



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 Autumn 1

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 know 1 and 10 more or less than a given number to 100.

Children should be able to rapidly recall answers when you add or subtract one/ten to/from a number. The aim is for them to answer these kind of questions instantly.

Key Vocabulary

34 add 1?

51 subtract 1?

What is 10 more than 65?

What is 72 take away 10?

What is 10 less than 39?

Questions to ask at home:

Use practical resources – Make collections of objects. Ask questions such as, "How many more conkers would I have left if I took away one/ten?"

"How many more conkers would I have left if I added one/ten?"

Online games

<https://www.topmarks.co.uk/maths-games/daily10> - Level 2 Addition – Up to 100- Ten more

This term's KIRF 2.....

I know how to double and half numbers, to at least, 20.

Children need to understand how to find half, and how to double numbers up to 20 to 20 . They should be able to instantly recall what double and half is of each number to 20.

Key Vocabulary

Double - adding a number twice e.g. $6 + 6$ or multiplying the number by 2 e.g. 6×2 .

Half - splitting a number into 2, dividing by 2 e.g. 10 divided by 2 is 5. (Please note that children will not know what division is yet, they will be simply splitting the number into two groups).

Questions to ask at home

What is double 9?

What is half of 4?

How can we find half of 8?

Explain how we can double 5

Things to try

Doubling butterfly - Draw an outline of a butterfly, paint spots on one side; fold it over to show double that number. Write the calculation to go with it.

Doubles bingo- Choose 5 numbers between 1-20. Ask questions such as, what is double 6 or what is half of 18. Keep going until all numbers have been crossed off!

Double or nothing- Create a 6 x 6 grid with a numbers 1-24. Working in a pair, roll 2 dice, double the number and cover the number with a counter/object. The first to get 4 in a row wins!

Online games

Websites:

<https://www.ictgames.com/mobilePage/archeryDoubles/index.html>

<https://www.topmarks.co.uk/maths-games/hit-the-button>