

KIRF: I can recall all the number bonds to 20.

This half term, the children will be learning all the number bonds to 20.

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

Key Questions:

What is _____ + _____?

What is _____ - _____?

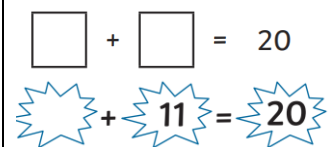
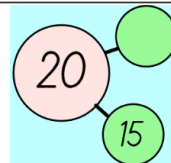
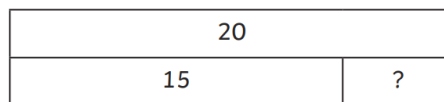
How many addition facts can you tell me?

4 add ____ makes 20?

Key Vocabulary:

Add, take away, less than, how many addition, subtraction, fact families, addend, sum and subtrahend

What can this look like? Concrete Pictorial Abstract



Activity ideas:

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.

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. $17 + 3 = 20$)

Play guess the number

Get hands-on with counting objects.

Create number bonds to 20 chain links.

Make flashcards with number bonds to 20

Find the pairs.

Create a number scavenger hunt

Websites

[Numbots](#) Children will have their own username and password.

[MyMaths](#) Children will be set weekly home learning.

[1 Minute Maths White Rose Education](#) 1 minute maths app which helps children build greater number confidence and fluency. It's all about targeted practice in engaging, one-minute chunks.