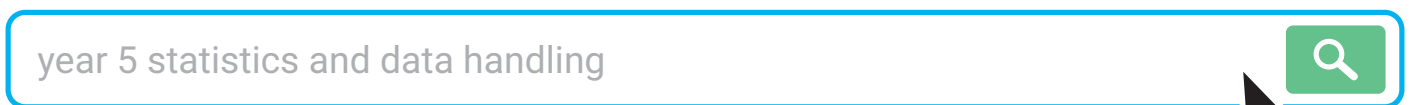


Year 5 Statistics and Data Handling: A Step-by-Step Guide for Parents

This step-by-step explanation to statistics and data handling can help you support your child's learning at home. The subject is broken down into manageable chunks, providing you with a simple guide to follow when exploring statistics and data handling together - either as part of homework or if you decide to give your child some extra support. Whether your child is only just beginning to explore statistics and data handling or they are gaining confidence in this area of maths and want to find out more, you will find a step that matches where your child's confidence is then have ideas for where to go next.

Within **this area of the website**, you will find a selection of resources intended to help your child learn about each step of this guide. Each step also contains a keyword or phrase that you can use to search the Twinkl site for more resources and activities designed to support your child in achieving that stage. Simply type the keyword or phrase into the search bar and press enter to explore together.



We hope you find the information on our website and resources useful. The contents of this resource are for general, informational purposes only. This guide is intended to offer parents general guidance on what subject areas tend to be covered in their child's year group and where they could support their children at home. However, please be aware that every child is different and information can quickly become out of date. There are some subject areas that we have intentionally not covered due to the nature of how they are taught or because a trained professional needs to teach these areas. We try to ensure that the information in our resources is correct but every school teaches the national curriculum in its own way. If you would like further guidance or are unsure in any way, we recommend that you speak to your child's teacher or another suitably qualified professional.

Statistics and Data Handling

What Is Statistics and Data Handling?

When children study statistics and data handling at primary school, they are essentially looking at ways of gathering and recording information then presenting the information in a way which is easy for others to read and understand. Bar charts, line graphs and tables are just some of the formats that children may use to present their information at school during upper key stage 2.

In year 5, your child will learn how to interpret information presented in a line graph and, during lessons at school, may be asked to solve comparison, sum and difference problems using information presented in such a way.

Your child will also look at timetables and may be asked to interpret, read and complete information in a timetable or other information tables. In addition, they will continue to build on their knowledge of statistics and data handling gained in previous years, consolidating their knowledge of discrete and continuous data (see our **Year 4 Statistics and Data Handling: A Step-by-Step Guide for Parents** for an explanation of these types of data) for an explanation of these types of data) as well as comparing and interpreting data in a bar chart, pictogram and table. Take a look at our year 1 and year 2 parent guides on statistics and data handling for a full description of these three ways of representing data..

As well as using the resources in this category and the keyword searches to help your child with statistics and data handling, below are a few ideas of activities to help your child make progress in this area.

Make Your Own Line Chart

Use our **Blank Line Graph Template** to encourage your child to create and draw their own line graph. Collect data (for example, the temperature over a week or the height of a plant as it grows over several weeks), use a suitable scale on the axes of your line graph and then plot your data. Don't forget to give the graph a relevant title and label the axes.

Bus and Train Timetable

Next time you are planning a trip on public transport or waiting for a bus, ask your child to interpret the timetable. Get them to tell you when the next bus or train will arrive and what time it will reach your destination. Can they tell you how long the journey will take? What are the stops along the way?

Table Challenge

Encourage your child to tell you where you can see examples of information tables being used in real life. Can they collect some or can they find them on the internet? Can they formulate some questions they could ask a friend about information in the table?

Create a Statistics Dictionary

Challenge your child to create a mini dictionary of mathematical terms relating to statistics. Can they create precise definitions for the following words: analyse, axes, bar chart, data, interpret, line graph, pictogram, scale, survey, tally, timetable? Can they think of any more terms to use?





Step 1

Read, Interpret and Draw Line Graphs

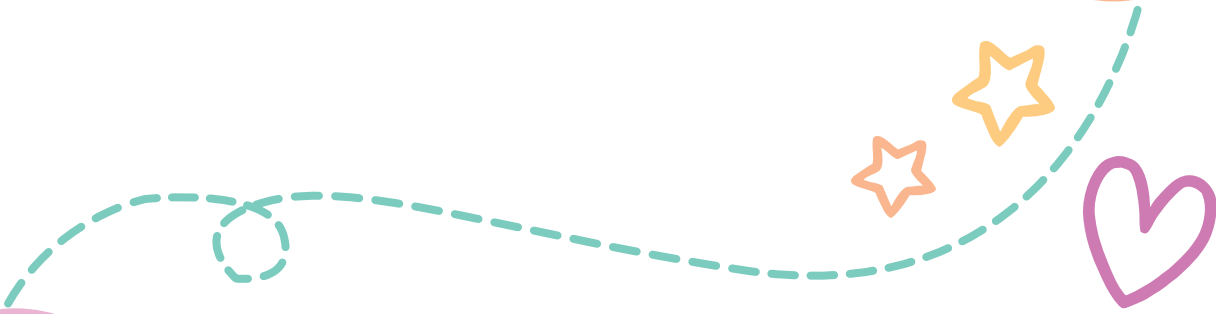
In year 5, children are introduced to the new concept of constructing and interpreting line graphs showing continuous data over time. You can encourage your child to practise this key skill as well as refresh their knowledge of other ways to present data with our **Data Handling Worksheets Pack** and our **Line Graph Home Teaching Tasks**.



Step 2

Read and Interpret Tables, Including Timetables

Encouraging your child to read and understand information tables, including timetables, is a good way of allowing them to make links between maths and how it relates to the 'real world'. You can use our **Train Timetable Worksheets** and **Data Handling Challenge Cards** to help them practise these skills.



Step 3

Mastery Activities

As your child gains confidence with statistics and data handling, you can extend their thinking with these **Line Graphs Challenge Cards** and **Tables Maths Mastery Cards**. These activities are an excellent way of deepening your child's understanding further in this subject.



Explore and Discover More

Twinkl Go! is a digital platform, hosting interactive content such as videos, games, audiobooks and more. Twinkl Go! enables digital content to be streamed to your computer or mobile device.



twinkl
Go!



twinkl
Book Club

Twinkl Book Club is our book subscription service. Enjoy our original works of fiction in beautiful printed form, delivered to you each half-term and yours to keep!



twinkl
Boost

Twinkl Boost is a range of intervention resources, created to support and lift learning with children at every level. These include our easy-to-use SATs and Phonics Screening resources.



twinkl
imagine

Imagine resources are designed to help your children to think creatively, question and imagine. Every week, a new topic consisting of five photos, each with related activities, is created.



twinkl
ORIGINALS

Twinkl Originals are engaging stories written to inspire pupils from EYFS to KS2. Designed to encourage a love of reading and help curriculum-wide learning through accompanying resources.



twinkl
KIDS' TV

Twinkl Kids' TV is our wonderful YouTube channel dedicated to fun and informative video-style resources full of new and creative activities you can try at home!