

HfL Assessment Criteria for Phase B Steps 1/2/3 (based on curriculum expectations for Year 3)	
Maths – Number	
Understanding the number system	Calculating
<p><b>Fluency Focus: Numbers with up to at least 3 digits (whole numbers and decimals with up to 1 dp) through a wide variety of models and representations</b></p> <ul style="list-style-type: none"> <li>counts:               <ul style="list-style-type: none"> <li>- from 0 in multiples of 4, 8, 50 and 100 (3N1b)</li> <li>- up and down in tenths; recognising that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 (3F1a)</li> </ul> </li> <li>reads, writes, compares and orders numbers up to 1000 in numerals and words (3N2a)</li> <li>recognises the place value of each digit in a three-digit number (hundreds, tens, ones) (3N3)</li> <li>finds 10 or 100 more or less than a given number (3N2b)</li> <li>identifies, represents and estimates numbers using different representations (3N4) <i>including those related to measure</i></li> <li>solves number problems and practical problems within the context of the fluency focus (3N6)</li> <li>understands unit fractions and non-unit fractions with small denominators:               <ul style="list-style-type: none"> <li>- recognises, finds, writes and uses fractions of a discrete set of objects (3F1b and 3F1c)</li> <li>- recognises and shows, using diagrams, equivalent fractions (3F2) <i>e.g. on a number line</i> and deduces relationships between them such as size and equivalence going beyond the [0,1] interval, including relating to measure</li> </ul> </li> <li>compares and orders unit fractions and fractions with the same denominators (3F3)</li> </ul>	<p><b>Arithmetic laws and relationships</b></p> <ul style="list-style-type: none"> <li>estimates the answer to a calculation and uses inverse operations to check answers (3C3) <i>Uses and understands commutativity and associativity (for example, <math>4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240</math>) and multiplication and division facts (for example, using <math>3 \times 2 = 6</math>, <math>6 \div 3 = 2</math> and <math>2 = 6 \div 3</math>) to derive facts (<math>30 \times 2 = 60</math>, <math>60 \div 3 = 20</math> and <math>20 = 60 \div 3</math>)</i></li> </ul> <p><b>Mental fluency</b></p> <ul style="list-style-type: none"> <li>adds and subtracts numbers mentally, including:               <ul style="list-style-type: none"> <li>- a three-digit number and ones</li> <li>- a three-digit number and tens</li> <li>- a three-digit number and hundreds (3C1)</li> </ul> </li> <li>recalls and uses multiplication and division facts for the 3, 4 and 8 multiplication tables (3C6)</li> <li>writes and calculates mathematical statements for multiplication and division using the multiplication tables that children know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods (3C7)</li> </ul> <p><b>Written fluency</b></p> <ul style="list-style-type: none"> <li>adds and subtracts numbers with up to three digits, using formal written methods of columnar addition and subtraction (3C2)</li> </ul> <p><b>Fractions, decimals and percentages</b></p> <ul style="list-style-type: none"> <li>adds and subtracts fractions with the same denominator within one whole <i>e.g.</i>: <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math> (3F4)</li> </ul> <p><b>Solving problems</b></p> <ul style="list-style-type: none"> <li>Solves problems including:               <ul style="list-style-type: none"> <li>- missing number problems, using number facts, place value, and more complex addition and subtraction (3C4)</li> <li>- missing number problems involving multiplication and division</li> <li>- integer scaling problems <i>e.g. four times as high, eight times as long etc.</i></li> <li>- correspondence problems in which n objects are connected to m objects <i>e.g. 3 hats and 4 coats, how many different outfits; 12 sweets shared equally between 4 children; 4 cakes shared equally between 8 children</i> (3C8)</li> <li>- fractions (3F10)</li> </ul> </li> </ul> <p><b>Algebra (in preparation for Year 6 statements)</b></p> <ul style="list-style-type: none"> <li>begins to generalise using simple algebraic statements <i>e.g. there are 4 chairs for every table, calculate the chairs needed for 8/10/n tables</i></li> </ul>

