



## Starbeck KIRFs Overview

\*KIRFs (Key Instant Recall Facts) are designed to support the development of the mental fluency skills that underpin much of the mathematics curriculum. They are particularly useful when calculating, be it adding, subtracting, multiplying or dividing.

\*Each year group is allocated up to six facts to focus on throughout the year, in line with the National Curriculum and age-related expectations. These will be developed in school but it is important that they are also practised each week, possibly in smaller, regular bursts, at home, to ensure that the KIRF is practiced and learnt so that children grow in confidence to recall their facts instantly.

\*Instant recall of facts helps enormously with mental agility in mathematics; when children move onto written calculations and abstract methods, knowing these key facts is crucial. For children to become more efficient in recalling them easily, they need to be practised frequently and in short bursts.

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	I can say the numbers from 0 to 5	I can read and write numbers 1-10 in numerals and words	I know number bonds for each number to 20	I know all my facts for each number up to 20.	I can count in multiples of 1000 and 25	I know one and two decimal place number bonds for numbers between 1 and 10	Derive multiplication and division facts using decimal numbers (e.g. $8 \times 0.7 = 5.6$ )
Autumn 2	I can say the numbers from 0 to 10	I know number bonds for all numbers to 6	I know the multiplication and division facts for the 2 times table	I know number bonds to 100	I know multiplication and division facts for the 6 times table	I know the multiplication and division facts for all times tables up to $12 \times 12$	I can identify common factors of a pair of numbers
Spring 1	I can say one more and one less than numbers to 10	I know doubles and halves of numbers to 10	I know doubles and halves of numbers to 20	I know multiplication and division facts for the 3 times table	I know multiplication and division facts for the 9	I can find factor pairs of a number	I know common fraction, decimal and percentage equivalences

					and 11 times tables		
Spring 2	I can partition numbers, to 5, into two groups	I know number bonds to 10 and number bonds for each number to 10	I know multiplication and division facts for the 10 times table	I know multiplication and division facts for the 4 times table	I can recognise decimal equivalents of fractions	I can identify prime numbers up to 50	I know the first 5 cube numbers
Summer 1	I can count, read and write numbers to 10	I can read and write numbers 1-20 in numerals and words	I can count, read and write numbers to 100 in numerals	I can count in multiples of 50 and 100	I know multiplication and division facts for the 7 and 12 times table	I can recall square numbers up to 122 and their square roots	Know doubles and halves of 2-digit decimals
Summer 2	I can count beyond 10, forward and backward	I know number bonds to 20	I know multiplication and division facts for the 5 times table	I know multiplication and division facts for the 8 times table	I can scale number facts by 10	I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000	I know the formulae for finding the area of different shape