



Holden Clough Key Instant Recall Facts - Reception

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none">Count forwards from any number to 10.Count backwards from any number within 10.Verbally count beyond 20.Compare quantities of amounts up to 10.Read numbers to 10.Write numbers to 10.Order numbers to 10.Subitise within 5.	<ul style="list-style-type: none">Partition numbers to 10 into 2 groups (e.g. $7 + 3 = 10$, $2 + 5 = 7$) using equipment (such as Numicon) to help.Number bonds to 5 (including subtraction facts).Number bonds to 10.	<ul style="list-style-type: none">Use equipment to add and subtract (e.g. counters, household objects).
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none">Count in 2s to 10 (forwards and backwards).Share quantities out equally.Understand odd and even numbers.	<ul style="list-style-type: none">Double facts within 10.	<ul style="list-style-type: none">Say the days of the week in order.



Holden Clough Key Instant Recall Facts - Year 1

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none">Count forwards and backwards from any number within 100.Identify 1 more and 1 less than any number within 100.Read and write numbers to 100.	<ul style="list-style-type: none">Know all number bonds to 10.Know all addition facts within 10.Know all subtraction facts within 10.	<ul style="list-style-type: none">Add a 1-digit number to a 2-digit number within 20.Subtract a 1-digit number from a 2digit number within 20.Add a multiple of 10 to a number within 100 (using a 100 square).Subtract a multiple of 10 to a number within 100 (using a 100 square).
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none">Count forwards and backwards in 2s.Count forwards and backwards in 5s.Count forwards and backwards in 10s.	<ul style="list-style-type: none">Know all doubles to 10.Know all halves to 10.	<ul style="list-style-type: none">Tell the time to o clock and half past.Know the days of the week in order.Know the months of the year in order.Know the seasons of the year in order.



Holden Clough Key Instant Recall Facts - Year 2

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none">Count in 10s from any given number, forwards and backwards.Count in 2s from any given number, forwards and backwards.Understand the value of Tens & Ones.Count in 2s from 0 forwards and backwards.Count in 3s from 0 forwards and backwards.Count in 5s from 0 forwards and backwards.Read and write numbers to 100 (numerals and words)	<ul style="list-style-type: none">Know all number bonds within 20 and identify patterns.Link number bonds to 20 to number bonds to 10.Understand the = sign in balancing equations.Use and understand < and > signs.Understand simple missing number calculations.	<ul style="list-style-type: none">Add multiples of 10, including crossing boundaries.Subtract multiples of 10, including crossing boundaries.Know all addition facts for multiples of 10 to 100.Know all subtraction facts for multiples of 10 to 100.
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none">x2 including division facts.x5 including division facts.x10 including division facts.Recognise odd and even numbers.	<ul style="list-style-type: none">Know the doubles of all numbers to 20.Know the halves of all even numbers to 20.	<ul style="list-style-type: none">Know how many pennies in a £.Know the number of minutes in an hour.Know the number of hours in a day.Tell the time to quarter to and quarter past.



Holden Clough Key Instant Recall Facts - Year 3

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none"> Count from 0 in multiples of 100. Count from 0 in multiples of 50. Count from 0 in multiples of 4. Count from 0 in multiples of 8. Count in 4s from any given number, forwards and backwards. Count in 3s from any given number, forwards and backwards. Find 10 more / less than a given number within 1000. Find 100 more / less than a given number within 1000. Read and write numbers to 1000 (numerals and words). 	<ul style="list-style-type: none"> Understand the = sign in balancing equations. Use and understand < and > signs. Understand missing number calculations. Know all number bonds to 100 and find patterns within number bonds to 100. 	<ul style="list-style-type: none"> Know all addition and subtraction facts for multiples of 100 to 1000. Know all addition and subtraction facts for multiples of 5 with a total of 100. Know all addition and subtraction facts for number pairs with a total of 100. Add and subtract mentally: <ul style="list-style-type: none"> A three-digit number and ones. A three-digit number and tens. A three-digit number and hundreds.
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none"> X3 including division facts. X4 including division facts. x8 including division facts. 	<ul style="list-style-type: none"> Know doubles of all multiples of 10 to 500. Know halves of all multiples of 10 to 500. Know doubles of all multiples of 100 to 1000. Know halves of all multiples of 100 to 1000. 	<ul style="list-style-type: none"> Know the number of seconds in a minute. Know the number of days in each month, year and leap year. Understand am and pm; noon and midnight. Tell the time to quarter to 1 to and 1 past. Recognise right angles.



