

## Knowledge Organiser

Year Group	Subject	Topic
Year 2	Maths	Statistics


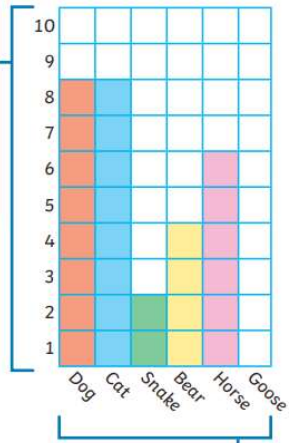

### The Big Picture

Children will be able to collect and sort data into pictograms (which show data as a series of pictures), bar charts (showing data as solid coloured blocks) and tally charts or tables (which show data by number or by using a simple tally mark).

### Sequence of learning

## Small Steps

- Make tally charts
- Draw pictograms (1-1)
- Interpret pictograms (1-1)
- Draw pictograms (2, 5 and 10)
- Interpret pictograms (2, 5 and 10)
- Block diagrams

Statistics		Knowledge Organiser																		
Key Vocabulary	Tally Charts	Block Diagram																		
data	<p>Tally marks look like this:</p>  <p>The fifth mark goes across diagonally, like a gate.</p>	A block diagram represents data using blocks. One block represents one item.																		
interpret		<p>In this block diagram, the <b>y-axis</b>, which is vertical, shows the number of items.</p> 																		
key																				
tally chart																				
pictogram	A tally chart is one way of collecting data using tally marks.																			
block diagram	<table><thead><tr><th>Eye Colour</th><th>Tally</th><th>Total</th></tr></thead><tbody><tr><td>brown</td><td>     I</td><td>6</td></tr><tr><td>blue</td><td>     III</td><td>8</td></tr><tr><td>green</td><td>   </td><td>3</td></tr><tr><td>grey</td><td>    </td><td>4</td></tr><tr><td>hazel</td><td>    </td><td>5</td></tr></tbody></table>	Eye Colour	Tally	Total	brown	I	6	blue	III	8	green		3	grey		4	hazel		5	
Eye Colour	Tally	Total																		
brown	I	6																		
blue	III	8																		
green		3																		
grey		4																		
hazel		5																		
table																				
total																				
compare																				
symbol																				
																				

Pictograms

Pictograms use pictures or symbols to represent data. Each picture or symbol can represent one item or more than one. The key shows what each symbol represents.

Favourite Colour

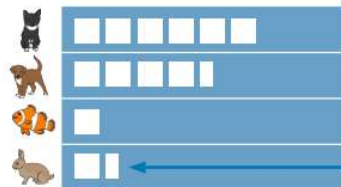


Key

● = 1 child

This pictogram uses one symbol to represent 2 pets.

Class 1's Pets



Key

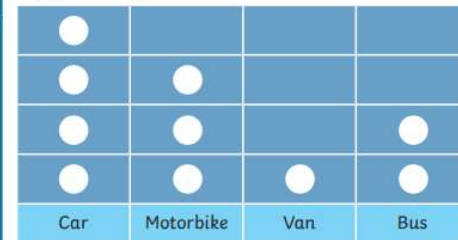
□ = 2 pets

To represent 1 pet, a picture of half a square is used.



Here is an example of a pictogram with a different scale.

Traffic Survey

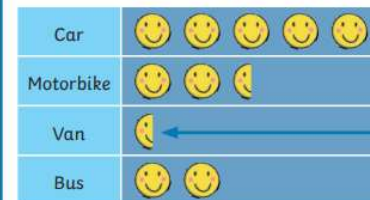


Key

● = 5 vehicles

This pictogram has one symbol to represent 10 children.

Ways of Travelling to School



Key

😊 = 10 children

To represent 5 children, a picture of half a face is used.