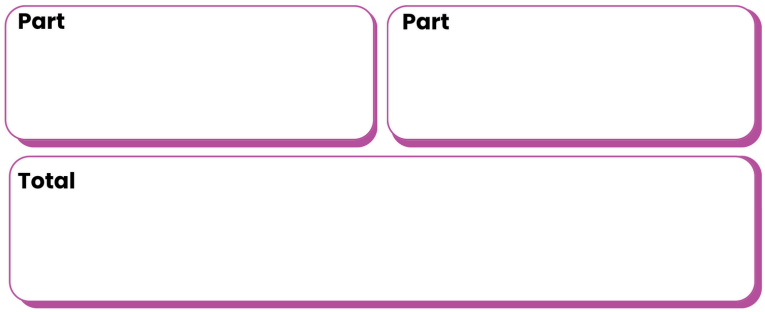
Group 2 Guide

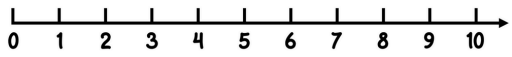
Adding 1 - the next counting number

Introduce addition
Start by explaining addition through an exercise with counters as we've described below to be sure your child knows how to combine parts for a total. Your child may need only one or two examples of this for you to be able to move on, and if they need more practice, continue until they are confident, correct and quick.

To prepare:

- Print downloadable page for Group 2 or draw the Part-Part-Total image and number line below on a piece of paper or small whiteboard
- Collect between 10-20 counters to use for these activities. Counters can be clean milk bottle tops, small blocks, paddle pop sticks, small toys ...





1. Say, "When we add numbers, we combine parts for a total"
2. Place 2 counters in the first box, 1 counter in the second and say, "Here are parts, 2 and 1." Your child can count to confirm.
3. Say, "When we combine these, we find the total, this is addition". Move all the counters down to the total box below the parts.
4. Ask, "What is the total of 2 and 1?", observe your child count the 3 counters. Confirm or correct, "Yes that's right when we add 2 and 1 the total is 3", or "No, let's count together, when we add 2 and 1 the total is 3."
5. Then place a counter on number 2 on the number line below and say, "We can also add using a number line, we start at 2 again, this is our first part, and we add one more" Lift the counter one place to the right, to land on 3.
6. Say, "Two plus one is three, it is the next counting number."
7. Ask, "What number comes after 2?" When your child responds with 3, confirm, "Yes, the number after 2 is 3, 2 plus 1 is 3, when we add 1 it is the next counting number."
8. Repeat for another combination, for example, 6 + 1.

Commutative Property - order doesn't change total

1. Once your child is confident, correct, and quick to count the total, by adding one more and saying the next counting number, move on to show the commutative property (the order of numbers don't change the total in addition).
2. Set up the first example again on the part-part-total board, with 2 and 1 in each part.
3. Say, "2 plus 1 equals 3, we have totalled this already" Move one counter from the first box to the second, so that it is 1 + 2 (you're just changing the order).
4. Say, "This is 1", point to the first part and "this is 2. The amount of counters are the same, we have just changed their order."
5. Ask, "How many do we have now?"
6. Confirm if your child answers correctly, "Yes, the total of 1 and 2 is 3, this is the same as the total of 2 and 1. The total doesn't change when the order changes,"
7. Then place a counter on number 2 on the number line below and say, "2 plus 1 is 3" and move two spaces. Using a different counter on number 1 say, "We can change the order by starting at 1 and adding 2" (move 2 places on the number line).
8. Confirm again, "The total of 1 and 2 is 3, this is the same as the total of 2 and 1. The total doesn't change when the order changes,"
9. Clear the addition frame and repeat, with different numbers.

Reviewing 1+ and +1 Facts

- To create addition sums for practice, we've created a set of downloadable flashcards to create the set of +1 and 1+ facts.
- You can also write these facts on a mini whiteboard or piece of paper to practice.
- Simply create one +1 or 1+ fact and ask your child to answer.

- Confirm if correct, "Yes, 8 plus 1 equals 9, 9 is the next number after 8." If incorrect, say "No, the next number after 8 is 9, 8 plus 1 equals 9" and show on the number line again.
- It is very important that these facts are presented in random order (3 + 1, 7 + 1), not in counting order (3 + 1, 4 + 1).

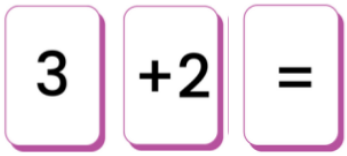
Note: We've included equal signs if your child wishes to finish the addition fact with cards, they can say this aloud without using the cards. Once we've introduced 2+ and +2 addition facts, we've included written practice for your child.

