

Year 1 Patterns and Sequences: A Step-by-Step Guide for Parents

This step-by-step explanation to patterns and sequences 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 patterns and sequences, either to support your child's homework or if you decide to give your child some extra support. Whether your child is only just beginning to learn about patterns and sequences, or they are gaining confidence and want further practice, you will find a step that matches your child's level of understanding and then have suggested activities which can be used to support that step.

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.

making patterns and sequences with shapes



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 However, please be aware that every child is different and information can quickly become out of date.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

Patterns and Sequences

What Are Patterns And Sequences?

In mathematics, patterns and sequences often refer to a set of objects – usually numbers – that follow a distinct order or rule. Patterns and sequences are important because, by studying them, they allow us to predict trends and interpret statistics.

Your child may be asked to work out a rule behind a number sequence to find out what is happening each time. For example, in the number sequence 2, 4, 6, 8... the rule is 'add 2' each time. By finding this out, your child will be able to predict what the future numbers in the sequence will be, as well as being able to find missing numbers in the sequence.

In year 1, your child may be asked to make and complete simple patterns using 2D and 3D shapes, focusing on different properties of the shapes, their sizes and colours. They will be encouraged to work out what is happening each time and continue the sequence. They may be asked to repeat further patterns using other objects, such as beads and building blocks.

As well as using the resources in this category, and the keyword searches to help your child learn about patterns and sequences, below are a few ideas for games and activities to help your child practise and become more familiar with the concept of patterns and sequences at home.

Making Patterns

Encourage your child to make patterns using physical objects, such as coins, counters or building blocks. Can they make up a sequence of patterns using different numbers of objects each time? What rule are they applying? What would the next step in the pattern be?

Fruit Kebabs

Have a variety of different fruits and encourage your child to create a fruit kebab using a repeating pattern, for example: strawberry, banana, apple, repeat. (Take care with sharp skewers!)

Take It Outside

Go on a nature trail and create patterns with objects you find on the way, for example: daisy, dandelion, leaf, repeat.

Get Physical

Patterns can be found everywhere. Make patterns by moving around in a sequence, for example: jump, hop, skip, repeat.



Step 1

Making Patterns and Sequences with Shapes

At this stage, your child may be introduced to patterns and sequences when they are studying 2D and 3D shapes. They will be encouraged to look at each shape and think about how many sides and corners it has, as well as its colour and size. Try our selection of activities and games to support your child create patterns and sequences with shapes.



Making Patterns and Sequences with Objects

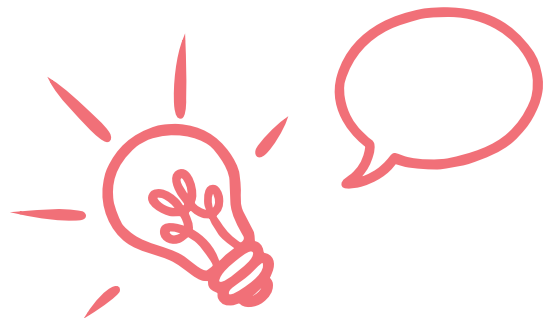
Once your child is confident creating patterns and sequences with shapes, try using other objects around the home. Explore **making patterns with building bricks**, beads or playdough. Search our **Parents' Hub** for inspiration.

Step 2

Step 3

Reasoning and Problem-Solving with Patterns and Sequences

Create two patterns which are similar but different in one small way (for example, one of the shapes is upside down). Can your child explain which pattern is not correct and why? If your child is ready, move on to looking at patterns and sequences with numbers, using our interactive **Hundred Square** as a fantastic visual aid to help your child have a go at the questions on **this PowerPoint**.



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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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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!