

Year 1 Measurement, Dimensions, Mass and Capacity: A Step-by-Step Guide for Parents

This step-by-step explanation about measures, dimensions, mass and capacity in year 1 can help you support your child's learning at home. Each subject is broken down into manageable steps, providing you with a simple guide to follow when exploring measures together, either as part of homework or if you decide to give your child some extra support. Whether your child is comparing and ordering measurements (including length, height, weight and capacity), describing different objects as being lighter, heavier, longer or shorter, or they are recognising the different values of coins and notes found in the UK money system and working out how much they have in total, you will find a step that matches where your child is at.

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 However, please be aware that every child is different and information can quickly become out of date.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.

Year 1 Measurement, Dimensions, Mass and Capacity

What Is Measurement, Dimensions, Mass and Capacity?

Measures is all about height, length, width, weight, capacity, money and time. Your child will learn about comparing and measuring different objects and items. They will also explore the different vocabulary of measures (words such as longer, shorter, heavier, lighter, slower, quicker) and use these to make comparisons. They will also begin to use a range of simple equipment to take measures (rulers, tape measures, cubes, measuring jugs, weighing scales, stop clocks).

During year 1, your child will explore money as part of their measures topic. They will begin to recognise and identify the values of different coins used in the UK, solving practical problems and games to sort them. They will also begin to explore the notes that appear in the UK money system.

Your child will learn about the different days, weeks and months in a year, naming them and ordering them. They will recognise events that occur in the mornings and afternoons and sequence events using language like before, after, first, today, tomorrow and in the evening.

At this early stage, your child will begin to tell the time to the hour and half past. They will learn to recognise the rules for identifying o'clock and half past, solving problems involving these times.

As well as using the resources found in this category and the keyword searches suggested, below are a few ideas for games and activities to help your child learn how to learn about measures, dimensions, mass and capacity.

Outdoor Ordering

In the garden or the park, get your child to choose a selection of different things, like stones, twigs and flowers. When your child has finished collecting objects, get them to compare and order them based on length, height and weight. You could ask your child questions such as: Can you sort these stones by weight, lightest to heaviest?

Indoor Ordering

As an alternative to outdoor ordering, this activity can be carried out inside. Get your child to choose different things from around the house, such as, pens, toys and shoes, and compare and order them based on length, weight and height; for example, you could ask: Can you sort these objects by length, shortest to longest?



Time Guesser

To help your child develop a greater understanding of time and to help their estimation of time, you could have a try at this Time Guesser game. Using a timer or watch, ask your child to clap their hands when they think a certain length of time has passed. For example: 'Clap your hands when 20 seconds has passed.' For an extra bit of fun, hold a soft object, like a teddy bear or soft ball. Tell your child you will drop the object after a certain number of seconds. They have to count the number of seconds and get ready to catch the object.

Jelly Hunt

To help your child practise using the language of measures, you could try this jelly hunt game. Place a variety of objects into a container of jelly, before putting it into the fridge to set. Your child then has to dig through the jelly to see if they can find the object that is the tallest and shortest, heaviest and lightest or longest and shortest.

Step 1

Ordering Measures

Measures come in a variety of different forms, whether that's length, weight, capacity or time. At this early stage, your child will begin to learn about comparing and ordering these measurements. They may start to order a set of objects by length or weight, describing which is longest, shortest, heaviest or lightest. They will probably begin to recognise that events happen for different lengths of time and start to describe which are quicker and slower and which happened earlier or later. Colouring worksheets are a nice way for your child to practise these ordering skills, identifying which object is the longest or shortest and using the colour keys to show this.



Measuring

After your child has begun to recognise the different ways that things can be measured, and compared these measurements (including using some of the vocabulary of measures), they will start to take and record their own simple measurements. This will include using simple equipment to take measurements, including rulers, tape measures, cubes, weighing scales and measuring jugs. They may also begin to record time span by counting and using stopwatches to measure how long something lasts for. Using practical measuring activities with your child is a nice way to practise using simple tools to take measurements. Can your child measure a number of different items around the house?

Step 2

Step 3

Coins

At this step, your child will begin to explore the different coins and notes used in the UK money system. They will explore what each coin looks like and how much each one is worth. They will play games to name the coins and do simple adding to make different amounts of money, for example, using coins, they could make 10p in as many different ways as they can. Coin PowerPoints are a great way for your child to practise identifying the values of different coins. How fast can they spot the coin in question?



Step 4

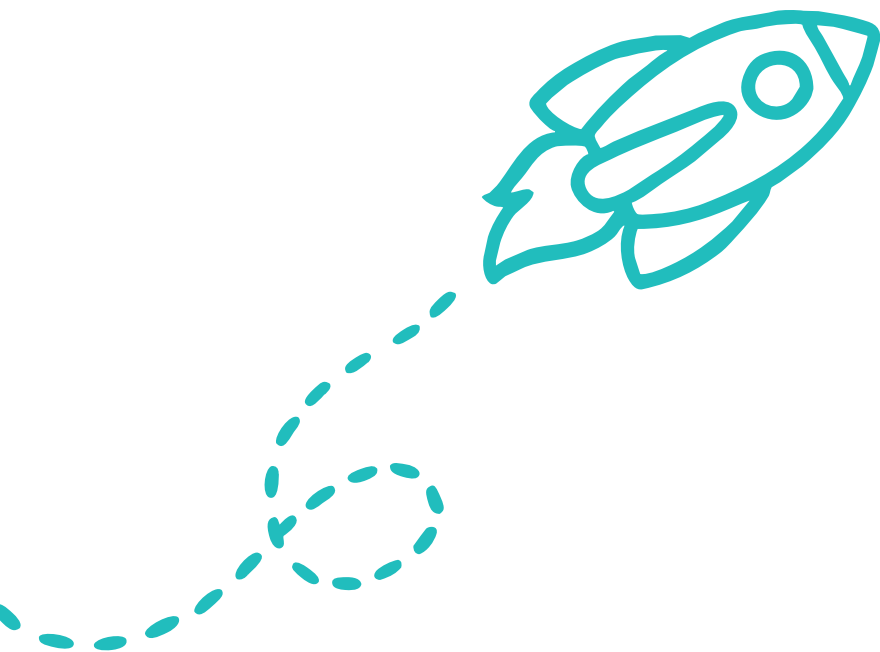
Days and Months

Your child will begin to recognise and use language associated with dates, including days of the week, weeks and months. They will start to name and order the days of the week and months of the year. Building on this, they will begin to sequence events of the day, recognising events that happen before and after another one, events that occur first or last and events that occur today, yesterday or tomorrow. They will also recognise that some events occur in the morning and others occur in the afternoon. These Days of the Week Activity Sheets provide your child with problems and challenges to solve. It gives them a chance to use and apply their developing knowledge of days of the week to puzzles.

Hour and Half Past

Another part of measures is time. At this early stage of key stage 1, your child will probably begin to explore time by reading clocks to the hour and half past the hour. Being able to recognise where the hands are pointing on a clock, to identify o'clock and half past, is a key skill for your child to learn. When the minute hand is pointing to 12, the time is always o'clock and when it points to the 6, the time is always half past. Your child will then need to use the hour hand to work out which o'clock or half past it is. Playing half past and o'clock bingo games is a fun way for your child to explore reading clocks and identifying basic times.

Step 5



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 children 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!