

Year 2 (Ages 6 to 7) Statistics and Data Handling: A Step-by-Step Guide for Parents

This step-by-step explanation to statistics and data handling will 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 is at 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 statistics and data handling. 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.

Click here



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 However, please be aware that every child is different and information can quickly become out of date.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 are 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. Block diagrams, tally charts, pictograms and tables are just some of the ways children learn to present their information at school during key stage 1.





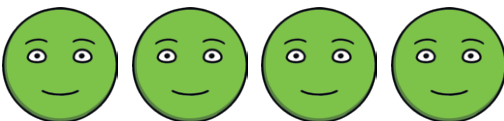
In year 2, your child will learn how to create and interpret simple pictograms, tally charts, block diagrams and tables. They will answer questions about sets of data and may also be asked to compare data.

Pictogram

A **pictogram** is a visual way of presenting data, using pictures to represent objects in a table. Children simply count the objects to interpret how many are represented. As children gain confidence with pictograms, they may be asked to interpret examples where one object on a pictogram might represent several items. Below is an example of a simple pictogram where one image represents one person:



Pictogram to Show a Group of Children's Favourite Fruit

Bananas	
Apples	
Oranges	
Grapes	
Strawberries	

Tally Chart

A tally chart is another way of gathering information using lines to represent numbers. It is another good, visual way to collect and compare data easily. To the right, you can see an example of a tally chart.



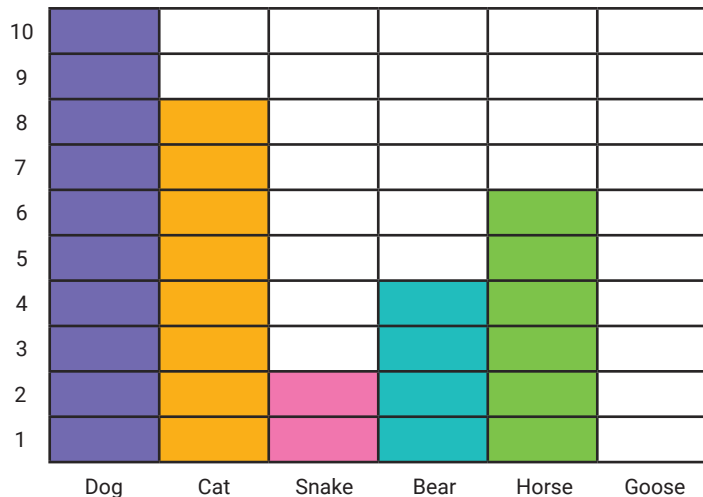
Eye Colour	Tally	Frequency
Blue	IIII	9
Brown	III	10
Green		4

Table

Your child may also be asked to present information in a table, which shows numerical values, such as this table about rainfall in the United Kingdom per year. Your child may also be asked questions about the data contained within it.



	Rainfall (cm)			
	2015	2016	2017	2018
Winter	295	758	354	564
Spring	175	195	185	165
Summer	102	256	454	196
Autumn	554	225	201	876



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 is 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.



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

Conduct a Survey

Encourage your child to conduct a family survey, for example about everyone's favourite animal. Ask your child to present the information in a pictogram then encourage them to generate questions about the data they have collected and answer them.

Block Diagrams with Sticky Notes

Draw an x and y axis on an A3 sheet of paper. Encourage your child to gather information from family and friends about what their favourite sport is, for example running, swimming, tennis etc. Use different coloured sticky notes to represent the sports and use 1 sticky note per person to build a block diagram on the axis to represent the data collected.

Tally Mark Dominoes

Block diagrams are a precursor to learning about bar charts and helps children practise the concept of putting numbers on the y axis (the vertical axis) and object labels along the x axis (the horizontal axis). Our activity sheets provide a range of opportunities for your child to practise this key skill.

Do It with Sweets

Use small sweets to represent objects in a pictogram or block diagram. Use a big piece of paper or mini whiteboard to draw your axes then encourage your child to think of a subject to collect data about, such as family birthday months. Represent the data using sweets.

Step 1

Constructing Pictograms

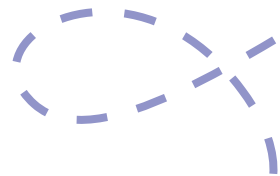
A pictogram uses pictures to represent data. Download our **posters, activity sheets** and **PowerPoints** to support your child's understanding of how to construct and interpret pictograms.



Constructing Tables and Tally Charts

Tables and tally charts are important ways of recording information, clearly showing the sets of data relevant to each item. The resources on our **Parents' Hub** – including worksheets and activity packs – are a fun way to help your child create and understand tables and tally charts.

Step 2



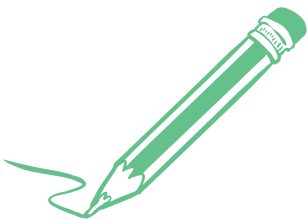
Step 3

Constructing Block Diagrams

Block diagrams are a precursor to learning about bar charts and helps children practise the concept of putting numbers on the y axis (the vertical axis) and object labels along the x axis (the horizontal axis). Our activity sheets provide a range of opportunities for your child to practise this key skill.

Asking and Answering Information About Sets of Data

Block diagrams are a precursor to learning about bar charts and helps children practise the concept of putting numbers on the y axis (the vertical axis) and object labels along the x axis (the horizontal axis). Our activity sheets provide a range of opportunities for your child to practise this key skill.



Step 4

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.



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Go!



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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!



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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.



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



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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!