



Maths: Key Instant Recall Facts (KIRFs)



KIRFs (Key Instant Recall Facts) are designed to support the development of the mental fluency skills that underpin much of the mathematics curriculum. 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.

Each year group is allocated one key fact to focus on per half term.

The key facts will be developed in school, but for children to become more efficient in recalling them easily, they need to be practised frequently and in short bursts at home each week.

Overview

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	I know number bonds to 5	I know number bonds to 20	I know number bonds for each number up to 20	I know number bonds to 100	I can find factor pairs of a number	I can identify common factors of a pair of numbers
Autumn 2	I know number bonds to 10	I know doubles and halves to 20	I know the 3 x table (multiplication & division facts)	I know the 6 and 9 times tables (multiplication & division facts)	I can identify prime numbers up to 20	I can convert between fractions, decimals and percentages
Spring 1	I can recognise numbers to 50	I know the 2x table	I know the 4 x table (multiplication & division facts)	I know the 7 and 11 times tables (multiplication & division facts)	I can recognise equivalent fractions and decimals	I can find a fraction of an amount
Spring 2	I know doubles and halves to 10	I know the 10 x table	I know the 8 x table (multiplication & division facts)	I know all times table facts up to 12 x 12	I know decimal number bonds to 1 and 10	I can find a percentage of an amount
Summer 1	I know facts within 10	I know the 5 x table	I can recall facts about durations of time	I can multiply a single digit by 10 and 100	I can recall metric measure conversions	
Summer 2	I can tell the time to the nearest half an hour	I can tell the time to the nearest 5 minutes	I can tell the time to the nearest minute	I can recognise simple equivalent fractions	I can recall square numbers up to 122	

