

KIRFS Overview

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

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	I can name numbers in order up to 10	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 number 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 1-10	I can derive multiplication and division facts using decimals numbers (e.g. $8 \times 0.7 = 5.6$)
Autumn 2	I can recognise quantities, without counting, up to 5 (subitise)	I know number bonds for each number to 6	I know multiplication and division facts for 2 times table	I know number bonds to 100	I know multiplication and division facts for 6 times table	I know multiplication and division facts for all numbers up to 12×12	I can identify common factors of a pair of numbers
Spring 1	I can say 1 more than a given number up 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 3 times table	I know multiplication and division facts for 9 and 11 times table	I can find factor pairs of a number	I know common fraction, decimal and percentage equivalences
Spring 2	I can partition numbers to 5 into 2 groups	I know number bonds for each number up to and including 10	I know multiplication and division facts for 10 times table	I know multiplication and division facts for 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 recall number bonds of numbers 1-10, including partitioning facts.	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 7 and 12 times table	I can recall square numbers up to 12 squared	I know doubles and halves of 2-digit decimals
Summer 2	I can recite number names in order to 20.	I know number bonds to 20	I know multiplication and division facts for 5 times table	I know multiplication and division facts for 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 shapes