



## KEY INSTANT RECALL FACTS

STAGE: 3

AUTUMN: 1

### I know number bonds to and within 20.

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

$2 + 9 = 11$

$3 + 8 = 11$

$4 + 7 = 11$

$5 + 6 = 11$

$3 + 9 = 12$

$4 + 8 = 12$

$5 + 7 = 12$

$6 + 6 = 12$

$4 + 9 = 13$

$5 + 8 = 13$

$6 + 7 = 13$

$5 + 9 = 14$

$6 + 8 = 14$

$7 + 7 = 14$

$6 + 9 = 15$

$7 + 8 = 15$

$7 + 9 = 16$

$8 + 8 = 16$

$8 + 9 = 17$

$9 + 9 = 18$

$0 + 20 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$6 + 12 = 20$

$9 + 11 = 20$

$19 + 1 = 20$

$20 - 1 = 19$

$20 - 5 = 15$

$20 - 9 = 11$

$20 - 14 = 6$

$20 - 17 = 3$

Example of a fact

family:

$6 + 9 = 15$

$9 + 6 = 15$

$15 - 9 = 6$

$15 - 6 = 9$

Examples of other

facts to find

families for:

$4 + 5 = 9$

$13 + 5 = 18$

$19 - 7 = 12$

$10 - 6 = 4$

### Key Vocabulary

What do I **add** to 5 to make 19?

What is 17 **take away** 6?

What is 13 **less than** 15?

**How many more** than 8 is 11?

This list includes the most challenging facts but children will need to know **all** number bonds for each number to 20 e.g.  $15 + 2 = 17$ . This includes related subtraction facts e.g.  $17 - 2 = 15$ .

### 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.

Buy one get three free - If your child knows one fact (e.g.  $8 + 5 = 13$ ), can they tell you the other three facts in the same fact family?

Use doubles and near doubles - If you know that  $6 + 6 = 12$ , how can you work out  $6 + 7$ ? What about  $5 + 7$ ?

Play games - There are missing number questions at [www.conkermaths.com](http://www.conkermaths.com). See how many questions you can answer in just one minute.