


Year 2 Number Bonds: A Step-by-Step Guide for Parents

This step-by-step explanation to year 2 number bonds 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 learning about year 2 number bonds, 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.

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 However, please be aware that every child is different and information can quickly become out of date.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

Number Bonds

What Are Children Taught about Number Bonds in Year 2?

In year 2, children will continue to practise and consolidate their learning about number bonds below 10 and number bonds that make 10, which they learnt in year 1. They will also:

- practise and learn number bonds to 20 so that they know them by heart;
- use knowledge of number bonds to calculate number facts up to 10.

What Are Number Bonds?

Number bonds (also referred to as a number pairs) are pairs of numbers that add to a given number. For example, $1 + 7$, $2 + 6$ and $4 + 4$ are all number bonds of 8. In year 2, children learn about number bonds (or number pairs) that make given numbers up to 20.

This guide will help you support the learning of year 2 number bonds 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.

Number Bond Toys

Provide your child with 20 toys. Ask them to find different ways to separate the group to make a pair of number bonds to 20. For example, your child could separate the group into 4 and 16. Count the toys in each group with your child and say the numbers aloud, '4 and 16 make 20.' Keep a record of how many different ways you can make 20 which you can read again when the task is finished.

Secret Agent Number Bond

This is a fun game to help your child practise number bonds to 10. Write pairs of number bonds on separate sheets of paper, for example, 3 and 7. (You could also represent the numbers pictorially with 3 dots and 7 dots.) Do this for all number bonds to 10. Then, hide the numbers around the home. Tell your child that they are going to be a secret agent looking for number bonds. They have to find a pair of numbers that make ten and bring them back to you.

Number Bond Buttons

When dressing your child, use it as an opportunity to practise number bond buttons. If a shirt or a dress has buttons on, count how many there are altogether, with your child (for example, 8). Fasten a few buttons. Discuss how many are fastened and unfastened and what their total is. Button one more (or unbutton one) and discuss how many are buttoned and unbuttoned now. This will help your child to find pairs that make the total number of buttons.

The Penny Shop

Make a play shop at home (using toys, clothes, etc.). 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 their change should be each time they buy an item. The two amounts – the price and the change – are number bonds of the total amount of coins you gave them at the start.

Step 1

Revising Number Bonds To 10

Before working on number bonds to 20, it may be a good idea to check your child's understanding of number bonds to 10. If you find that they need a little more practise of this, try this **Number Bonds to 10 activity pack**, which contains lots of activities you can use at home to support your child.

Practise Number Bond Facts Up To 20

Number bonds to 20 (or addition facts to 20) are calculations that create a number bond to 20 (or a given number below 20). Often, real apparatus and images are used to help children visually see the number bond. At home, you could use toys, coins, counters, etc. to help show the calculations visually. For example, finding number bonds of 12, you could count out six toys together and then another group of six toys to demonstrate that $6 + 6$ is a number bond pair that totals 12. You can also try these **Number Bond Sticks to 20 Worksheets** at home to support your child.

Step 2

Step 3

Use Knowledge of Number Bonds to Help Calculate Pairs of Numbers up to 100

A good place to start when helping your child with number facts to 100 is to begin by using multiples of ten (such as $30 + 70$ or $50 + 50$). These are easier to begin with, as they directly relate to number bonds to 10. Say a multiple of 10 to your child and ask them to calculate the missing number to make 100. They should be able to use their knowledge of number bonds to 10 to spot a pattern, such as $10 + 90$ is like the number bond $1 + 9$. Once you feel confident that your child can do this, start helping them with number facts to 100 using any two-digit numbers up to 100 (such as $56 + 44$ or $33 + 77$). At home, you can use this **Number Bonds to 100 Resource Pack** to help support your child's learning.

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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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