

Subtracting: Subtract 1-digit number from 1-digit number using aids / Subtract numbers up to 20 using aids

Subtraction Aids

- Numicon <https://www.youtube.com/watch?v=WSLcxwY6eYU> (could link to part, part, whole diagram)
- Dienes rods
- Lego/Multilink <https://www.youtube.com/watch?v=robVIMSsSDk>
- Counters and Tens Frame
- Part-Part-Whole Diagram (This links to addition and number families. If they can show that $7-2=5$ on a part-part-whole diagram then they also know that $5+2=7$ and $2+5=7$)
- Pictorial (drawing a picture on whiteboard where things get taken away, eg a flower with 5 petals, 2 petals fall off so rub them out)
- Number line and counter
- 100 square
- Whiteboard and pen
- Real world objects – Chairs in a room, counters, pencils, pieces of paper, etc.

Number Sentences

Lay out a selection of aids on the table. Create a subtraction number sentence with the child and ask them to use the resources to work out the answer. This will allow you to see what aids the child is confident with using/prefers to use.

- What will you use to work this out?
- How will you check the answer is correct?
- Can you prove that you are right?

This is a repetitive task so you may need to get creative with how you create the number sentences (roll the dice, pick cards from a bag, each pick one number, look around the room and write down the numbers that you can see, ask the child to make it up, etc.)

Challenges

- How many number sentences can you solve in 5 minutes?
- Can you use all the aids to show the answer in different ways?
- Can you use a different aid each time?

Above 10

When subtracting numbers above 10, use the child's prior knowledge of place value to help them. Take a 1 digit number from a 2 digit number using Dienes Rods, Numicon or Tens Frames to highlight what happens to the tens and the ones/units.

- Why do the tens stay the same but the ones/units change?

Repeat this with a 2 digit number subtracted from a 2 digit number.

- What do you think will happen to the tens?
- What do you think will happen to the ones/units?

Looking at the patterns in the tens and ones/units will help the child with mental maths strategies later.