



Oakland's Key Instant Recall Facts (KIRFs)

By the end of each year, children should know the following facts. The aim is for them to recall these facts instantly. Children who have not achieved the previous year group KIRFs, should learn missing skills first.

<u>RECEPTION</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4</u>	<u>YEAR 5</u>	<u>YEAR 6</u>
Count forwards and backwards to 10	Recite number bonds to 10s	Number bonds to 100 (i.e. 40 + 60)	Learn and recall 3s, 4s, and 8s multiplication tables and related division facts (INVERSE)	Recall number bonds/complements to 100 i.e. 63 + 37 = 100	Read, write and compare numbers to 1,000,000	Read, write and compare numbers to 10,000,000
Count forwards and backwards to 20	Recite number bonds to 20s	Count in 3s to 36 (spot patterns)	Count in steps of 50s and 100s to 1000	Count in multiples of 25 & 100 up to 1000	Write percentages as fractions as decimal equivalents	Identify common factors, common multiples and prime numbers
Recognise numerals to 10	Double numbers to make up to 10	Tell the time to nearest 5 mins inc. quarter to/quarter past	Find 10 more/less Find 100 more/less of any given number	Order and compare numbers beyond 1000	Read, order and compare decimal numbers up to 3 dp.	Compare and order fractions inc. fractions >1
Recognise numerals to 20	Double number to make up to 20	Learn and order days of the week/months of the year	Read and order any number to 1000 (numerals and words)	Find 1000 more/less of any given number	Count forwards and backwards in forwards and backwards in steps of 10 from any number (up to 1,000,000)	Convert between miles and km.
Recite days of the week in order	Halve even numbers (2, 4, 6, 8 & 10)	Counts in 10s forwards and backwards from any number	Recall how many seconds are in a minute	Rapid recall of 6s, 7s, 9s, 11s times tables and the corresponding inverse i.e. 7 x 4 = 28, 4 x 7=28 28 ÷ 4 = 3, 28 ÷ 3 = 4	Know and use vocabulary of prime numbers, prime factors and non-prime (composite numbers)	Calculate the area of parallelograms and triangles.
One more, one less (up to 10)	Halve even numbers (12, 14, 16, 18, 20)	Mentally add and subtract 2 digits nos to a 1 digit no.	Recall days in each month, each year and leap year	Count backwards through 0 to include negative numbers	Recognise and use cubed and squared numbers	Read, write and convert measures of length, mass, volume, time



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Count in 10s to 100	Recognise any number up to 100	Mentally add and subtract 2 digit nos to 10, two two digit nos. and 1s, 10s and 100s	Mentally add and subtract; * 3 digit no + 1s * 3 digit no + 10s * 3 digit no + 100s	Round numbers to nearest 10, 100 or 1000	Round numbers to nearest 10, 100 or 1000, 10,000 and 100,000	Recall and use equivalences between simple fractions, decimals and percentages.
Subitise to 5 (fingers & pictures)	Subitise to 10 (fingers & pictures)	Recall facts from the 2, 3, 5 & 10 time tables at speed (up to x12 the table i.e. 12 x 5) *Include the inverse of the number, 5 x 12 * 12 x 5)	Learn and recall number bonds to 60 (to assist with telling the time)	Read and write Roman numerals to 100	Read and write Roman numerals to 1000	Divide proper fractions by whole numbers
	Add two numbers mentally (bridging 10) – teach strategies		Tell the time to nearest minute	Multiply and divide single-digit numbers by 10 and 100 i.e. 3 x 10	Record fractions as decimal equivalents	Perform mental calculations including mixed operations and large numbers
	Count in 2s to 100		Recall complements to 100 in multiples of 5 i.e. 65 + 35 = 100	Find decimal equivalents of fractions	Convert between different units of metric measure m, cm, mm, g, km, Ltr, ml	Multiply and divide a whole number by a 2 digit number using written methods i.e. 453 x 12
	Count in 5s to 100			Recognise and recall factor pairs		
	Tell the time to nearest o'clock and half past the hour.			Tell the time (24 hour clock) AM/PM		