

## 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.
- Children should aim to practise their KIRFs at least 3 times a week.
- Useful free online games:
- <https://ictgames.com/mobilePage/index.html>
- <https://www.topmarks.co.uk/Search.aspx?Subject=16>
- <https://www.sumdog.com>

	EYFS	Year 1	Year 2
<b>Autumn 1</b>	I can count and read the numbers from 0 to 5 and count back from 5 to 0 in order.	I can read and write numbers 1-10 in numerals and words	I know number bonds for each number to 20
<b>Autumn 2</b>	I can count and read the numbers from 0 to 10 and count back from 10 to 0 in order.	I know number bonds for each number to 10	I know the multiplication and division facts for the 2 times table
<b>Spring 1</b>	I know number bonds to 5.	I know doubles and halves of numbers to 10	I know doubles and halves of numbers to 20
<b>Spring 2</b>	I can say which number is one more or one less than a given number to 20.	Count in multiples of 2, 5 and 10	I know multiplication and division facts for the 10 times table
<b>Summer 1</b>	I can recall doubling facts up to 5 and some facts to 10.	I can count, read and write numbers to 100 in numerals	I can count, read and write numbers to 100 in numerals and words
<b>Summer 2</b>	I can recall addition and subtraction facts within 5 and some up to 10.	Numbers bonds to 20	I know multiplication and division facts for the 5 times table