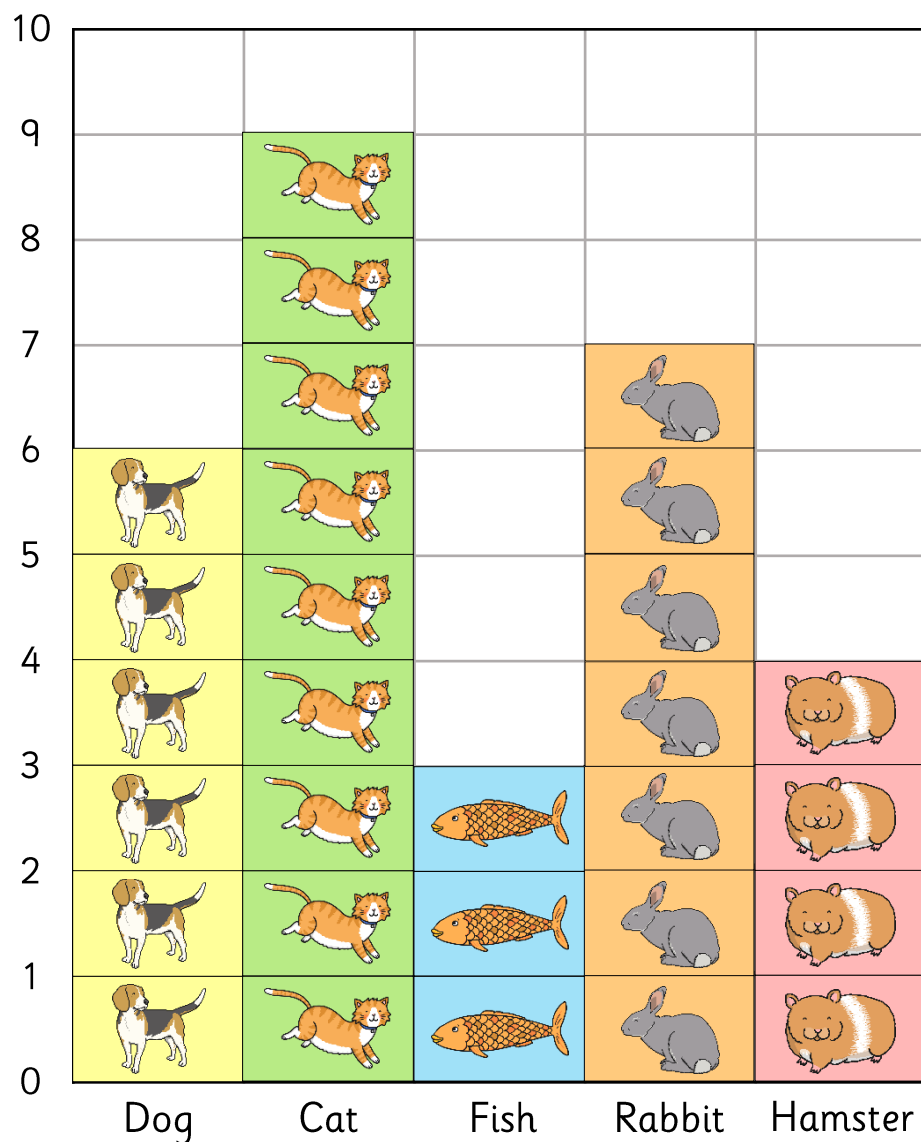
Each circle represents 1 child's choice.

Favourite Colour



Here is the same pictogram with 1 circle representing 2 children's choices.

