

Year 5 Addition and Subtraction: A Step-by-Step Guide for Parents

This step-by-step explanation to year 5 addition and subtraction 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 learning about year 5 addition and subtraction, either to support your child's homework or if you decide to give your child some extra support. In this guide, 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.

adding whole numbers with more than four digits



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 However, please be aware that every child is different and information can quickly become out of date.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

Addition and Subtraction

What Are Children Taught about Addition and Subtraction in Year 5?

In year 5, children are taught to:

- add whole numbers with more than four digits;
- subtract whole numbers with more than four digits;
- add and subtract numbers mentally with increasingly large numbers;
- solve multi-step word problems and decide which operations to use to solve the answers.

This guide can help you support the learning of year 5 addition and subtraction at home. Each step contains an explanation to that stage and a link to an appropriate resource which can be used at home to support your child's learning.

As well as using the resources in this category and the keyword searches to help your child with addition and subtraction, a few ideas for games and activities to help your child practise adding and subtracting at home are outlined below.

Shopping

There are lots of opportunities for your child to practise their addition and subtraction skills when out shopping.

For example, you could ask your child to: check the receipt by adding up the cost of items; calculate the change; calculate the price of two or three items you are buying, etc. This gives addition and subtraction a purposeful and real-life context.

Mental Maths Quiz

This is a simple but effective way of helping your child develop their mental maths skills for addition and subtraction. Ask your child an addition or subtraction question which has to be completed mentally, such as $34 + 148 = ?$ and ask them to calculate the answer.

Roll a dice!

Using a dice, ask your child to roll a dice five times to create a five-digit number (e.g. 35712). Repeat this process. Ask your child to add the two numbers together or to subtract the biggest number from the smallest, using a formal column method.

Problem Solver

Tell your child they have to set you a maths word problem. Ask them to write a challenging word problem that involves addition and subtraction which you will find hard to solve. They also need to work out the answer to their problem in order to check if you have got it right or not.



Step 1

Add Whole Numbers with More Than Four Digits

In year 5, children will continue to build on their previous work on column addition by applying this method to larger numbers (you can use this **poster** to help your child to revise column addition if needed). At home, you can help your child to becoming proficient with this method by giving them the opportunity to practise using column addition. You could ask your child to calculate the total for shopping and bills at home to give a real-life context. Your child could also try this activity booklet which has lots of addition calculations (amongst others) for them to complete.



Step 2

Subtract Whole Numbers with More Than Four Digits

In year 5, children will continue to build on the work they did in year 4 using column subtraction by applying this method to larger numbers (you can check this method at home using this **poster**). Year 5 is about becoming more confident with column subtraction so that children can apply it to mathematical problems in year 6. At home, your child could help by calculating change in shops. You can also use this activity sheet at home to practise using column subtraction.



Step 3

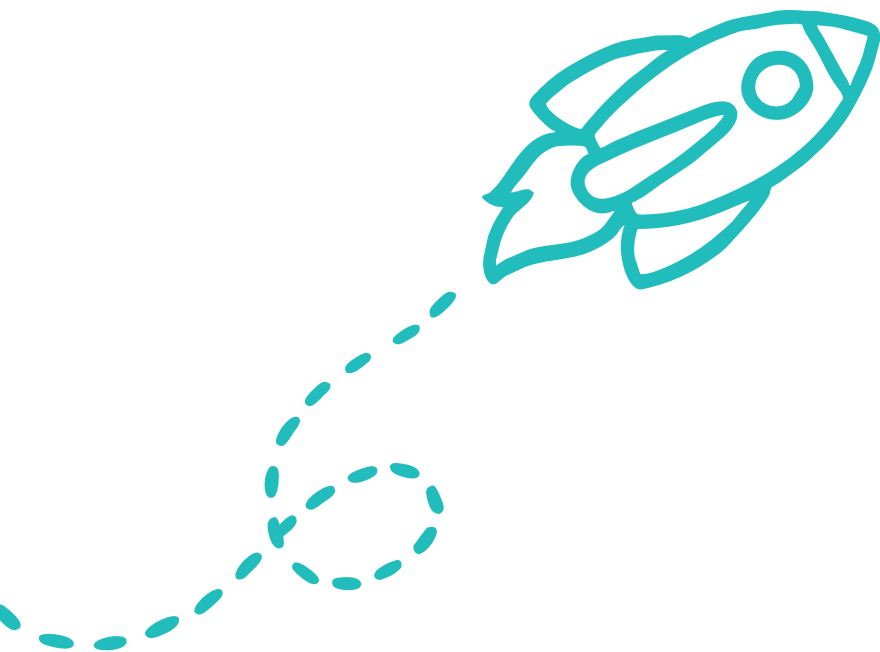
Add and Subtract Numbers Mentally with Increasingly Large Numbers

By year 5, children often practise applying the skills they have learnt in previous year groups to help them complete mental maths calculations. This can involve knowledge of doubling and halving; partitioning and regrouping (separating the ones, tens etc. to add and subtract them separately before adding or subtracting them together again at the end), using number bonds to 10 and 20, etc. At home, you can build these skills into everyday life with activities such as adding and subtracting amounts when out shopping, calculating change etc. You could also try completing these worksheets together to help your child practise mental calculation at home.

Step 4

Solve Multi-Step Word Problems and Decide Which Operations to Use to Solve the Answers

Once children can confidently use formal methods of addition and subtraction, they are then expected to apply this knowledge to multi-step problems. These are problems which require two or more calculations in order to reach the answer. At school, children are often given lots of opportunity to read problems and decide which calculations they need to do in order to solve the problem (usually with the support of the teacher at first). At home, try these challenge cards; discuss the problems with your child and encourage them to think about which calculations should be used and in which order.



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