



KIRFs Key Instant Recall Facts

KIRFs (Key Instant Recall Facts) are designed to support the development of the mental skills that underpin much of the maths work in school. Instant recall facts help enormously with mental agility within maths lessons. When children move onto written calculations, knowing these facts can be very beneficial.

Each half term, children will focus on a set of key facts to learn at home for the half term. Each handout will include practical ideas to assist your child in grasping the key facts and contain helpful suggestions of ways in which you could make this learning interesting and relevant. They are not designed to be a time-consuming task and can be learnt anywhere – in the car, walking to school, etc. Regular practice - little and often – helps children to retain these facts and keep their skills sharp. Throughout the half term, the facts will also be taught in school and your child's teacher will assess whether they have been retained.

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5		Year 6	
Autumn 1	Number recognition within 5	1+9, 2+8, 3+7, 4+6, 5+5	10 x table and related division facts	4 x table and related division facts	6x7, 6x8, 6x9, 7x8, 7x9, 8x9	Common equivalents of thirds and fifths	Doubles and halves of all 2-digit numbers	Doubles and halves of 1-digit decimals	Squares and roots to 15x15 Cubes and cube roots to 5x5x5
Autumn 2	1+1, 2+1, 3+1, 4+1	Counting in 10s including 10ps up to 90p	Bonds to 20	8 x table and related division facts	Double all whole numbers to 50 and inverse	Bonds to 10 to 1dp e.g. 7.5+2.5=10	Compare and add same denominator	Bonds to 10 to 2 decimal places e.g. 1.37+8.63=10	Multiply tenths and tenths from tables e.g. 0.3x0.4=0.12
Spring 1	5-1, 4-1, 3-1, 2-1	4+2, 5+2, 6+2, 7+2, 9+2,	5 x table and related division facts	3 x table and related division facts	11 x table and related division facts	Multiply whole numbers and tenths from tables e.g. 3x0.4=1.2	Prime numbers up to 19	Multiply and divide by 10, 100, 1000 and 0.1	Know decimal equivalents of eighths e.g. 3/8 = 0.375
Spring 2	3+2, 2+2,	4+3, 5+3, 6+3	Double numbers to 20 and inverse	Number bonds to 100	12 x table and related division facts	Decimal equivalents of 10ths and 100ths	Multiply and divide by 10 100 and 1000	Metric conversions - weight length and capacity	Prime numbers up to 100
Summer 1	3+3, 4+4, 5+5	6+6, 7+7, 8+8, 9+9	2 x table and related division facts	Bonds to multiples of 10 in multiples of 10 e.g. 50+20=70	Recognise factor pairs for products in times table grid	Percentage and decimal equivalents of halves, quarters and tenths	Recognise factor pairs for numbers up to 100	Key Place Value Addition and subtraction Doubles Number bonds Multiplication and division Fractions Measures	
Summer 2	6+1, 7+1, 8+1, 9+1	Doubles and halves to 10	Bonds to 100 in multiples of 10 e.g. 20+80=100	All bonds to multiples of 10 e.g. 12+38=50	Decimal equivalents tenths quarters and halves	Percentage and decimal equivalents of 5ths, 20ths and 25ths	Square numbers and roots up to 12x12		