

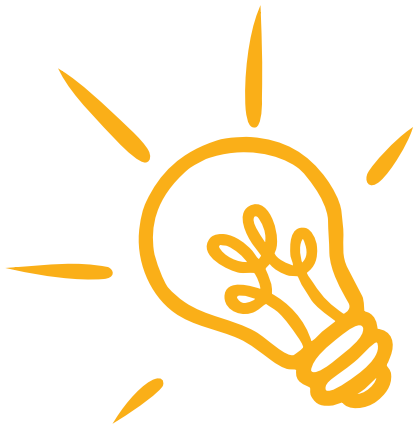
Year 6 Fractions: A Step-by-Step Guide for Parents

What Is This Guide?

This step-by-step explanation to learning fractions can help you support your child's learning at home. Each subject is broken down into manageable chunks, providing you with a simple guide to follow when exploring. Whether your child is just learning to recognise equivalent fractions or they are already confident converting decimals and fractions, there's still a right step for your child in our guide.

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.

Fractions Board Game



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 However, please be aware that every child is different and information can quickly become out of date.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

Year 6 Fractions

What Does the Maths National Curriculum Say about Fractions in Year 6?

In year 6, your child is likely to have met fractions, decimals and percentages. The key to success in the final year of primary school is to ensure your child is secure in these areas. They need to be confident with improper fractions and mixed numbers and how to change one into the other and to be able to convert decimals, percentages and fractions from one form to the other.

What Are Improper Fractions and Mixed Numbers?

An improper fraction is one where the numerator is larger than the denominator. For example, $\frac{7}{4}$ is an improper fraction. This means the value of the fraction is greater than 1.

By this age, most children know that $\frac{4}{4}$ (four-quarters) is 1. This means that $\frac{7}{4}$ is the same as $1\frac{3}{4}$. When we write an improper fraction as whole number(s) with the remaining fraction, we call it a mixed number.

What Are Percentages?

Percentages are just a fraction out of 100. Most adults know that fifty percent is the same as $\frac{1}{2}$. That's because $\frac{50}{100}$ is a half too. We use the '%' sign, which stands for per cent, which also means 'out of 100'. For example, 75% results in 75 out of 100.

How Are Decimals Changed Into Percentages?

Percentages can be changed into decimals or the other way around. In order to change a percentage into a decimal, your child should divide by 100. To change a decimal into a percentage, your child needs to multiply the decimal by 100.

For example, $0.47 \times 100 = 47\%$.

Twinkl Go!

This interactive game on **Fractions, Percentages and Decimals** is free and is a great motivator to support your child with these tricky topics. Give it a go with Twinkl Go!

Fractions Board Game

If you're bored with fractions, then try our **Fractions Board Game**. Simply print and follow the instructions to practise the basics of unit fractions. Great if your child has found the earlier steps of fraction learning tricky before starting this year's steps.

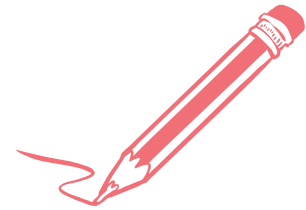
Online Percentage Calculator

If you use a search engine to find a percentage calculator, you can use it to calculate discounts with your child. The calculator will let you work out any percentage of an amount at the touch of a key. Try getting your child to mentally work out simple percentages, such as 25% of £40 and then use the online percentage calculator to check.

Step 1

Improper Fractions

Use this pair of super worksheets to build your child's confidence in improper fractions and mixed numbers. Start with the coloured picture sheet to build up your child's true understanding of the connection between improper fractions (where the top number or numerator is bigger than the denominator) and mixed numbers. Then move on to the number-based sheet afterwards. If you need more support converting from one to the other, run through this colourful presentation with your child and then try the sheet(s) again.



Lowest Common Denominators

Your child is likely to have been adding and subtracting fractions for several years, but by year 6, your child must be able to find the lowest common denominator to carry out these calculations. Take a step-by-step approach to this, using this step's colourful Powerpoint. You'll find plenty of worksheets to apply this knowledge on the Twinkl site.

