

Year: 1

Term: Spring 2

Topic: Data and information - Grouping data



Data can be numbers, words or pictures. **Information** is what we can understand from looking at data.

Objects can be **labelled** using either their names or **describing their properties**.

Labels can be used to **place objects into groups**. This helps us to **count and compare** data easily, through looking at **similarities and differences**.

Labels are all around us!

Labels are the names that we give to things so that we can easily identify them.

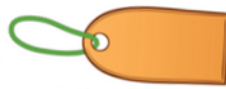
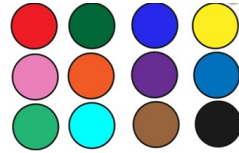
On computers, we can label different objects so that the computer knows what they are.

Properties: Objects have different properties (features) that we can choose to label them by.

Some examples of the properties of an object include its size, its colour and shape.

Grouping: The same objects can be put into different groups, depending upon their properties. Computers can help us by allowing us to put different objects into groups. For example, a computer can be asked to group all of the pictures that have a certain name bel, e.g. 'duck', or property, e.g. yellow.

Counting: Computers can be programmed to count the amounts in each group. For ample, when your teacher takes the class register, the computer program can count many ticks and crosses there are, to tell the teacher how many children are in school.



Describing: Objects can be described by their name labels and their properties.

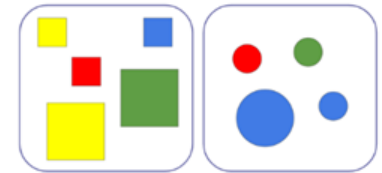
The picture here could be correctly labelled as 'dog', 'Labrador' or 'animal.'

Use describing adjectives for accuracy, e.g. big, circular, blue, old, thin, long, heavy etc.



| | |
|--------------|-----------|
| Jamie | ✓ |
| Elizabeth | ✓ |
| Ella | ✗ |
| Harry | ✓ |
| Marcus | ✓ |
| In school: 4 | Absent: 1 |

Comparing is when we look at what is similar (the same) and what is different between objects. You can compare objects or groups of objects (ore than, less than, the same as, least, most, bigger, smaller, older, younger, longer, shorter, wider, thinner)



Objects can be grouped in order to answer questions and solve problems. For example, if asked how many orange items there are below, you could group them into 'orange' and 'not orange.' To find out if there is more fruit than vegetables, you could group them into 'fruit' and 'vegetables'.

