



Maths Homework – KIRFs

Key Instant Recall Facts (KIRFs) are the foundation of fluency in maths. They are particularly useful for calculations and are a solution to children relying on inefficient methods such as counting on fingers or drawing hundreds of dots. The instant recall of facts helps incredibly with mental agility in mathematics and knowing these key facts is crucial when children move onto written calculations and abstract methods.

For children to become more efficient in recalling them easily, they need to be **practised frequently** and **in short bursts**. Because of this, each year group has been allocated six focuses throughout the year (in line with the National Curriculum and age-related expectations) with the expectation that these skills be consistently practised at home, alongside lessons at school, to embed key knowledge and ensure children become more confident and fluent with number. Progress against each KIRF will be monitored every Friday during maths lessons.

	EFYS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Count forwards from 0 to 5 & backwards from 5 to 0	Read & write numbers 0 to 10 in numerals & words	Know the number bonds for 20	Know addition & subtraction facts up to 20	Count in multiples of 1000 & 25	Know one & two decimal place number bonds for 1 and 10	Derive multiplication & division facts using multiples of 10 & decimal numbers
Autumn 2	Count forwards from 0 to 10 & backwards from 10 to 0	Know the number bonds for numbers 1 to 6	Know the multiplication & division facts for the 2 times table	Know number bonds to 100	Know multiplication & division facts for 6 times table	Know multiplication & division facts up to 12 x 12	Identify common factors of a pair of numbers
Spring 1	Partition numbers to 5 into two groups	Know doubles & halves of numbers to 10	Know doubles and halves of numbers to 20	Know multiplication & division facts for 3 times table	Know multiplication & division facts for 9 & 11 times tables	Find factor pairs of numbers	Know common fraction, decimal and percentages equivalences
Spring 2	Count forwards from 0 to 20 & backwards from 20 to 0	Know the number bonds for numbers 1 to 10	Know multiplication & division facts for 10 times table	Know multiplication & division facts for 4 times table	Know multiplication & division facts for 7 and 12 times tables	Identifying prime numbers within 100	Know up to 12^2 and 5^3
Summer 1	Count, read & write numerals to 20	Read & write numbers 1 to 20 in numerals & words	Count, read & write numbers to 100 in words & numerals	Count in multiples of 50 & 100	Know multiplication & division facts up to 12 x 12	Recall square numbers up to 12^2 and their square roots	Know doubles and halves of 2-digit decimals
Summer 2	Know one more & one less than a number (to 20)	Know the number bonds for 20	Know multiplication & division facts for 5 times table	Know multiplication & division facts for 8 times table	Recognise decimal equivalents of fractions	Count forwards & backwards in steps of powers of 10 for any number up to 1,000,000	Know the formulae for finding the area of different shapes