Measurement	Geometry
<p><b>Money</b></p> <ul style="list-style-type: none"> <li>continues to become fluent in recognising the value of coins (2M3a,b)</li> </ul> <p><b>Metric / imperial measures</b></p> <ul style="list-style-type: none"> <li>uses standard metric units of length (m/cm/mm), capacity/volume (l/ml) and mass (kg/g) in a range of contexts to measure (3M2a,b,c), compares (3M1a,b,c), adds and subtracts (3M9b,c,d)                             <ul style="list-style-type: none"> <li>includes mixed units and simple equivalence e.g. <math>5m = 500cm</math></li> <li>reads simple scales, e.g. increments of 2, 5 or 10</li> <li>includes simple scaling by integers when comparing e.g. 5 times as high or twice as long</li> </ul> </li> </ul> <p><b>Perimeter, area, volume</b></p> <ul style="list-style-type: none"> <li>measures the perimeter of simple 2D shapes (3M7)                             <ul style="list-style-type: none"> <li>understands perimeter as a measure of length</li> </ul> </li> </ul> <p><b>Chronology</b></p> <ul style="list-style-type: none"> <li>estimates, reads, tells and writes the time with increasing accuracy to the nearest minute (3M4)                             <ul style="list-style-type: none"> <li>uses both analogue and digital including using Roman numerals from I to XII</li> <li>12 &amp; 24 hour clocks using am and pm where necessary</li> <li>records time</li> </ul> </li> <li>knows and recalls: (3M4e)                             <ul style="list-style-type: none"> <li>the number of seconds in a minute</li> <li>the number of days in each month, year and leap year</li> </ul> </li> <li>uses vocabulary of time such as o'clock, morning, afternoon, noon, midnight (3M4d)</li> <li>compares duration of events (3M4f) including in terms of seconds, minutes and hours</li> </ul> <p><b>Solves problems</b></p> <ul style="list-style-type: none"> <li>adds and subtracts amounts of money to give change using £ and p (3M9a) including mixed units</li> <li>solves problems in practical contexts                             <ul style="list-style-type: none"> <li>calculates the time taken by particular events or tasks</li> <li>solves problems involving length, mass and capacity/volume (3M9)</li> </ul> </li> </ul>	<p><b>Properties of Shape</b></p> <ul style="list-style-type: none"> <li>draws and describes 2D shapes and their properties (3G3a, 3G4a,b)</li> <li>includes reflective symmetry, regular &amp; irregular</li> <li>identifies right angles and angles greater than or less than <math>90^\circ</math>,</li> <li>describes acute and obtuse for angles greater or lesser than a right angle e.g. recognises right-angled and equilateral triangles</li> <li>makes, recognises and describes 3D shapes, and their properties, in different orientations (3G3b) e.g. triangular prism, square based pyramid</li> <li>extends knowledge to symmetrical and non-symmetrical polygons and polyhedral                             <ul style="list-style-type: none"> <li>identifies horizontal and vertical lines (3G2)</li> <li>identifies pairs of perpendicular and parallel lines (3G2)</li> </ul> </li> <li>connects decimals and rounding when drawing and measuring straight lines in cm in a variety of contexts</li> </ul> <p><b>Position and Direction</b></p> <ul style="list-style-type: none"> <li>recognises that two right angles make a half turn, three make three quarters of a turn and four a complete turn (<math>360^\circ</math>) (3G4a)</li> <li>continues to consolidate Y2 statements (2P1 and 2P2)</li> </ul>
	Statistics
	<p><b>Processing, representing and interpreting data</b></p> <ul style="list-style-type: none"> <li>interprets and presents data using bar charts, pictograms and tables (3S1)</li> <li>compares data e.g. say how many more...than... and recognise the category that has most/least</li> <li>uses a key to interpret represented data</li> <li>understands and uses simple scales in pictograms and bar charts with increasing accuracy e.g. 2, 5, 10 units per cm includes reading between labelled divisions</li> <li>solves one-step and two-step questions e.g. How many more? How many fewer? (3S2)</li> <li>uses information presented in scaled bar charts, pictograms and tables in many contexts</li> <li>responds to questions of a more complex nature e.g. How many children took part in this survey altogether? How would the data differ if we asked the children in Year 6?</li> </ul>

Evidence of none or just a few of these skills – refer to Phase A sheets	<b>Entering</b> (some of these aspects secure, or occasional evidence across most skills) = <b>A6</b> (equivalent to B0)	<b>Developing</b> (many of these aspects secure, or more frequent evidence across most skills) = <b>B1</b>	<b>Securing</b> (most of these aspects secure most of the time) = <b>B2</b>	<b>Deepening</b> (almost all of these aspects secure) = <b>B3</b>
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Please refer to the introduction to this document for further guidance about making judgements for tracking progress.