



## MATHS KNOWLEDGE ORGANISER

ESSENTIAL VOCABULARY	
<b>Information</b>	Something we find out about someone or something.
<b>Tally chart</b>	A tally chart is one way of collecting data using tally marks.
<b>Pictogram</b>	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.
<b>Data</b>	A collection of facts , data or numbers.
<b>Block diagram</b>	A block diagram represents data using blocks. One block represents one item.
<b>Sort</b>	Place numbers , objects or items into a specific group.
<b>Representing</b>	A way of presenting information.
<b>Gathering</b>	Collecting information.
<b>Interpret</b>	Make decisions or choices about information.
<b>Table</b>	How data or information is displayed.
<b>Total</b>	Final amount when everything is worked out.

### Visual Representation and Key concepts

**Number of Animals.**

Tally marks look like this:

The fifth mark goes across diagonally, like a gate.

A tally chart is one way of collecting data using tally marks.

Eye Colour	Tally	Total
brown		6
blue		8
green		3
grey		4
hazel		5

**Ways of Travelling to School**

car	😊😊😊😊😊	<b>Key</b> 😊 = 10 children  To represent 5 children, a picture of half a face is used.
motorbike	😊😊😊	
van	😊	
bus	😊😊	

### Stem Sentences

I can see that the tallest bar means.....?  
 I can see that the shortest bar mean.....?  
 More people liked.....than.....

### Key concepts

**Favourite Colour**

**Key**  
 ● = 1 child

### National Curriculum Links

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 .

### Maths Mastery

Five more people were surveyed about their favourite fruit.  
 3 people liked bananas best, 1 person's favourite was pears and the other liked kiwi best.

Add this data to the block graph and explain how it has changed the results.