

Year 2 - Statistics

National Curriculum Aims

- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- ask and answer questions about totalling and comparing categorical data.

Key Vocabulary

| | |
|-----------------|--|
| axis | An axis is the horizontal or vertical line on a graph. The x-axis is the horizontal axis and the y-axis is the vertical axis. Axes is plural (more than one). |
| bar chart | A bar chart is a diagram used to represent information using rows or horizontal or vertical bars. The bars have equal width and the length of each bar shows a certain amount. |
| block graph | A block graph uses blocks to represent statistical data. |
| Carroll diagram | A Carroll diagram is a grid used to sort things into groups or sets. |
| least popular | The smallest amount. |
| most popular | The biggest amount. |
| pictogram | A chart using pictures or symbols to represent numbers of items. |
| represent | A symbol or letter can be used to represent numbers. |
| table | A table is a list of numbers or information in rows and columns. |
| tally | To tally is to count by making marks in sets of 4. |
| Venn diagram | A Venn diagram is a way of showing how different things can be sorted into groups. |



Home Learning

- Draw a pictogram of your friend's pets.
- Make a tally to record the different colour cars that pass your house.

Core Knowledge and Representations

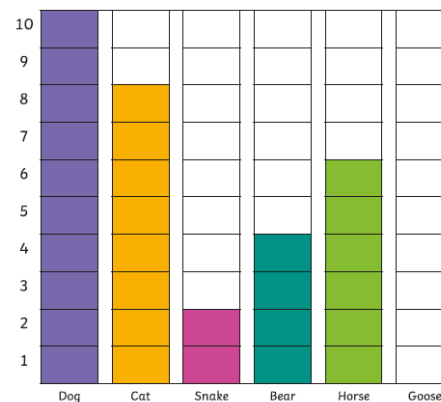
Block Diagram

A block diagram is used to clearly display results and information.

Types of items are shown on the x axis, which is horizontal.

The number of items are shown on the y axis, which is vertical.

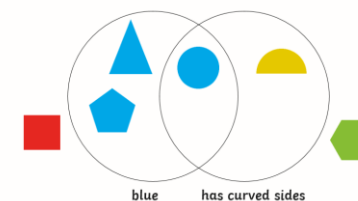
One block represents one item. It is quicker to compare results using a block diagram than a table or tally chart.



Carroll Diagram

| | | |
|-----------|------------------------------|-----------------|
| | has at least one curved side | no curved sides |
| green | | |
| not green | | |

Venn Diagram



Tally

| Favourite Animal | Number of Children |
|------------------|--------------------|
| Dog | |
| Cat | |
| Snake | |
| Bear | |
| Horse | |
| Goose | |

Pictogram

A pictogram uses pictures to represent data. It is quicker and easier to interpret the results in a pictogram than in a table or tally chart.

| Favourite Animal | Number of Children |
|------------------|--------------------|
| Dog | |
| Cat | |
| Snake | |
| Bear | |
| Horse | |
| Goose | |