



Key Instant Recall Facts (KIRFs)

As a school, we recognise the importance of fluency and mental skills in mathematics. Becoming secure with the different Key Instant Recall Facts will enable the children at Raughton Head to approach more complex maths problems with confidence, perseverance and resilience.

KIRFS are the 'Key Instant Recall Facts' that children need to secure during their primary years and are taken from the National Curriculum. They include facts such as number bonds and times tables. They are particularly useful when calculating using addition, subtraction, multiplication or division but also underpin many other areas of mathematics. For example, in order to find equivalent fractions in Year 6, children need to rapidly recall their knowledge of common multiples. When children have quick access to a secure bank of facts, they have more capacity to tackle complex problems.

KIRFs should be practiced regularly so that they are embedded and can be recalled quickly and accurately. Each half-term, children are given a new KIRF to practice in school and at home. Parents are encouraged to support their children's learning of their KIRF and so, to support this, a fact sheet is available to access online or can be requested to be sent home explaining the key fact as well as fun and exciting ways to practice. Learning KIRFs shouldn't be an onerous task – they can be practiced anywhere: in the car, walking to school, at the dinner table. Little and often will support the children in retaining these facts the best.

We believe that with factual fluency, children at Raughton Head will be much more confident mathematicians when working with number and will be able to access the curriculum with increased confidence and enjoyment.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Recognise and recite numbers in order to 10	Recognise and recite numbers in order to 50 and beyond	Recognise and recite numbers in order to 100 and beyond	Count in 50s and 100s	Recognise number bonds to 100	Recite the multiplication and division facts for all times tables up to 12x12	Recite the multiplication and division facts for all times tables up to 12x12
Autumn 2	Recognise quantities (without counting) to 5	Add 0, 1 or 2 to a number	Recognise and recite doubles and halves to 20	Recite the multiplication and division facts for the 4 times table	Recite the multiplication and division facts for the 6 times table	Find factor pairs of a number	Identify common factors of a pair of numbers
Spring 1	Say 1 more than a given number up to 10	Recognise number bonds to 10 and odd and even numbers to 20	Recite the multiplication and division facts for the two times table	Recite the multiplication and division facts for the 8 times table	Recite the multiplication and division facts for the 9 and 11 times table	Identify prime numbers up to 20	Identify prime numbers up to 50
Spring 2	Partition numbers to 5 (into 2 groups)	Count in 2s to 20 Count in 10s to 100 Count in 5s to 50	Recite the multiplication and division facts for the 10 and 5 times table	Recognise decimal equivalents of tenths	Recite the multiplication and division facts for the 7 and 12 times table	Recognise some decimal, fraction and percentage equivalents	Recall the first 5 cube numbers and their cube roots
Summer 1	Partition numbers to 10 (into 2 groups)	Recognise and recite days of the week and months of the year	Recite the multiplication and division facts for the three times table	Multiply and divide 1-digit numbers by 10	Count in 25s and 1000s	Recognise decimal number bonds to 1	Read Roman numerals to 1000
Summer 2	Recall double facts up to 5+5	Recognise and recite doubles and halves of numbers to 10	Tell the time to the hour, half past, quarter to and quarter past	Know the number of seconds in a minute and number of days in each month, year and leap year	Multiply and divide 1 and 2-digit numbers by 10 and 100	Recall square numbers up to 144 and their square roots	Recognise the formulae for finding the area of different shapes