



Year 6 Autumn 1 KIRFS

Key Instant Recall Facts (KIRFs) are designed to support the development of the arithmetic skills that underpin all maths learning in school. KIRFs help reduce the cognitive load when learning maths and greatly support the development of mental maths agility.

Recall pairs of numbers which total 1 – up to 3 decimal places applying knowledge of number bonds

Example: $0.343 + \underline{\quad} = 1$

- by making 0.9 using the tenths, 0.09 using the hundredths and 0.01 using the thousandths

Example: $0.299 + 0.701 = 1$

In addition you can help by practising the following:

6 fact challenge	$6 \times 6 = 36$ $6 \times 7 = 42$ $6 \times 9 = 54$ $7 \times 7 = 49$ $7 \times 9 = 63$ $9 \times 9 = 81$
Number bonds to in tenths and hundredths	$0.1 + 0.9$ $0.2 + 0.8$ $0.3 + 0.7$ $0.4 + 0.6$ $0.5 + 0.5$ $0.15 + 0.85$ $0.21 + 0.79$ $0.32 + 0.68$ $0.40 + 0.60$ $0.57 + 0.43$
Primes to 100	2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97
Square numbers to 144	0, 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144