



Waterbeach Community Primary School

Curriculum Capture for Year 2

Computing: Data and Information-Pictograms

Key Knowledge

How do I count and compare objects using tally charts?

When you have lots of objects to count and compare, it helps to organise and record the data using a tally chart.

A tally chart can help you to count and compare the data more effectively so you do not have to remember it all in your head.

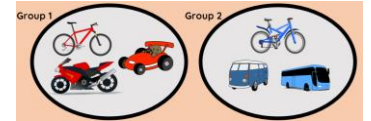


When collecting the data, each occurrence is shown by a tally mark and every fifth tally is drawn diagonally to make a "gate" of five. The tallies can then be counted to give the frequency.

What is an attribute?

An attribute is a way to describe an object. We can group objects using different attributes and we can group them in different ways. We might not always choose to group objects using the same attribute as other people.

These objects have been grouped by colour.



These objects have been grouped by number of legs.

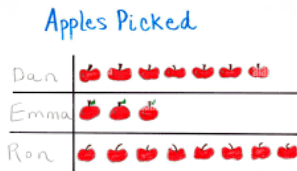


The attribute of a group can only be **one thing** so you will need to look carefully at the objects to spot patterns.

What is a pictogram?

A pictogram is a chart which uses pictures or symbols to represent data so you don't have to look at lots of numbers. In a pictogram, pictures are used to stand for quantities. A picture can stand for one thing or a number of things.

All pictograms should have a key. A key shows you what each symbol represents.



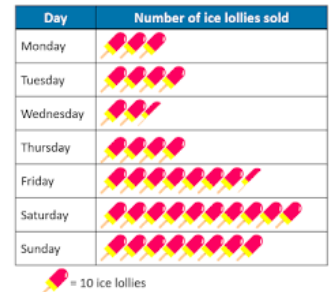
What can I learn from the data?

After collecting and representing data, we can begin to analyse the data to see what we can learn from it.

You might be able to ask and answer questions such as:

On which day were the most/least ice creams sold?

How many ice creams were sold in total over the weekend?



Vocabulary

Data Is information or facts you find out or are given. Data can be words, numbers or a mixture of both.

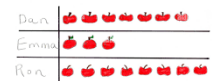
Tally Chart A tally chart shows information in an orderly way. A tally is a mark which shows how often something happens.



Pictogram In a pictogram pictures are used to stand for quantities. A picture can stand for one thing or a number of things.

-Video explaining pictograms: <https://www.bbc.co.uk/bitesize/clips/zg4d2hv>

Apples Picked



Useful Website

J2Data - a useful, child-friendly website where children can create a pictogram <https://www.j2e.com/j2data/>