



# Autumn 1

**Learning Focus:** To know all number bonds for 20

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

## Representations

Number Bonds to 20	
0 + 20 = 20	20 + 0 = 20
1 + 19 = 20	19 + 1 = 20
2 + 18 = 20	18 + 2 = 20
3 + 17 = 20	17 + 3 = 20
4 + 16 = 20	16 + 4 = 20
5 + 15 = 20	15 + 5 = 20
6 + 14 = 20	14 + 6 = 20
7 + 13 = 20	13 + 7 = 20
8 + 12 = 20	12 + 8 = 20
9 + 11 = 20	11 + 9 = 20
10 + 10 = 20	10 + 10 = 20

Number bonds to 20	
1 + 19	19 + 1
2 + 18	18 + 2
3 + 17	17 + 3
4 + 16	16 + 4
5 + 15	15 + 5
6 + 14	14 + 6
7 + 13	13 + 7
8 + 12	12 + 8
9 + 11	11 + 9
10 + 10	10 + 10



## Key Vocabulary

- Add
- More
- Plus
- Equal to
- Sum
- Total
- Altogether

## Getting Started

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.



## Suggested Activities

- [White Rose Lesson](#)
- **Paper Chains** - Use two different colours to make paper chains to show each number bond, e.g.  $14 + 6$  could be shown as 14 green links and 6 blue links. For each number bond, say it out loud, make the chain link 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 ( $14+6=10$ ).
- **Make a poster** - We use [Numicon](#) at school. Your child could make a poster showing the different ways of making numbers. We also use [two ten frames](#) with counters to make 20.

## Useful Websites

- [Songs: Number Bonds to 20 with a Ukelele](#)
- [Songs: Hey 20](#)
- [Games: Hit the Button](#)
- [Games: Numbots](#)
- [TopMarks: Various games to 20.](#)
- [BBC: Numblocks](#)
- [White Rose 1 Minute Maths](#)

(Please consult your child's teacher for the password)