Key Instant Recall Facts
Year 2 – Autumn 1a

FIELDHEAD CARR PRIMARY SCHOOL

To use number bonds to 10 derive and use related facts up to 100.
To know my 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**.

Number Bonds to 10 and related facts to 100.

0 + 10 = 10	and	0 + 100 = 100
1 + 9 = 10	and	10 + 90 = 100
2 + 8 = 10	and	20 + 80 = 100
3 + 7 = 10	and	30 + 70 = 100
4 + 6 = 10	and	40 + 60 = 100
5 + 5 = 10	and	50 + 50 = 100
6 + 4 = 10	and	60 + 40 = 100
7 + 3 = 10	and	70 + 30 = 100
8 + 2 = 10	and	80 + 20 = 100
9 + 1 = 10	and	90 + 10 = 100

Number Bonds to 20

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

They should be able to answer these questions including missing number questions and related subtraction facts
 e.g. 20 + ◯ = 100
 100 – 70 = 30

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.

Pronunciation – Make sure that your child is pronouncing the numbers correctly and not getting confused between thirteen and thirty.

Songs and Chants – You can buy CDs or find number bond songs and chants online. If your child creates their own song, this can make them even more memorable.

Playing games can make learning number bonds fun and exciting:
http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html
See how many questions you can answer in 90seconds.
https://www.topmarks.co.uk/maths-games/daily10
and https://www.topmarks.co.uk/maths-games/hit-thebutton

Key Instant Recall Facts
Year 2 – Autumn 1b

I can add 10 to a number.
By the end of this half term, children should know that when you add ten to a number, only the tens digit changes. The aim is for them to answer these kind of questions **instantly**.

Children should be able to see that only the tens digit changes when adding ten to a number.

$$2 + 10 = 12$$
$$5 + 10 = 15$$
$$10 + 10 = 20$$
$$16 + 10 = 26$$
$$23 + 10 = 33$$
$$31 + 10 = 41$$
$$37 + 10 = 47$$
$$45 + 10 = 55$$
$$57 + 10 = 67$$

They should be able to answer these questions including missing number questions,

e.g. 2 + ◯ = 12 or ◯ + 10 = 53

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.

Make a counting in tens or fives poster – Can they count forwards and backwards in these patterns?

Key Instant Recall Facts
Year 2 – Autumn 2

I can use bridging and compensation for addition to 10+10.
By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

	Bridging 10		Compensation
7 + 4 = 11 7 + 5 = 12		4 + 7 = 11 5 + 7 = 12	
	7 + 4 = ? 7 + 3 = 10, then 1 more makes 11		6 + 9 = ? 6 + 10 = 16, then take away 1 = 15
8 + 3 = 11 8 + 4 = 12 8 + 5 = 13 8 + 6 = 14		3 + 8 = 11 4 + 8 = 12 5 + 8 = 13 6 + 8 = 14	
	8 + 5 = ? 8 + 2 = 10, then 3 more makes 13		8 + 9 = ? 8 + 10 = 18, then take away 1 = 17
9 + 3 = 12 9 + 4 = 13 9 + 5 = 14 9 + 6 = 15 9 + 7 = 16	9 + 6 = ? 9 + 1 = 10, then 5 more makes 15	3 + 9 = 12 4 + 9 = 13 5 + 9 = 14 6 + 9 = 15 7 + 9 = 16	7 + 9 = ? 7 + 10 = 17, then take away 1 = 16

They should be able to answer these questions in any order, using the most efficient strategy.

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.
Pronunciation – Make sure that your child is pronouncing the numbers