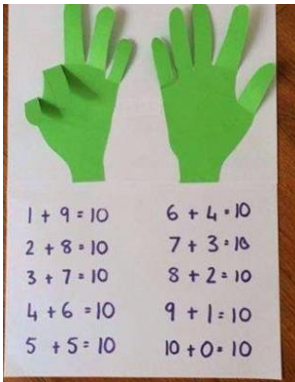


## Number bonds activities

### Number bond hands



How many different ways can you make 10 using your hands?

Call out a number, children to use their fingers to shout back the other amount needed to make 10.

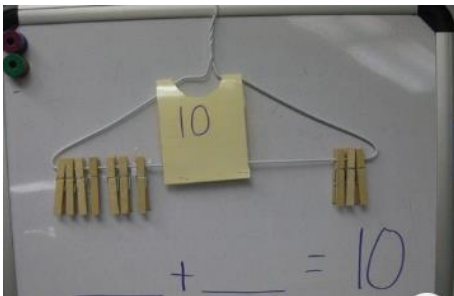
You may like to move on to writing these as calculations, using the appropriate symbols.

If you're looking to challenge your child, change it up a bit by shouting out a number, they then say the calculation needed to create 10 using that number.

e.g. "4!"

"4 add 6 is equal to 10!"

### Coathanger number bonds



Put a target number on the coathanger or write it somewhere and explain that this is the *total* number of pegs that we need on our coathanger. What numer facts could we use to make this number?

This activity is a fantastic opportunity for children to explore all of the possible number bonds for a target number. When they are ready, they can write the calculation using the appropriate symbols and numbers. For an extension, why not incorporate subtraction!

It is also a great opportunity for them to explore *commutativity of number* (when calculations can be moved around and still create the same number, e.g.  $7 + 3 = 10$  and  $3 + 7 = 10$ ) which is essential to developing a good number sense.

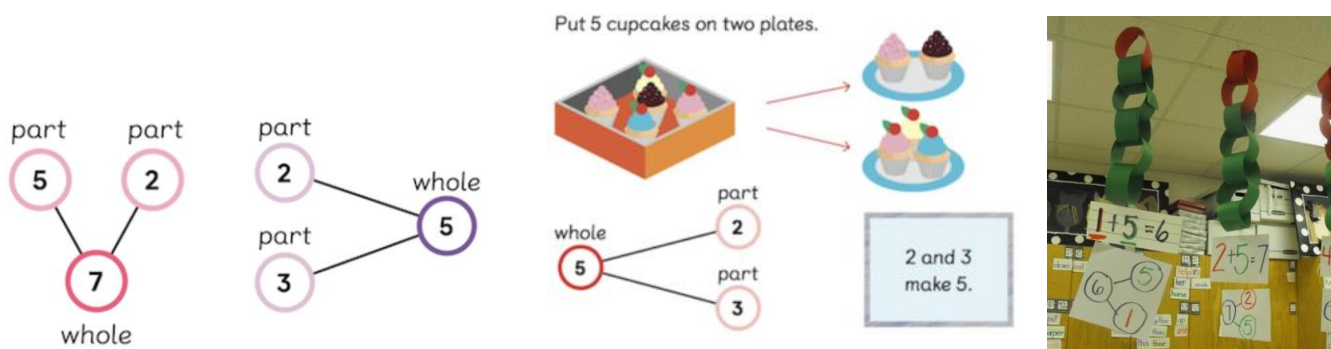
### Flip Ten



For this activity, you could use Uno cards, a regular deck of cards or some you have made at home! This activity develops children's working memory whilst improving their recall of number bonds. Children take it in turns to flip two cards over to make a target number. This could be ten or any other number that either of the players have chosen!

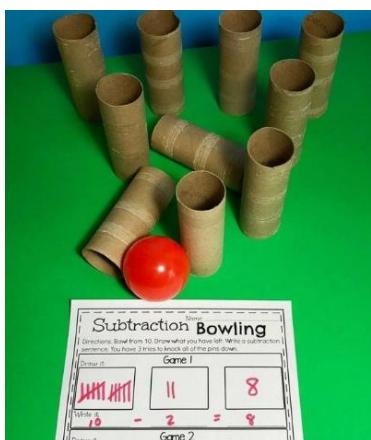
## Number bonds using part-whole models

In a part-whole model, number bonds are represented by circles connected by lines. The 'whole' is written in the first circle, while the 'parts' are in the adjoining circles. This helps build the understanding that we can partition wholes into two or more parts.



To develop children's number sense, we use objects to represent amounts. At home, your whole could have a number on it, such as 6. There are then two plates representing two parts. Begin by putting two biscuits on one of the plates then ask your child to put down an amount of biscuits to represent the other part (they will then put down three) and check by counting them all to see if there are five biscuits in total. When they are confident, they might like to see how many ways they can make the target number.

## Subtraction bowling



Set up a target number of pins (toilet rolls or anything else you might have available!). Children roll the ball to knock down as many as they can. They then subtract the number knocked down from the total pins to get their answer.

## Connect 10!



A variation on the classic game Connect Four. Write numbers under 10 (ideally under 5) on Connect Four disks. The game can be played in a variety of ways to suit your child's confidence with their number bonds. E.g.

Use however many tiles are needed to make a target number using the values on the disks, e.g. 6 or 10.

Connect four rules are still in place *however* all tiles must add up to ten to claim the win!