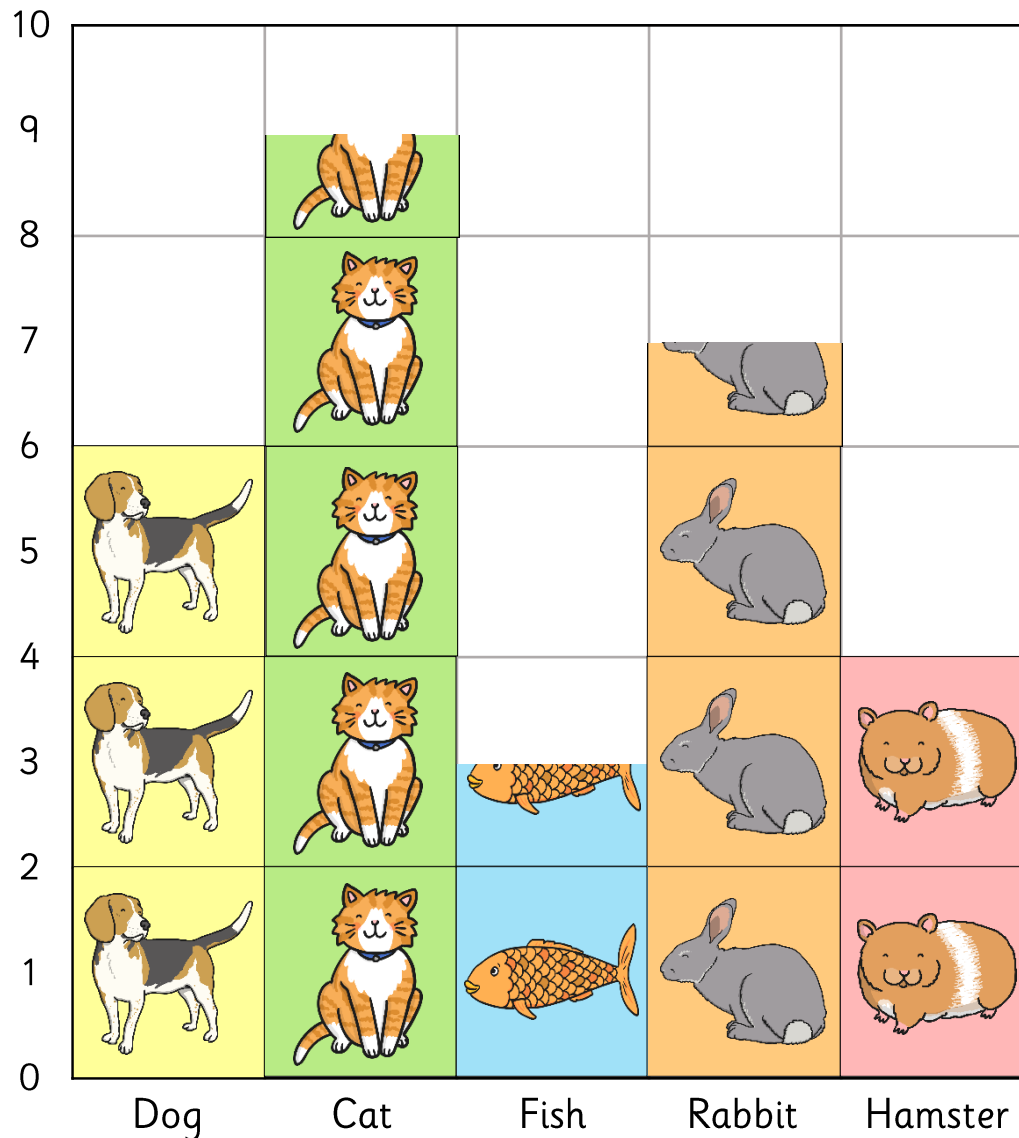
If there is an odd number, we use half a circle to mean 1 child.



Class Pets

Here is a pictogram showing children's pets.

