Key Instant Recall Facts (KIRFs)

Year 2 Autumn 1 - Number Bonds

Each half term we will be sending home mathematical recall facts. The goal is to recall these instantly resulting in a stronger foundation of mathematical knowledge.

The first of these will be number bonds to 10 and 20.

Start with the number bonds to 10. Use the pattern to learn the number bonds to 20, for example 7+3=10 and 17+3=20. Creating connections will make the learning clearer.

Top Tips

- Do them little and often. See how many you can do over breakfast or on the way to school.
- Create a poster and put it up somewhere you can see every day.
- Use objects to make it visual - Pencils, vegetables, ANYTHING.
- Use games – Google number bond games.
- For an extra challenge move the = eg. 10=6+4 or use a missing number sentence eg. 6+ =10

Key Vocabulary

What do I **add** to 5 to make 10?

What is 10 **take away** 6?

What is 3 **less than** 10?

How many more than 2 is 10?

Key Vocabulary

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

What is 20 **take away** 6?

What is 3 **less than** 20?

0 + 7 = 7	0 + 8 = 8	0 + 9 = 9	0 + 10 = 10
1 + 6 = 7	1 + 7 = 8	1 + 8 = 9	1 + 9 = 10
2 + 5 = 7	2 + 6 = 8	2 + 7 = 9	2 + 8 = 10
3 + 4 = 7	3 + 5 = 8	3 + 6 = 9	3 + 7 = 10
4 + 3 = 7	4 + 4 = 8	4 + 5 = 9	4 + 6 = 10
5 + 2 = 7	5 + 3 = 8	5 + 4 = 9	5 + 5 = 10
6 + 2 = 8	6 + 2 = 8	6 + 3 = 9	6 + 4 = 10
7 + 1 = 8	7 + 1 = 8	7 + 2 = 9	7 + 3 = 10
8 + 0 = 8	8 + 0 = 8	8 + 1 = 9	8 + 2 = 10
		9 + 0 = 9	9 + 1 = 10
			10 + 0 = 10

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