Group 2 Guide

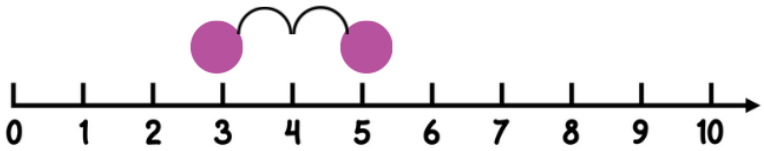
Adding 2 – the next next counting number

When your child is confident, correct and quick with 1+ and +1 facts, it is time to introduce the pattern for 2+ and +2. These facts are introduced together as they both use the same strategy, 1+ is the next counting number and 2+ is the next next counting number, your child will simply count two more to answer these addition facts.

1. Say, "When we add numbers, we combine parts for a total. We've already learnt that when we add 1 to any number, it is the next counting number. Now we're going to learn about adding 2 to a number"
2. Make the algorithm 3 + 2 = with the number cards, or write this on the whiteboard or paper you're using.



1. Place a counter on number 3 on the number line and say, "Let's use the number line to find the total of 3 and 2. Place a counter on 3 and say, "This is our first part, and we add two more." Lift the counter two places to the right, to land on 5. Make sure to count the 4 then the 5 as shown below.



1. Say, "3 plus 2 is 5, it is the next next counting number, we count on two more."
2. Ask, "Count two more numbers after 3" When your child responds with 5, confirm, "Yes, the next next number after 3 is 5, 3 plus 2 is 5, when we add 2 it is the next next counting number, we just count two more."
3. Repeat for another combination, for example, 6 + 2.
4. Then make two exact addition facts, 5 + 2 and 2 + 5, with the number cards and say, "What is the total of 5 and 2?" Wait for your child to answer by using number line, counting the next two numbers. Then say, "These numbers are the same, only the order is different, without counting what is the total of 2 and 5?" Confirm if your child is correct, "Yes that is correct, the total is the same even when the numbers are different."
5. Repeat examples using counters and number line if they need more practice.

Reviewing 2+ and +2 Facts

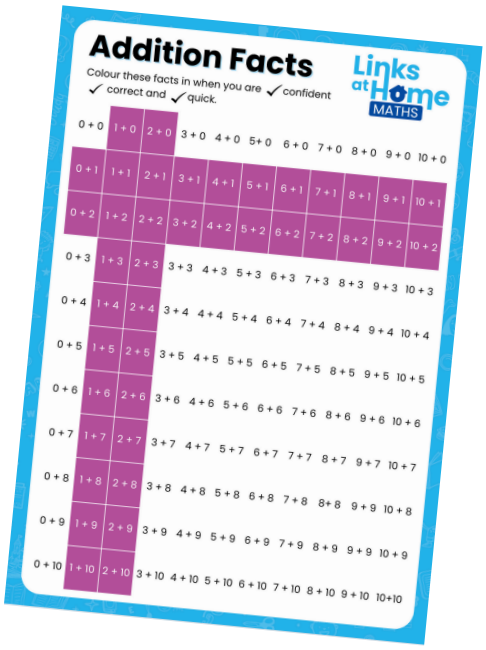
Use the flashcards available in the Group 2 downloads to create the addition facts for practice with your child. This is exactly the same as for 1+ and +1 facts. Your child can use the cards to create the answers, say them aloud, or write them down. Just make sure to keep the addition facts out of order, so they are using the strategy of *count two more numbers* whenever they see +2 rather than simply counting by 2s.

Recording and Celebrating Success

When your child is confident, correct and quick recalling 2+ and +2 addition facts, it is time to record and celebrate their success.

The addition facts summary is available for download, print this and have your child colour over the 1+, +1, 2+ and +2 facts in their favourite colour (we'll use the colours of the Groups to help you keep track). They can keep adding to this as they learn more facts.

Your child has now begun to know and remember 40 addition facts - this is a great start!



Remembering Addition Facts

You've begun to help your child understand addition facts by providing them with an explanation, a way to remember these facts, "+1 is the next number and +2 is the next next counting number."
With continued practice, saying the answers, writing the answers, playing games with these facts, our goal is that your child **remembers** these facts, without always needing the memory clues we're providing them.

To help you with this, in each Group download you'll find:

- addition practice sheets once your child is confidently, correctly and quickly saying the answers aloud.
- games to play to continue to practice these facts.