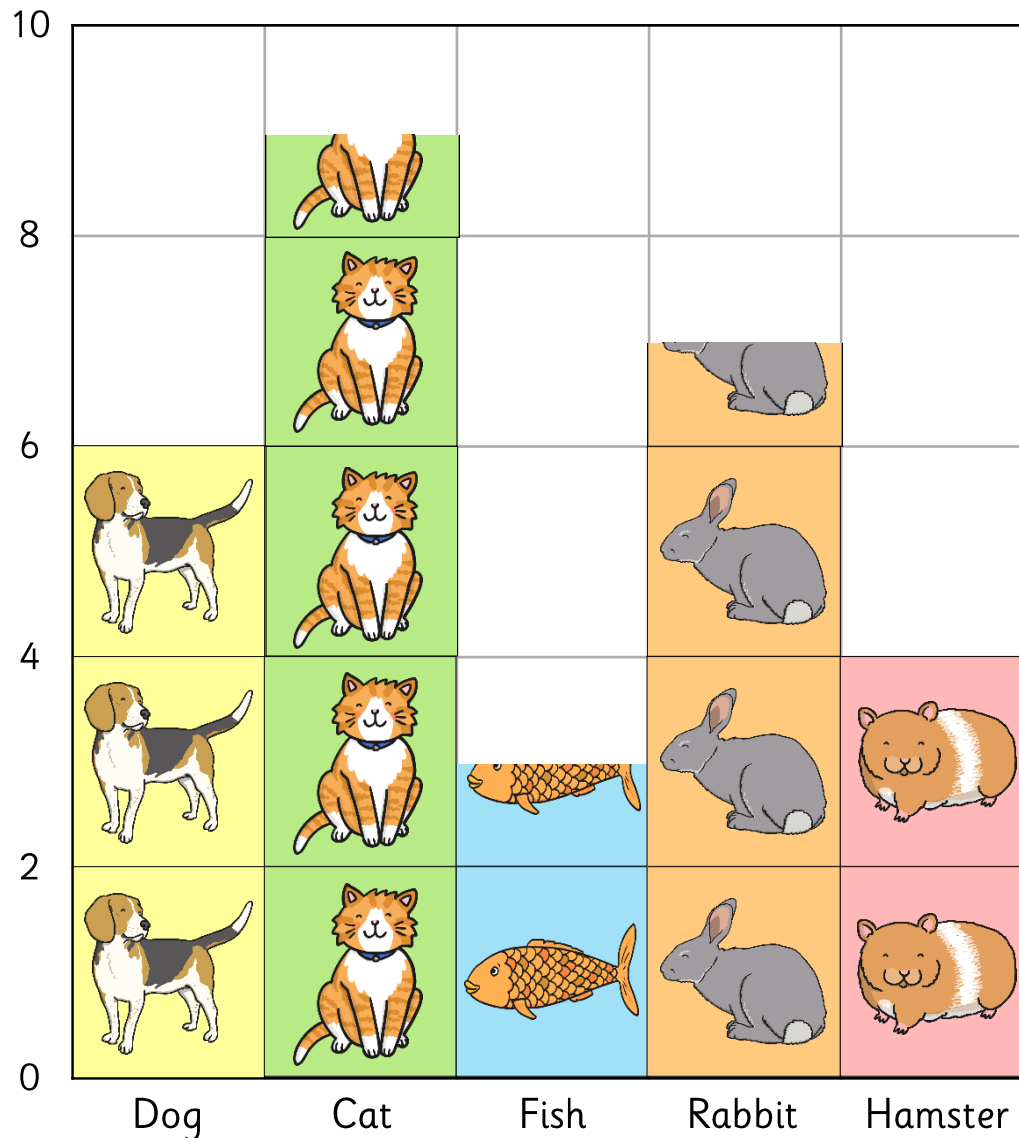
Each picture represents 1 pet.



Class Pets

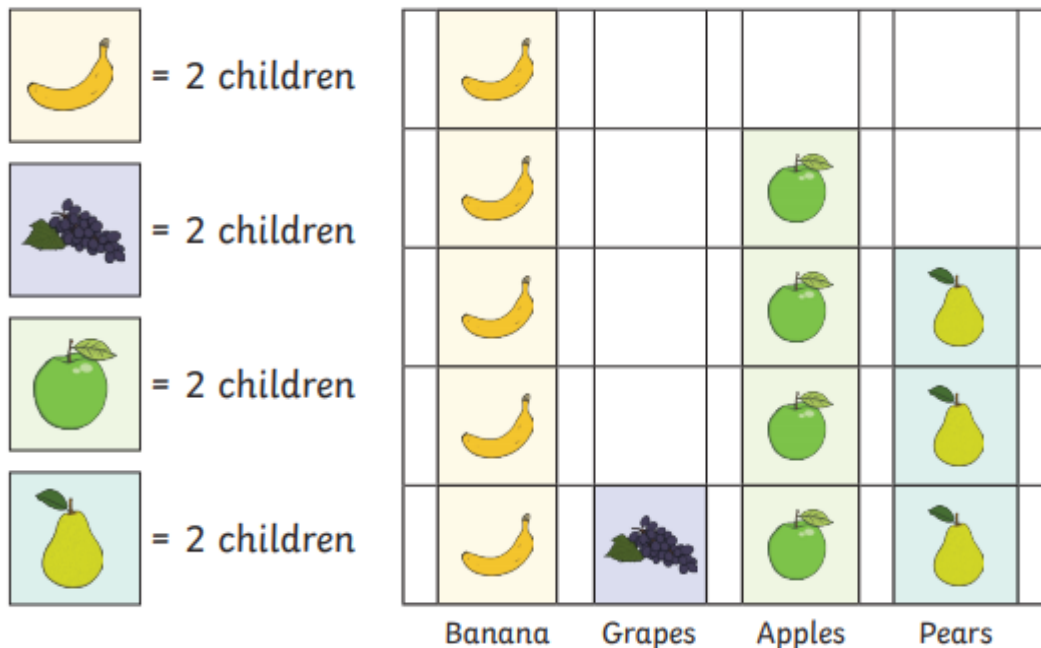
Here is the same pictogram with 1 picture representing 2 pets.