Holden Clough Key Instant Recall Facts - Year 4

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none"> Count from 0 in multiples of 25 and 1000. Count from 0 in multiples of 6, 9, 7, 11 and 12. Understand the value of Th, H, T & Ones. Find 1000 more / less than a given number. Count backwards through 0 to include negative numbers. 	<ul style="list-style-type: none"> Understand the = sign in balancing equations. Use and understand < and > signs. Understand missing number calculations. Recognise and use factor pairs and commutativity in mental calculations. Know all pairs of multiples of 50 with a total of 1000 	<ul style="list-style-type: none"> Add and subtract pairs of two-digit numbers. Add and subtract 9/19/29 etc. to two-digit numbers. Add and subtract 11/21/31 etc. to two-digit numbers.
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none"> x6 including division facts. x7 including division facts. x9 including division facts. x11 including division facts. x12 including division facts. x25 including division facts. x100 including division facts. <p>*Children should be fluent with timetables up to 12 x 12 (including division facts) by the end of year 4.</p>	<ul style="list-style-type: none"> Know doubles and halves of all whole numbers to 50. Know doubles and halves of all multiples of 5 to 1000. Know doubles and halves of all multiples of 50 to 5000. 	<ul style="list-style-type: none"> Read Roman Numerals to 100. Know: the number of weeks in a year. Know: how many in km. Know: how many cm in m. Know: 90 ° in a right angle



Holden Clough Key Instant Recall Facts - Year 5

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none"> Count forwards and backwards from any given number, in any steps, crossing boundaries and into negative numbers. Count forwards and backwards in steps of powers of 10 for any given number up to 1 000 000. Count forwards and backwards through 0 with positive and negative numbers. Understand the value of HTh, TTh, Th, H, T & Ones 	<ul style="list-style-type: none"> Know all addition and subtraction facts for decimals that total 1 (one DP). Know all addition and subtraction facts for decimals that total 10 (one DP). Find all the factor pairs of a number. 	<ul style="list-style-type: none"> Add and subtract numbers mentally with increasingly large numbers
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none"> Continue to rehearse all multiplication tables up to 12×12 and division facts. Know and apply tests of divisibility: $\times 2$, $\times 3$, $\times 5$, $\times 9$, $\times 10$. Recall prime numbers up to 19. Recognise and use square numbers and cube numbers, and the notation for squared 2 and cubed 3. 	<ul style="list-style-type: none"> Know doubles and halves of all whole numbers to 100. Know doubles and halves of all multiples of 10 to 1000. Know doubles and halves of all multiples of 100 to 10,000 Know the doubles and halves of all two-digit numbers. 	<ul style="list-style-type: none"> Read Roman Numerals to 1000. Know: how many mm in cm. Know: how many ml in a l. Know: how many g in a kg. Know: angles of a triangle and angles at a point



Holden Clough Key Instant Recall Facts - Year 6

To help to develop the children's fluency, below are the expected key instant recall facts (KIRFS) that children should have mastered by the end of the year. Children should be able to instantly:

Place value	Number bonds	Addition and subtraction
<ul style="list-style-type: none">Count forwards and backwards from any given number, in any steps, crossing boundaries and into negative numbers.Know the decimal and percentage equivalents of the fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{3}$, $\frac{2}{3}$, tenths and fifths.Calculate mentally using brackets.Understand the value of M, HTh, TTh, Th, H, T & Ones	<ul style="list-style-type: none">Understand the = sign in balancing equations.Use and understand < and > signs.Find patterns within number bonds to 1 (two DP).Link two decimal place number bonds to 1, to number bonds to 100.Find patterns within number bonds to 1 (three DP).Link three decimal place number bonds to 1, to number bonds to 100.	<ul style="list-style-type: none">Perform mental calculations, including with mixed operations, large numbers and decimals.
Multiplication	Doubling and halving	Measurement
<ul style="list-style-type: none">Continue to rehearse all multiplication tables up to 12×12 and division fact.Know and apply tests of divisibility: $\times 4$, $\times 6$, $\times 8$.Know all square numbers to 12×12.Know all square roots to 10×10.Know the square roots to 15×15.Know all prime numbers within 50.Know the prime numbers within 100	<ul style="list-style-type: none">Know doubles and halves of onedigit decimals.Know doubles and halves of twodigit decimals.Know the doubles and halves of all multiples of 10 to 10,000.Know the doubles and halves of all multiples of 1000 to 100,000.	<ul style="list-style-type: none">Know angles on a straight line.Illustrate and name parts of a circle, including radius, diameter and circumference and know that the diameter is twice the radius.

