



Year 5 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 5 Autumn 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.

<p>This term's KIRF 1.....</p> <p>I know inverse facts for all multiplication tables.</p>	<p style="text-align: center;">For example</p> <p style="text-align: center;">If we know that $6 \times 4 = 24$</p> <p style="text-align: center;">We also know that:</p> <p style="text-align: center;">$24 \div 6 = 4$ and $24 \div 4 = 6$</p>
<p>Key Vocabulary</p> <p>multiplication fact</p> <p>division</p> <p>fact family</p> <p>array</p> <p>inverse</p>	<p style="text-align: center;">Play a game/ teach it</p> <p style="text-align: center;">https://ictgames.com/mobilePage/arrayDisplay/index.html</p> <div style="text-align: center;"> </div>
<p>Online games to practise the inverse:</p> <p>Times Tables Rock stars https://www.topmarks.co.uk/maths-games/hit-the-button</p> <p>https://www.topmarks.co.uk/maths-games/mental-maths-train https://www.arcademics.com/games/demolition</p>	

<p>This term's KIRF 2.....</p> <p>I can round any number to the nearest 10, 100, 1000 within 100,000</p>	<p style="text-align: center;">For example:</p> <p style="text-align: center;">Round 55,321 to the nearest 10 is 55, 320</p> <p style="text-align: center;">Round 55, 321 to the nearest 100 is 55, 300</p> <p style="text-align: center;">Round 55, 321 to the nearest 1000 is 55, 300</p>
<p>Key Vocabulary</p> <p>round</p> <p>tens</p> <p>hundred</p> <p>thousands</p> <p>current</p> <p>previous</p> <p>next</p> <p>numberline</p>	<p style="text-align: center;">Play a game/ How to teach</p> <p style="text-align: center;">For the nearest 10 ask What is our current 10, what will the next 10 be ?</p> <p style="text-align: center;">Draw a number line and plot the number:</p> <p style="text-align: center;">Round 55, 321 to the nearest 10</p> <div style="text-align: center;"> </div> <p style="text-align: center;">Therefore:</p> <p style="text-align: center;">55, 321 rounded to the nearest 10= 55, 320</p>
<p>Online games to practice rounding numbers</p> <p>Rocket Rounding (topmarks.co.uk) https://mrnussbaum.com/half-court-rounding-online-game Town Creator - Rounding Numbers Game (free-training-tutorial.com)</p>	

