



Statistics we learn to:

-Interpret Charts

-Compare/ Find the sum/ Find the difference

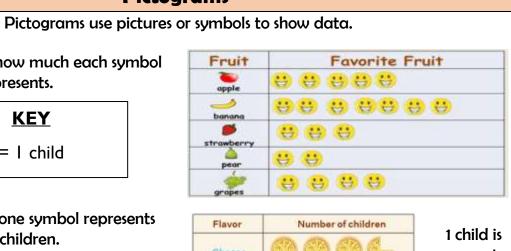
-Understand Line Graphs

This learning is important because...

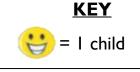
It also helps us to think critically to solve problems.

KNOWLEDGE ORGANISER

Pictograms



The key shows us how much each symbol represents.





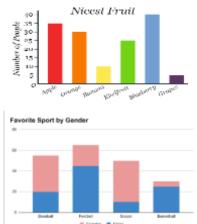
In this pictogram, one symbol represents four children.

This helps the pictogram creator to fit more data onto a smaller, simpler pictogram.

he key helps to show us how many children chose each flavour, e.g. 5 children chose BBO chicken.



-Bar charts show us the data in each category by using rectangular bars. They have a horizontal axis (across) and a vertical axis (running up and down).



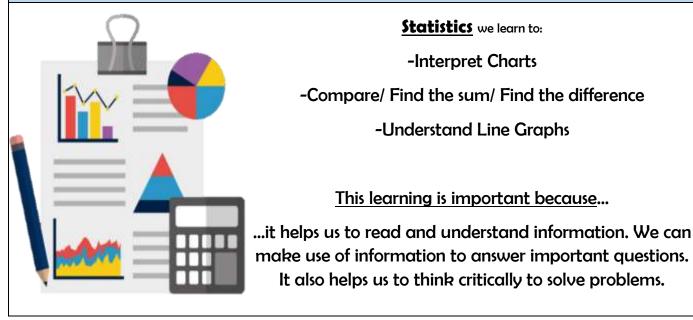
-Remember that there should be a space between each bar.

-Stacked bar charts show two sets of data. The example on the left shows the favourite sports of females and males.

-Some bar charts can have horizontal bars (see right).

				к	ey Vocabulary			
Data	Tally Chart	Bar Chart	Frequency	Table	Continuous	Discrete	Horizontal Axis	Ve

Overview



Tally Charts and Tables

-Tally marks are a useful way of tracking scores. Tally marks look like those shown on the right. The first four marks are straight vertical lines. The fifth line goes across diagonally, like a gate.

-Tally charts are one way of collecting data with tally marks.

-The tally chart on the right shows different transport methods to and from school for children in a class.

The frequency column is completed after all the data has been collected.

-Tables need to have clear titles and headings so that we can understand the data.

-The table on the right shows the different medals won by each country.

-Using this table, we can see that Kenya won the most gold medals, but Japan won the most medals in total.

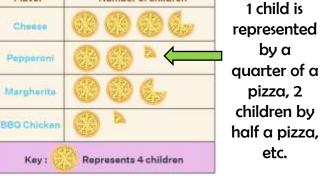
Country	Gold	Silver	Bronze	Total
Brazil	9	20	9	38
Egypt	7	16	10	33
Japan	8	16	19	43
Kenya	11	3	16	30
Norway	8	14	14	36
Thailand	6	23	2	31

Transport	Tally	Frequency
Walk	JRF JRF III	13
Bus	JHT II	7
Cat		- 4
Oike .	JHT .	- 5
Train	1	1

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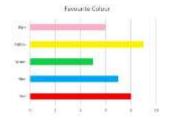
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Year 4

-The scale for each bar chart can change depending on the range of data. The bar chart on the left uses a scale of 5.



Jertical Axis

Scale

