



Key Instant Recall Facts Year 3 – Autumn 1

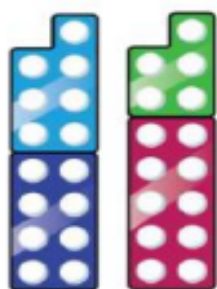
I know number bonds for each number up to 20.

Number bonds show us how numbers join together. They are very important for addition and subtraction. This half term, the children will be learning number bonds that make 20; they should be able to recall these independently.

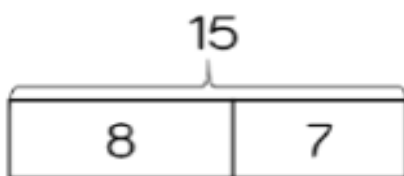
The children should know the number bonds to all numbers up to 20 e.g., Number bonds to 15: $0 + 15 = 15$, $1 + 14 = 15$, $2 + 13 = 15$, etc. Number bonds to 16: $0 + 16 = 16$, $1 + 15 = 16$, $2 + 14 = 16$, etc. The children should know all the number bonds that total 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20.

What can this look like?

Concrete:



Pictorial:



Abstract

Things to Try:

Chants- Practice chanting the number bonds.

Everyday Objects- Gather together objects and separate them in as many different ways as possible, write the calculation to match each one.

Make a poster – We use lots of concrete, pictorial and abstract methods in school. Your child could make a poster on any number 1-20 showing different methods to make the number bonds.

Questions to ask at home:

What do we need to **add** to 7 to make 20?

If I have 15, how **many more** do I need to get to 18?

What is the **difference** between 19 and 7?

Key vocabulary:

2 **add** 11 **equals** 13.

5 **plus** 12 is **the same as** 17.

16 **take away** 7 **equals** 9.

19 **subtract** 3 **makes** 16.

18 **minus** 9 **equals** 9.

Websites:

<https://www.topmarks.co.uk/maths-games/hit-the-button>

https://www.mathplayground.com/number_bonds_20.html

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.