

# Year 1 Addition and Subtraction: A Step-by-Step Guide for Parents

This step-by-step explanation to year 1 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 1 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 as well as some ideas and 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.

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 However, please be aware that every child is different and information can quickly become out of date.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 1?

In year 1, children are taught to:

- recognise and use the + and = symbols;
- use number bonds up to 20;
- add and subtract numbers up to 20.

This guide can help you support the learning of year 1 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, below are a few ideas for games and activities to help your child practise adding and subtracting at home.

### Adding Toys

Using toys can be a great way to help your child practise adding and subtracting at home. Select a small number of your child's toys when playing together and count them. Ask your child questions about the number of toys which they can then calculate the answer to, such as: "If I got out 3 more toys, how many would we have?"

### Domino Numbers

If you have dominoes at home, turn them upside down for this take on the domino game. Take it in turns at selecting a domino and adding both numbers together. If you get the addition correct, keep the domino. The winner is the person with the most dominoes at the end of the game.

### Doing Buttons

Helping your child with maths can be done in everyday activities, such as buttoning up shirts and cardigans. When helping your child to do buttons, ask how many buttons are buttoned up. Then ask how many would be buttoned if you unbuttoned two? How many would be buttoned if you buttoned three more?

### The Penny Shop

Make a play shop at home (you could use items such as toys or clothes). Give your child a selection of 1p coins such as 10 coins or 20 coins. Place a price on each item in the shop and then let your child calculate what they can afford at the shop. This will help them to practise adding up small amounts up to 20.



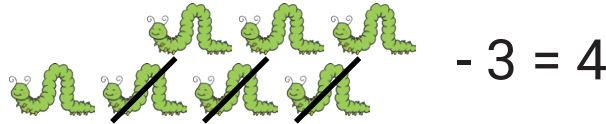
## Step 1

### Symbols for Addition (+), Subtraction (-) and Equals (=)

In year 1, images are often used to help children understand the concept and meaning of the symbols +, - and =. For example:


$$\begin{array}{|c|c|} \hline & \bullet \\ \hline \bullet & \bullet \\ \hline \end{array} + \begin{array}{|c|c|} \hline \bullet & \bullet \\ \hline \bullet & \bullet \\ \hline \end{array} = 8$$

When introducing subtraction, crossing out is used to help children understand that the subtraction symbol (-) means to take away. For example:


$$\begin{array}{c} \text{10 worms} \\ \text{3 worms crossed out} \end{array} - 3 = 4$$

Try using this Addition and Subtraction Activity Booklet at home with your child to help them understand the symbols for addition (+) and subtraction (-).



## Number Bonds Within 10

A number bond is also referred to as a number pair. They are basically pairs of numbers that add to a given number. For example,  $1 + 7$ ,  $2 + 6$  and  $4 + 4$  are all number bonds to 8. In year 1, children learn to add number bond facts below 10 and the corresponding subtraction facts. For example, if they know that  $2 + 7 = 9$ , then you can use this knowledge to calculate  $9 - 7 = 2$  and  $9 - 2 = 7$ .

At home, try these addition and subtraction activities to 10, to help your child practise learning number bonds to 10 and the corresponding subtraction facts.

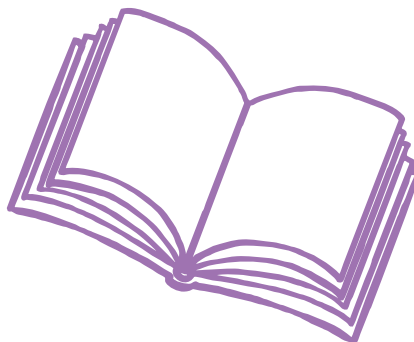
## Step 2



## Number Bonds to 10

Once your child has become familiar with working with number bonds below 10, teachers in school will also introduce number bonds that make 10. The number bonds for 10 are:  $1 + 9$ ,  $2 + 8$ ,  $3 + 7$ ,  $4 + 6$  and  $5 + 5$ . Lots of visual representations of numbers are often used to help children learn number bond facts to 10. This collection of worksheets includes a variety of activities and visual aids to help your child practise number bonds to 10 at home.

