

**KEY INSTANT RECALL FACTS (KIRFs) YEAR 1 SPRING 1 HOME LEARNING**

**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**.

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

**Key Vocabulary**

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

What is 20 **take away** 6?

What is **3 less than** 20?

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

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

Online – You can play number bond pairs online at [www.conkermaths.org](http://www.conkermaths.org) and see how many questions you can answer in one minute.