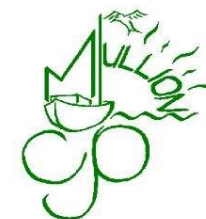


## Mullion CP School

### 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. Time is to be dedicated at least 3 times each week, possibly in smaller, regular bursts, as well as 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.
- Each half term, children will be assessed on their year group's KIRF. Teachers will track when pupils achieve their KIRF and pupils who do not achieve will continue to develop the skill in intervention time.



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Autumn 1</b>	I can read and write numbers 1-10 in numerals and words.	I know number bonds for each number to 20	I know number bonds to 100	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. $8 \times 0.7 = 5.6$ )
<b>Autumn 2</b>	I know number bonds for each number to 6	I know the multiplication and division facts for the 2 times table	I know multiplication and division facts for the 3 times table	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
<b>Spring 1</b>	I know doubles and halves of numbers to 10	I know doubles and halves of numbers to 20	I can find 10 or 100 more or less than a given number	I know multiplication and division facts for the 9 and 11 times tables	I can find factor pairs of a number	I know common fraction, decimal and percentage equivalences
<b>Spring 2</b>	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
<b>Summer 1</b>	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 times table	I can recall square numbers up to $12^2$ and their square roots	Know doubles and halves of 2-digit decimals
<b>Summer 2</b>	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 multiply and divide single-digit numbers by 10 and 100	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