

Key Instant Recall Facts (KIRFS) Overview

Early Years	By End of Year 3	
<ul style="list-style-type: none"> • Say the number names in order to 5 • Begin to know the days of the week • Say the numbers in order to 10 • Be able to partition numbers to 5 into two groups • Count in 10s • Count in 2s 	<ul style="list-style-type: none"> • Know all number bonds for <u>each number</u> to 20 • Know multiplication and division facts for 2x and 4x table (doubling mental strategy) • Know doubles and halves of all whole numbers to 20; all multiples of 5 to 100; all multiples of 100 to 5000 • Know all addition and subtraction facts for: multiples of 100 to 1000; multiples of 5 with a total of 100; number bond pairs that total 100 • Know all multiplication and division facts for 3x, 6x, 9x tables • Know 2-D shapes and key properties of shapes up to 8 sides (e.g. sides, corners) • Know 3-D shapes and key properties such as cuboid, sphere, square based pyramid (e.g. faces, vertices, edges) • Know equivalent measures: e.g. 100p = £1; 10mm = 1cm; 100cm – 1m; 1000m = 1km; 1000g = 1kg; 1000ml = 1l and be able give simple conversions • Recognise right angles and angles bigger or smaller than a right angle • Consolidate all previous work 	
Key Stage 1		
<ul style="list-style-type: none"> • Know all the number bonds to 5 • Know all the days of the week, the seasons and the months of the year. • Know all number bonds to 10 • Know all doubles and halves to 10 • Know all addition and subtraction facts for all numbers between 0 and 10 • Count forwards and backwards in steps of 2, 5 and 10 • Know all number bonds to 20 • Know multiplication facts and division facts for the 2x table, 5x table and 10x table • Know all doubles and halves of all numbers to 20 • Know all addition and subtraction facts for multiples of 10 to 100 	<th style="text-align: center;">By the End of Year 4</th>	By the End of Year 4
	<ul style="list-style-type: none"> • Know all number bonds <u>for each number</u> to 100 • Know all multiplication and division facts for 7x and 8x table • Know doubles and halves of all whole numbers to 50; all multiples of 5 to 1000; all multiples of 50 to 5000 • Know all pairs of multiples of 50 with a total of 1000 • Know all multiplication and division facts for all tables up to 10 x 10 • Know 2 D shapes and their properties up to 10 sides • Know 3 D shapes and their properties including prisms and pyramids • Know equivalent measures and be able to convert mixed amounts e.g 137cm = 1m 37cm or 1.37m • Be able to recognise and name acute and obtuse angles and start to estimate angles • Consolidate all previous work 	

By the End of Year 5	By the End of Year 6
<ul style="list-style-type: none"> • Know all multiplication and division facts for tables up to 12 x 12 • Know all decimals that total 1 or 10 (to 1 decimal place) • Know doubles and halves for all whole numbers to 100; all multiples of 10 to 1000; all multiples of 100 to 10 000 • Know all pairs of factors of numbers up to 100 (e.g. ? x ? = n) • Know the tests of divisibility for 2,3,5,9 and 10 • Know all 2D & 3D shapes and their properties, including terms such as parallel, perpendicular and adjacent and the sum of internal angles • Know that there is 180° in a straight line and 360° in a circle • Recognise reflex angles • Know simple fractions e.g. 1/2, ¼, ¾, 1/10 and their decimal equivalents • Consolidate all previous work 	<ul style="list-style-type: none"> • Use all multiplication and division facts for the times tables up to 12x12 to derive multiplication and division of decimal numbers • Know doubles and halves of 2-digit decimals (e.g. 4.6) • Know the doubles and halves of all multiples of 10 to 10 000 • Know the tests of divisibility for 4 and 6 • Know all properties of shape including quadrilaterals • Understand and be able to use mode, median and mean averages • Extend simple fractions to include 1/3, 2/3, 1/5 their decimal and percentage equivalents • Consolidate and apply all previous work