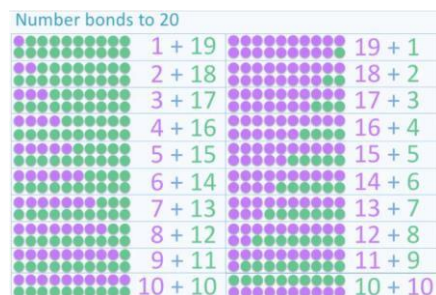


KIRF: I know number bonds to 20

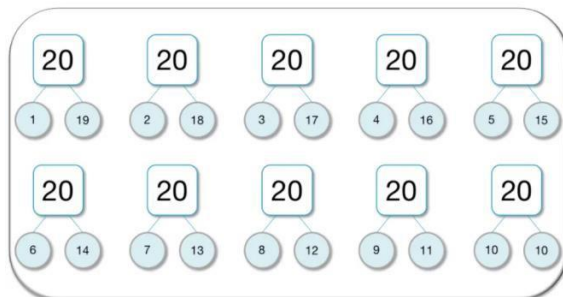
Number bonds show us how numbers join together. They are very important for addition and subtraction.

Concrete:



What can this look like?

Pictorial:



Abstract:

1 + 19	6 + 14
2 + 18	7 + 13
3 + 17	8 + 12
4 + 16	9 + 11
5 + 15	10 + 10

Questions to ask at home

What do we need to **add** to 13 to make 20?
If I have 10, how many more do I need to get to 20?
What is the **difference** between 20 and 12?

Key vocabulary

12 **add** 8 **equals** 20
18 **plus** 2 is **the same as** 20
20 **take away** 7 equals 13
20 **subtract** 3 makes 17
20 **minus** 9 equals 11

Activity Ideas

Chants- Practice chanting the number bonds.

Paper Chains- Use two different colours to make paper chains to show each number bond, for example 14 + 6 could be shown as 14 green links and 6 blue links.

Say it, make it, write it- For each number bond, say it out loud, make it using everyday objects and then write it as a sum.

Pegs – Put 20 pegs on to a coat hanger, split them in different ways and count how many pegs are on each side. E.g. 14 pegs + 6 pegs = 20 pegs (14+6=20).

Websites: White Rose video: [Aut2.5.1 - Fact Families on Vimeo](https://www.white-rose.org.uk/primary/2019/10/20/fact-families/)

[Funk Mummy](https://www.ictgames.com/funkmummy/) || Quick recall of addition, subtraction and multiplication facts || Mobile- friendly version (ictgames.com)

[Smoothie Maths](https://www.ictgames.com/smoothiemaths/) || Practise number facts to 10, then 20 (ictgames.com)