Key Instant Recall Facts (KIRFs)

A guide for Parents

KIRF's (Key Instant Recall Facts) are pieces of mathematical knowledge that we want the children to learn off-by-heart or be able to work out very quickly (rapid recall).

They are designed to support the development of the mental skills that underpin mathematics and are particularly useful when calculating, be it adding, subtracting, multiplying or dividing. KIRFs will include facts such as number bonds, counting on or back, times tables, equivalence of units of measure, factors and square/prime/cubed numbers.

Each year group as allocated key facts to focus on - a new fact per half term - in line with age related expectations that build on term after term, year after year. This will give your child a stronger foundation for which to build their mathematical understanding.

Why are they important?

Research shows that:

- Learning key facts 'by heart' enables children to concentrate on the calculation, which helps them to develop calculation strategies.
- Using and applying strategies to work out answers helps children to acquire and so remember more facts.
- Many children who are not able to recall key facts often treat each calculation as a new one and have to return to first principles to work out the answer again.
- Once they have a secure knowledge of some key facts, and by selecting problems carefully, you can help children to appreciate that from the answer to one problem, other answers can be generated.

Each half term, children are given KIRFs to practice and learn at home as well as the work in school. These are sent home on A4 sheets and include practical ideas for you as parents/carers to assist your child in grasping the key facts.

These KIRFs are designed for children to learn in a fun, practical way and should be taken as part of their regular homework schedule in order to gain rapid recall and fluency.

Your child is currently working on the Autumn 1 KIRF for their year group. I hope you enjoy working alongside your child. Should you have any questions regarding KIRFs then please contact me via the school.

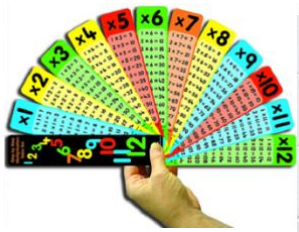
Yours faithfully, EMILY RANDLE Maths Subject Lead

KEY INSTANT RECALL FACTS

YEAR 2 – SUMMER 2

I CAN COUNT FORWARDS AND BACKWARDS IN MULTIPLES OF 3.

By the end of this half term, children should be able to fluently count forwards and backwards in multiples of 3. They should be able to recall these numbers **instantly**.

Children should be able to count forwards and backwards in multiples of 3.  Are there any patterns you notice?	Create your own 3 times table fan or poster and practise counting forwards and backwards.   Could you come up with a rhyme to help you recall the multiples of 3?

TOP TIPS

The secret to success is practising little and often. Use time wisely! Can you practise these KIRFs on the way to school either walking or by car? You don't need to practise them all at once: you could have a fact of the day!

Try these links:

Play 'Times Tables' and choose x3 - https://www.topmarks.co.uk/maths-games/hit-the-button

Play 'Coconut Multiples' - https://www.topmarks.co.uk/times-tables/coconut-multiples

Learn the 3 times table song - https://www.bbc.co.uk/teach/supermovers/articles/z6sw382

KEY INSTANT RECALL FACTS

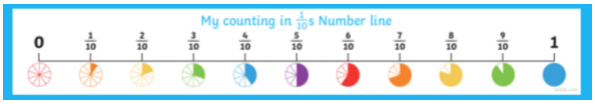
YEAR 3 – SUMMER 2

I CAN COUNT FORWARDS AND BACKWARDS IN TENTHS AS A FRACTION AND A DECIMAL TO ONE.

By the end of this half term, children should be able to fluently count forwards and backwards in tenths as a fraction and a decimal to one. They should be able to recall these numbers **instantly**.

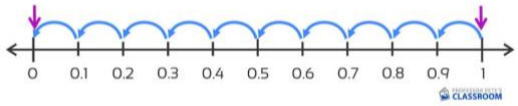
Children should be able to confidently count forwards and backwards in tenths as a fraction…

Fractions



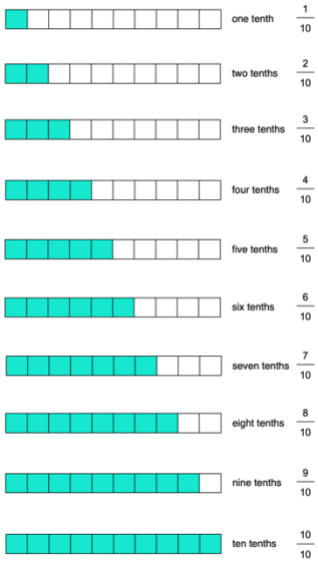
…Or in decimals.

Decimals



What do you notice?

Practise counting forwards and backwards.



What do you notice?
Are there any patterns?
Can you spot any similarities between fractions and decimals?

TOP TIPS

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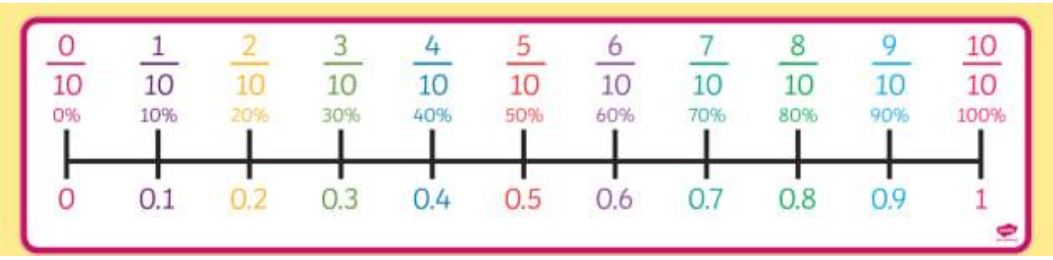

Could you create your own song or rhyme to help you count in tenths?