Grouping data

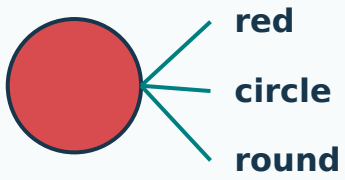
Year 1 Computing | Knowledge organiser

We can label, sort and count objects to answer questions.

Words to know

Object: something we can name and describe.
Property: a feature, such as colour or shape.
Label: a word used to describe an object or group.
Group: objects that share a property.
Data: information we collect about objects.

One object has many labels



This object can go in the red group.
It can also go in the circle group.
We choose a property to sort by.

Grouping on a computer

We can drag and drop pictures into groups.
Labels help us find pictures and group data.
A computer follows the instructions we give it.

Answer questions about groups

Which group has the most? Which has the fewest? Do any groups have the same number?

Group objects in different ways

Sort by colour

Red



3 objects

Blue



2 objects

Sort the same objects by shape

Circles



3 objects

Squares



2 objects

The labels change. There are still 5 objects.

Count and compare

Count each object once. Record the total.
There are more red objects than blue objects.
There are fewer squares than circles.

Is red or is not red

Ask: Is it red? Put it in the matching group.
Every object here is either red or not red.

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