

**KEY INSTANT RECALL FACTS (KIRFs) YEAR 1 SUMMER 2 HOME LEARNING**

**I can represent and use number bonds and related subtraction facts within 20 with one and two-digit numbers.**

By the end of this half term, children should be able to work out the following facts and other similar facts.

4 + 5 = 9 3 + 11 = 14 4 + 15 = 19

**Key Vocabulary**

What is 3 **add** 13?

What is 2 **plus** 12?

What is 15 **take away** 7?

What is 8 **less than** 14?

5 + 4 = 9 11 + 3 = 14 15 + 4 = 19

9 – 5 = 4 14 – 11 = 3 19 – 4 = 15

9 – 4 = 5 14 – 3 = 11 19 – 15 = 4

5 = 9 - 4 11 = 14 – 3 15 = 19 – 4

4 = 9 - 5 3 = 14 – 11 4 = 19 – 15

9 + 7 = 16 6 + 13 = 19 8 + 12 = 20

7 + 9 = 16 13 + 6 = 19 12 + 8 = 20

16 – 7 = 9 19 – 6 = 13 20 – 8 = 12

16 – 9 = 7 19 – 13 = 6 20 – 12 = 8

7 = 16 - 9 13 = 19 – 6 12 = 20 – 8

9 = 16 - 7 6 = 19 – 13 8 = 20 – 12

They should be able to answer these questions in any order, including missing number questions e.g. 17 + ⃝ = 20 or 15 - ⃝ = 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. 6 + 3 = 9) to work out related number bonds to 20 (e.g. 16 + 3 = 19).

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

**Play games** – You can play number bond pairs online at [www.conkermaths.com](http://www.conkermaths.com) and then see how many questions you can answer in just one minute. These websites also helps practise number bonds to 20:

<http://www.ictgames.com/funkymum20.html> <http://www.interactivestuff.org/sums4fun/colquiz.html>