

Year 5 Statistics

National Curriculum Aims

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

-Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and line graphs.

-Complete, read and interpret information in tables including timetables.

Key Vocabulary

Statistics: how to collect, analyse, summarise and present data

Plot: To draw on a graph or map.

Sum: The result of adding two or more numbers.

Difference: The result of subtracting one number from another.

Axes: (Plural of axis)

the "x" and "y" lines that cross at right angles to make a graph

x: Horizontal axis y: Vertical axis

Scale . It's the relation between the units you're using, and their representation on the **graph**.

Discrete data: Data that can only take certain values.

For example: the number of students in a class (you can't have half a student)

Continuous data: Data that can take any value (within a range).

Example: People's heights could be any value (within the range of human heights), not just certain fixed heights.



Home Learning

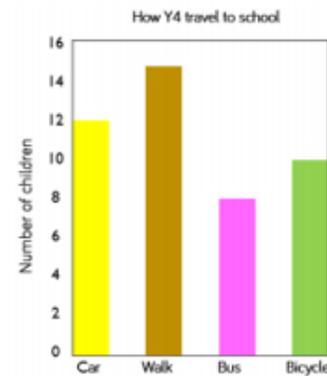
- To explore real life examples of graphs and tables (eg. Met office website, TV guide, bus & train timetables)
- Explore questions on core knowledge section

Core Knowledge and Representations

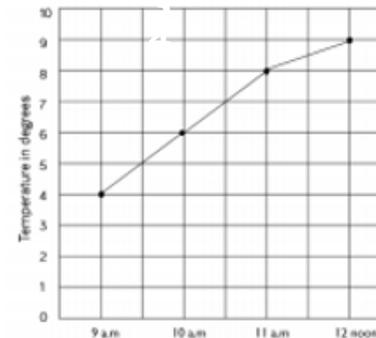
Questions to explore: 'Bar Graph'

What different ways are there to present data? What do you notice about the scale of the bar chart? What other way could you present the data shown in the bar chart?

What other questions could you ask about the data? What is the same and what is different about the way in which the data is presented? What scale will you use for your own bar chart? Why?



Line Graph: Temperature in the playground in April



Questions to Explore: 'Line Graph'

How is the graph different to a bar chart? Which is the x and y axis? What do they represent? How would you read the temperature at 9.30 a.m? How would you work out what time it was when the temperature was 7 degrees? What scale will you use for your graph? Why?