## Step 3



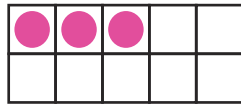
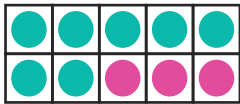
## Step 4

### Number Bonds to 20

Children can use their knowledge of number bonds to 10 to help them with number bonds to 20. At home, you can use examples such as  $7 + 3$ ,  $17 + 3$  and  $7 + 13$  to help them see the relationship between numbers bonds of 10 and 20. At home, try using these challenge cards together to help your child practise and learn the number bonds to 20.

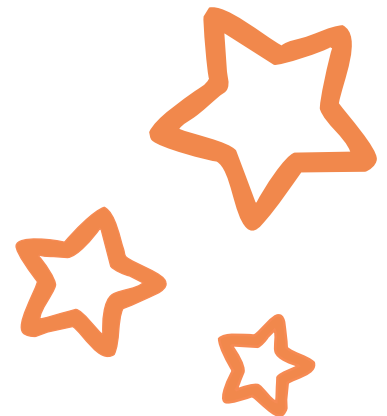
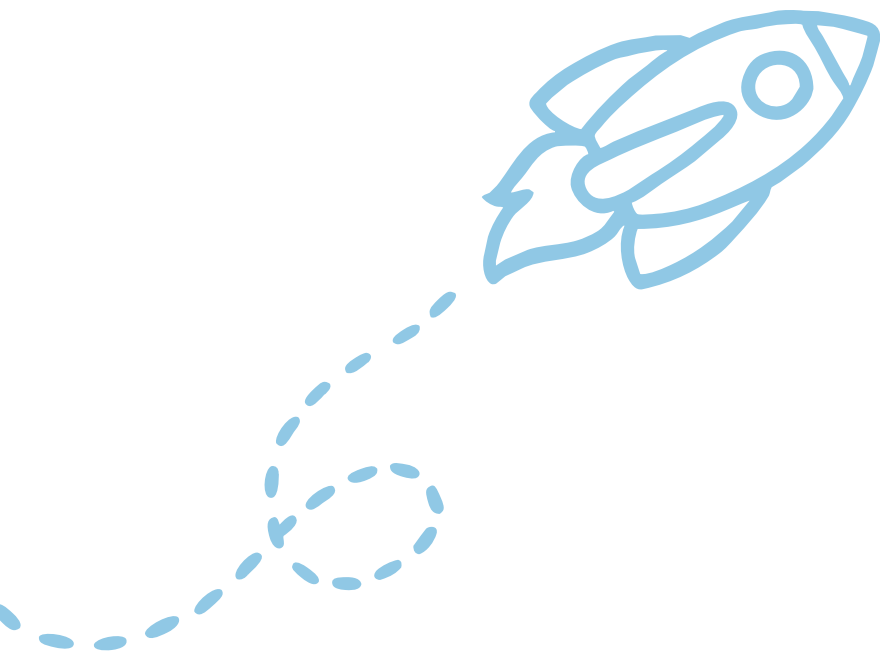
### Addition and Subtraction to 20

Once children have learnt about number bonds with 10 and 20, they can use this knowledge to help them add and subtract numbers up to 20. At school, lots of visual representations of calculations are shown, again to help children complete calculations to 20. For example, using frames of 10 squares can help with calculations such as  $6 + 7$ :



The visuals help children to see that 6 has a number bond pair of  $3 + 3$  and  $7 + 3$  is a number bond to 10. They can apply this knowledge of number bonds to see the relationship between numbers and help them to calculate the answer. At home, try these worksheets to help your child practise adding and subtracting numbers to 20.

## 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.



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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.



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ORIGINALS

Twinkl Originals are engaging stories written to inspire pupils 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!