



Year 2 Maths

KEY INSTANT RECALL FACTS (KIRFs)

To develop your child's fluency and mental maths skills, we have introduced KIRFs (Key Instant Recall Facts) throughout school. KIRFs are a way of helping your child to learn by heart key facts and information which they need to have instant recall of.

KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in schools. They are particularly useful when calculating: adding, subtracting, multiplying or dividing. They contain number facts such as number bonds and times tables that need constant practise and rehearsal, so children can recall them quickly.

Each half term, children will focus on 2 KIRFs to practise and learn at home alongside the work that we will be doing weekly in school. They will include ideas to assist your child in grasping these key facts. They are not designed to be a time-consuming task and can be practised anywhere – in the car, walking to school etc. Regular practise – little and often – helps children to retain these facts.

Over their time at primary school, we believe that – if the KIRFs are developed fully – children will be more confident with maths work, understand its relevance and be able to access the curriculum more easily. They will be able to apply what they have learned to a wide range of problems that confront us regularly.

Thank you for your support.

Key Instant Recall Facts

Year 2 Spring 2

This half term your child is working towards achieving knowledge of the KIRFS, indicated below.

The ultimate aim is for your child to be able to recall these facts instantly.

This term's KIRF.....

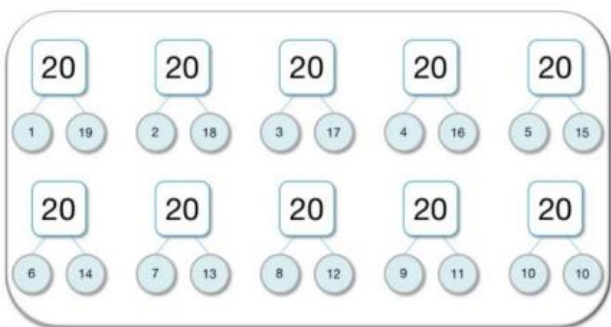
I can automatically recall addition number bonds for numbers to, at least, 10.

For example:

Number bonds show us how numbers join together. They are very important for addition and subtraction. This half term, the children will be learning number bonds that make 20; they should be able to recall these independently.

Key Vocabulary

12 add 8 equals 20
18 plus 2 is the same as 20
20 take away 7 equals 13
20 subtract 3 makes 17
20 minus 9 equals 11



Questions to ask at home:

Chants- Practice chanting the number bonds.

Paper Chains- Use two different colours to make paper chains to show each number bond, for example $14 + 6$ could be shown as 14 green links and 6 blue links.

Say it, make it, write it- For each number bond, say it out loud, make it using everyday objects and then write it as a sum.

Pegs – Put 20 pegs on to a coat hanger, split them in different ways and count how many pegs are on each side. E.g. $14 \text{ pegs} + 6 \text{ pegs} = 20 \text{ pegs}$ ($14+6=20$).

Online games

Websites: White Rose video: Aut2.5.1 - Fact Families on Vimeo

Funk Mummy || Quick recall of addition, subtraction and multiplication facts ||
Mobilefriendly version (ictgames.com)

Smoothie Maths || Practise number facts to 10, then 20 (ictgames.com)

This term's KIRF 2.....

I can identify one more and one less than a given number to, at least, 100

For example

One more than 67 is...
One more than 34 is...
One more than 3 (etc.)
One less than 23 is...
One less than 19 is...
One less than 81 (etc.)

Key Vocabulary

What is one less than 6?
To find out something that is one less, is minus 1 away from the number.

What is one more than 52?

Questions to ask at home

Roll a dice (once if you are playing with 1-digit numbers or twice if you are playing with 2-digit numbers). In the left column, write the number that is 1 less. In the right column, write the number that is 1 more.

Head out on a family nature walk or have a go at these on your walk to school.

- Count how many of a certain object you can see. This could be trees, people, cars etc. Can you tell a family member what is one more and one less than this number?
- Think of a number and give your partner some clues about your number. You could give them clues such as 'My number has a 4 in the tens column. It is an odd number. It is one less than 48. What is my number?'

Online games

Topmarks – One more and one less

You can find the video 'One More One Less 1 - 100 Counting Maths Game for Kids' on Twinkl Kids' TV Channel, on YouTube. Or, simply follow this link:

<https://www.youtube.com/watch?v=Totj3oVgVy8>