

## Year 3 Statistics

### National Curriculum Aims

- To interpret and present data using bar charts, pictograms and tables.
- To solve one-step and two-step worded problems.

### Key Vocabulary

table	A list of numbers or information in rows and columns.
bar chart	A diagram used to represent information using rows of horizontal or vertical bars.
tally	To count by making marks.
pictogram	A chart using pictures or symbols to represent numbers of items. Each symbol represents a certain number of items.
axis/axes (plural)	The horizontal or vertical line on a graph.
interpret	To explain and to describe something.
frequency	The number of times something happens.
survey	This involves collecting data so it can be displayed and interpreted.
data	A set of numbers or information that can be collected, measured or recorded.



### Home Learning

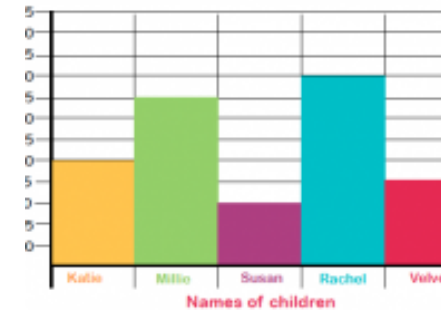
- When you're in the car you could record how many cars you see in different colours and record in a bar chart.
- Tally the birds you see in your garden.

### Core Knowledge and Representations

#### Pictograms

Colour	Number of Smarties	Frequency
Green		7
Orange		8
Blue		5
Pink		6
Yellow		11
Red		8
Purple		7
Brown		3
Key:  = 2 smarties		

#### Bar chart



#### Tables

### Recording Data

- All measurements in an investigation need to be recorded:

Table 1.- Hours of sunlight and plant growth in 7 days

- Data table
- Chart
- Notebook

Plant	Hours/day	Growth (cm)
1	6	3
2	4	7
3	2	4
4	1	1
5	0	1

#### Line Graphs

