



Key Instant Recall Facts

Autumn 1 – Year 2

I know number bonds to 20.

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

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|----------------|---------------|----------------|---------------|
| $0 + 20 = 20$ | $11 + 9 = 20$ | $20 - 0 = 20$ | $20 - 11 = 9$ |
| $1 + 19 = 20$ | $12 + 8 = 20$ | $20 - 1 = 19$ | $20 - 12 = 8$ |
| $2 + 18 = 20$ | $13 + 7 = 20$ | $20 - 2 = 18$ | $20 - 13 = 7$ |
| $3 + 17 = 20$ | $14 + 6 = 20$ | $20 - 3 = 17$ | $20 - 14 = 6$ |
| $4 + 16 = 20$ | $15 + 5 = 20$ | $20 - 4 = 16$ | $20 - 15 = 5$ |
| $5 + 15 = 20$ | $16 + 4 = 20$ | $20 - 5 = 15$ | $20 - 16 = 4$ |
| $6 + 14 = 20$ | $17 + 3 = 20$ | $20 - 6 = 14$ | $20 - 17 = 3$ |
| $7 + 13 = 20$ | $18 + 2 = 20$ | $20 - 7 = 13$ | $20 - 18 = 2$ |
| $8 + 12 = 20$ | $19 + 1 = 20$ | $20 - 8 = 12$ | $20 - 19 = 1$ |
| $9 + 11 = 20$ | $20 + 0 = 20$ | $20 - 9 = 11$ | $20 - 20 = 0$ |
| $10 + 10 = 20$ | | $20 - 10 = 10$ | |

Key Vocabulary

What do I **add** to 5 to make 20?

What is 20 **take away** 6?

What is 3 **less than** 20?

How many more than 16 is 20?

They should be able to answer these questions in any order, including missing number questions e.g. $19 + \bigcirc = 20$ or $20 - \bigcirc = 8$.

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 don't 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.

Use what you already know – Use number bonds to 10 (e.g. $7 + 3 = 10$) to work out related number bonds to 20 (e.g. $17 + 3 = 20$).

Use practical resources – Make collections of 20 objects. Ask questions such as, "How many more conkers would I need to make 20?"

Make a poster – We use Numicon at school. You can find pictures of the Numicon shapes here: bit.ly/NumiconPictures – your child could make a poster showing the different ways of making 20.

Play games – You can play number bond pairs online at www.conkermaths.com and then see how many questions you can answer in just one minute.