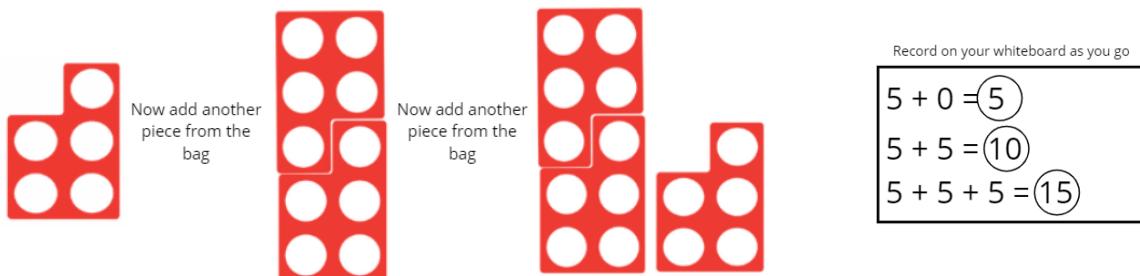


**Multiplication: Use repeated addition for five: 5, 10, 15,...50**

The main outcome from this skill is to identify repeated addition as adding the same number over and over again and to get them to spot the pattern that the five times table makes. Therefore, when you do the activities below with the children, try to record it as a calculation so the child can see the pattern as repeated addition.

**Spot the pattern**

Put all the number 5 Numicon pieces in a bag. Each time you pull one out add it to the one before (keeping the tens and ones separate) Write the total on your whiteboard.



When you have used all the 10 pieces, look at the numbers on the whiteboard.

- Do you notice a pattern?
- What do you notice about the tens?
- What do you notice about the ones?
- Can you predict what the next number will be based on the pattern?
- Make number sentences: 2 times 5 = 10, 3 times 5 = 15, etc.

**Spot the pattern (using a 100 square)**

Repeat the activity above using a 100 square. Every time you add on 5, mark the number (you could cover it with a counter).

- Do you notice a pattern?
- What do you notice about the tens?
- What do you notice about the ones?
- Can you predict what the next number will be based on the pattern?
- Make number sentences: 4 times 5 = 20, 5 times 5 = 25, etc.

**Make a resource**

Use scrap paper and draw around the child's hand 10 times (on separate paper). Explain that you are going to add up all the fingers. Take the first hand and count the number of fingers and write the total in the middle. Now take out the next hand and count on in 5.. (The child can count the fingers to help them.) Write the total in the middle of that hand. Keep going until you get to 50. Now you can use these as a resource for future sessions to practise counting in 5s.

### **What's in my purse? (Using toy or real 5p pieces)**

Tell the child you have X amount of 5ps in your purse and ask them to work out how many coins you have in total. You could use the Numicon to help.

- Which piece of Numicon will represent my 5p coin?
- Can you use the Numicon to make the total?

The child can then check by laying the coins next to/on top of the Numicon pieces to see if they were right.

### **Puddle Jump**

write out the numbers in the 5 times table on scrap paper and cut them into puddle shapes before laying them out on the floor. Ask the child to jump in the puddles in order, saying the numbers as they go. If you are sat at a table, make a mini version and get them to jump along with their fingers. As they get more confident, spread the numbers out so that they are not in a straight line so the child has to make a decision about which number to jump on next.

### **High Fives**

Once the child is confident with counting on in 5s, play a game of high fives. Every time you high five, count on in 5. The child can use their fingers to help them count on if they get stuck.

### **Key Language for repeated addition**

There are \_\_\_\_ equal groups with \_\_\_\_ in each group

Show me the number sentence for adding four fives \_\_\_\_ + \_\_\_\_ + \_\_\_\_ + \_\_\_\_ = \_\_\_\_

( $5 + 5 + 5 + 5 = 20$ )

What is that as a number sentence using times? (4 times 5 = 20)