Step 2

Step 3

Dividing Fractions

This space-themed game will help your child to practise dividing proper fractions by whole numbers and simplifying. If you're not sure how to divide the fraction by a whole number, just print out our colourful Dividing Fractions Poster to show you how and keep it on your working table, so your child can check it as they work.



Step 4

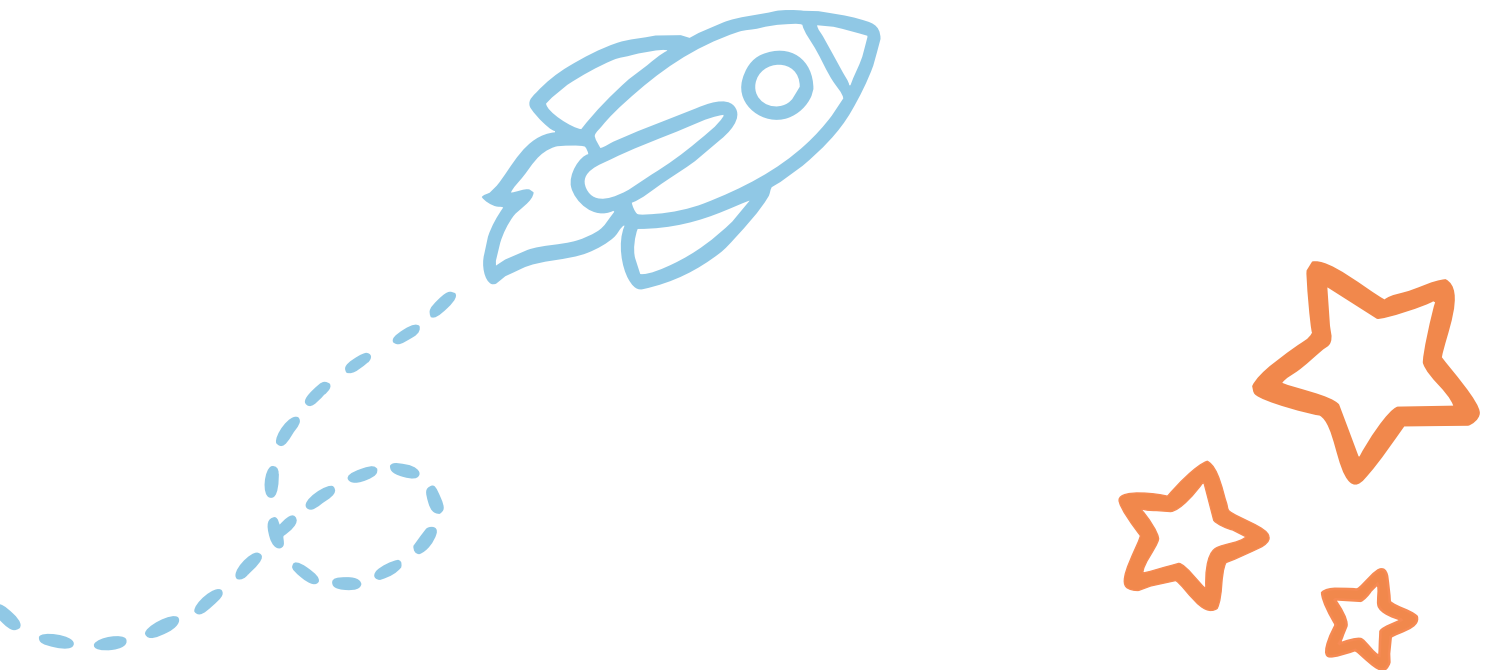
Rounding Decimals

Rounding decimals is an important skill to develop before taking year 6 SAT exams. The activity sheets will help your child to understand how to round decimals to the nearest whole number and to the nearest tenth. There are two activity sheets in the pack and you can start with either rounding to a whole number or rounding to tenths, but it's a good idea to leave the second sheet until another day so that the similar methods are not confused.

Ultimate Challenge

This ultimate challenge sheet is a great assessment to gain an overview of your child's understanding of fractions, decimals and percentages. It can be used a week or two apart to check your child is retaining the skills. Why not time how long it takes your child to complete the sheet and see if this improves with time? This will also help your child to cope with the time constraints of the year 6 tests.

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!