

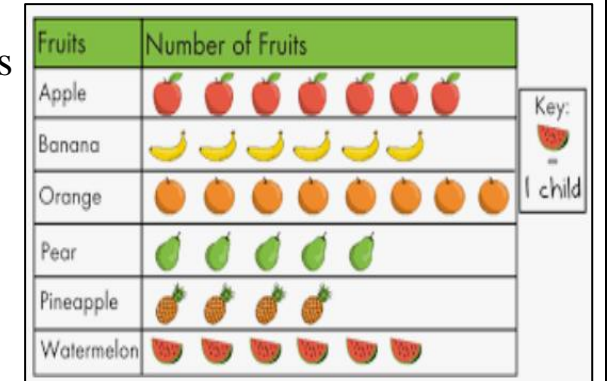


What should I already Know?

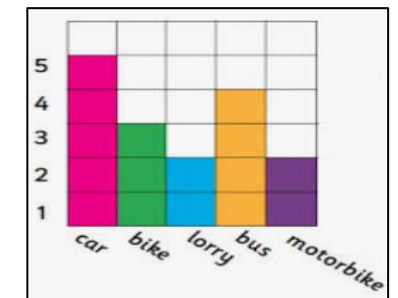
- I know how to group data
- I can group data by discussing a group of objects based on its features such as:
 - Colour
 - Size
 - Animal
 - Food type
 - Vehicle type
- I know what is meant by the word 'vote'.

Pictograms and Block Diagrams

-Pictograms: A pictogram is a chart that uses pictures to display data.

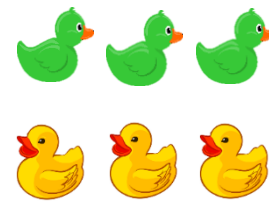


-Block Charts: Block charts work in a similar way to pictograms, except each object is presented as a block.



Grouping, Counting and Tallying

Computers can help us by allowing us to put different objects into groups.



-Counting: Computers can be programmed to count the amounts in each group.

Jamie	✓
Elizabeth	✓
Ella	✗
Harry	✓
Marcus	✓

In school: 4 Absent: 1

-Tallying: Tallying helps us to record as we count. We chunk into groups of five!



-Tally Charts: Tally charts are used to collect data about the number in each group quickly.

Animals	Tally Marks
Tiger	
Giraffe	
Elephant	
Deer	

Presenting and Using Information

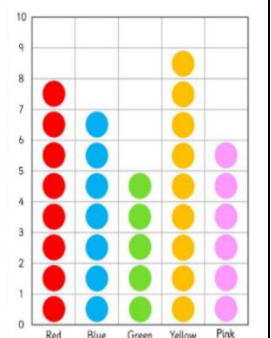
-Computer programs such as *j2data* can help us to create pictograms and block charts.

-Using Data: There should be a reason to collect data, and so it should be easy to read.

Answering Questions

-Pictograms can be used in order to answer questions and solve problems.
-Examples may include:
-Which colour was the most popular?

Which colour was least popular?
-How many more chose yellow than chose pink?



Important Vocabulary

Concepts

Tally chart

Pictogram

Compare

Difference

Most/least popular

Block diagram

**COMPUTER
SCIENCE**

**INFORMATION AND
COMMUNICATION**