



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.

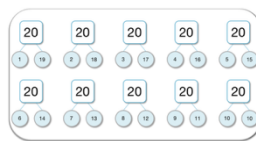
Representations

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 ($14 + 6 = 20$).
- **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)