For odd numbers we can use half a picture to mean 1 pet.



Class Pets

Here is the same pictogram with the number scale changed to only show the even numbers.



Answer the following questions.

What is the favourite fruit? _____

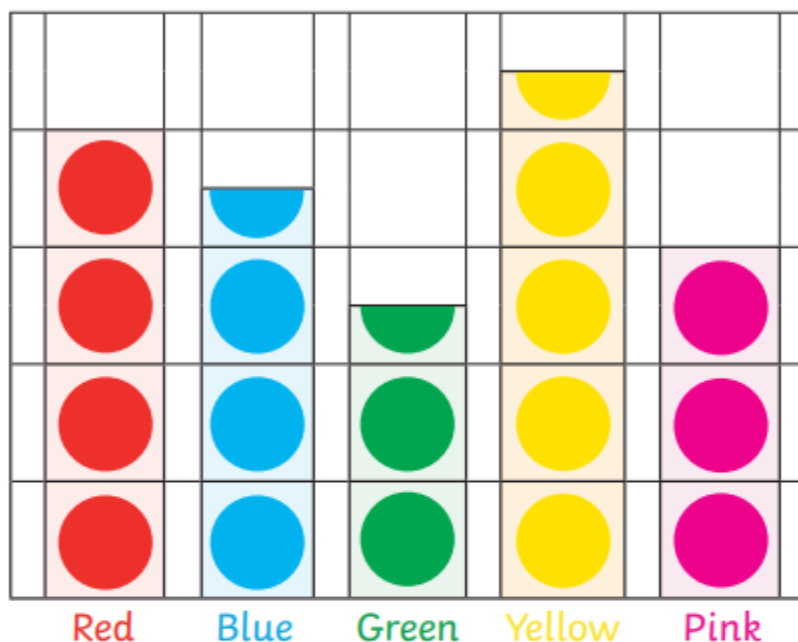
How many children chose apples as their favourite fruit? _____

How many more children chose bananas than grapes, as their favourite fruit? _____

How many children chose apples or pears as their favourite fruit? _____



Favourite Colour



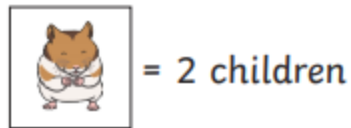
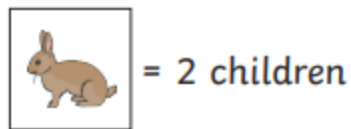
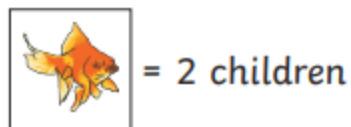
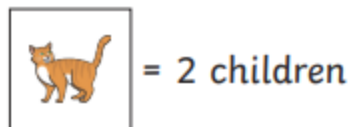
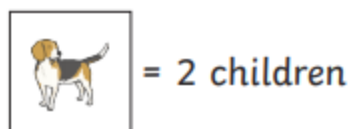
Answer the following questions.

What is the least favourite colour? _____

How many children chose yellow as their favourite colour? _____

How many fewer children chose green than blue as their favourite colour? _____

How many children chose pink and red as their favourite colour? _____



Class Pets

Dog	Cat	Fish	Rabbit	Hamster		

Answer the following questions.

Which is the most common pet? _____

How many pets are there in class? _____

How many more rabbits than hamsters are there? _____

How many fewer dogs than cats are there? _____

Now complete the interpreting pictogram work cards, remember to look carefully at the key and the scale.

Interpret Pictograms (2, 5 and 10)

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	●

Key: ● = 5 children

Brody's Pictogram

Pet	
Rabbit	■ ■
Cat	■ ■ ■
Hamster	■
Dog	■ ■ ■
Goldfish	■

Key: ■ = 10 children

Our pictograms look different.

One of us must have made a mistake.

Do you agree? Explain your answer.