

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.
- Each year group is allocated up to six facts to focus on throughout the year, in line with National Curriculum and age-related expectations. These will be developed in school but it is important that they are also practised in regular bursts at home to ensure that children can 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.

	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

