

## Year 3 – Mathematics Intent

### First4Maths Academy Intent Documentation with [Priority Content Highlighted](#)

**\*These documents will be evaluated during their implementation throughout 2025 – 2026 and may be amended to remain in line with any updated national recommendations or changes to assessment.**

#### **Documentation taken into consideration while deciding which steps to list as priority content**

National Curriculum for Mathematics in England

DfE Mathematics Guidance – Ready to Progress Statements

NCETM Prioritisation Materials

Current Assessment Materials used by First4Maths Academy Schools

Maths Horizon Report – How England Should Reform Maths Education for the Age of AI?

Government Curriculum and Assessment Review

The National Curriculum states that, “The expectation is that the majority of pupils will move through the programmes of study at broadly the same pace. However, decisions about when to progress should always be based on the security of pupils’ understanding and their readiness to progress to the next stage. Pupils who grasp concepts rapidly should be challenged through being offered rich and sophisticated problems before any acceleration through new content. Those who are not sufficiently fluent with earlier material should consolidate their understanding, including through additional practice, before moving on.”

#### **Points for schools to consider**

The aim for each year group should be to cover the full national curriculum in depth, however, it is important that all children are given the best chance to build on their starting points, master the content taught and to keep up with the pace of the curriculum delivery.

If the starting points of your cohort mean that full curriculum coverage is not possible during the academic year, or you start to fall behind with the suggested number of weeks allocated to each unit of work, you may decide to move to delivering the prioritised curriculum for some or all of your children. This should always be discussed with your Mathematics Subject Leader prior to delivering the prioritised curriculum and then shared with the next year group teacher during transition.

When considering the intent documentation for any year group, but in particular, Year 6, teachers should be aware that questions linked to all objectives and steps could appear on an end of year assessment or end of KS2 SATs paper. In Year 6, we have considered which steps we would prioritise, prior to SATs, for groups or individuals that may struggle to cover the full curriculum in depth. We have considered the percentage of marks that historically appear on the paper for each topic when making these decisions. The remaining steps can then be covered post SATs, if appropriate for the children, in order to prepare children for high school.

Teachers should consider whether it is possible to integrate some of the steps in black into daily routines, fluency sessions or other curriculum areas, for some or all children, for example, elements of Year 1 Time could be covered through daily routines and additional mental strategies for all 4 operations could be covered with children who need further challenge during fluency sessions.

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Block	Topic		Number of Weeks	Retrieval Focus
1	<a href="#">Number and Place Value</a>		Estimated – 6 weeks	
2	<a href="#">Addition and Subtraction</a>		Estimated – 7 weeks	
3	<a href="#">Multiplication and Division</a>		Estimated – 6 weeks	
4	<a href="#">Money</a>		Estimated – 2 weeks	
5	<a href="#">Fractions and Decimals</a>		Estimated – 5 weeks	
6	<a href="#">Geometry</a>		Estimated – 3 weeks	
7	<a href="#">Statistics</a>		Estimated – 2 weeks	
8	<a href="#">Measure – Time</a>		Estimated – 3 weeks	
9	<a href="#">Measure – Length, Perimeter, Mass and Capacity</a>		Estimated – 3 weeks	

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Block 1			
Number and Place Value			
Substantive Knowledge National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Count from 0 in multiples of 50 and 100; find 10 or 100 more or less than a given number NB – counting in multiples of 4 and 8 will be covered in the multiplication unit		<ul style="list-style-type: none"> <li>Can count in multiples of 50 and 100 and use doubling to explain the relationship between them</li> <li>Can find 10 more or less than a given number and explain which digit changes and which stays the same</li> <li>Can find 100 more or less than a given number and explain which digit changes and which stays the same</li> </ul>	<a href="#">*Introduction to resources</a> <a href="#">*Count in 100s – Ensure the link to counting in 10s</a> <a href="#">*Value of digits with a range of representations</a> <a href="#">*Value of zero in a 3-digit number.</a> *Systematic problem solving – making a range of 3-digit numbers with 3-digit cards <a href="#">*Standard partitioning</a> <a href="#">*Partitioning in non-standard ways</a> <a href="#">*1, 10, 100 more or less</a> <a href="#">*Counting in 50s</a> <a href="#">*Comparing 2 numbers</a> <a href="#">*Positioning numbers on a blank number line</a> <a href="#">*Placing numbers on a scaled number line</a> <a href="#">*Ordering a range of numbers</a> *Application to substantial problems
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	<a href="#">3NPV–2 Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</a>	<ul style="list-style-type: none"> <li>Can identify the number of hundreds, tens and ones in a 3-digit number</li> <li>Can identify the larger of two 3-digit numbers and explain reasoning</li> </ul>	
Compare and order numbers up to 1000	<a href="#">3NPV–3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10</a>  <a href="#">3NPV–4 Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</a>	<ul style="list-style-type: none"> <li>Can position 3-digit numbers on a number line and explain reasoning about where they are positioned</li> </ul>	
Identify, represent and estimate numbers using different representations	<a href="#">3NPV–1 Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</a>	<ul style="list-style-type: none"> <li>Can use representations such as dienes, place value counters and money to represent 3-digit numbers</li> </ul>	
Read and write numbers up to 1000 in numerals and in words		<ul style="list-style-type: none"> <li>Can use understanding of numbers 1 – 100 to read and write numbers to 1000</li> </ul>	
Solve number problems and practical problems involving these ideas.		<ul style="list-style-type: none"> <li>Can solve problems involving number and link to areas such as money and measure</li> </ul>	

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Block 2			
Addition and Subtraction			
Substantive Knowledge	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
<b>National Curriculum</b>			
Add and subtract 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</li> </ul>	<p>3NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice.</p> <p>3NF–3 Apply place-value knowledge to known additive and multiplicative number facts</p> <p>3AS–1 Calculate complements to 100</p> <p>3AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.</p>	<ul style="list-style-type: none"> <li>• Can add and subtract numbers using place value and partitioning, including counting on and back on a number line</li> <li>• Can add and subtract multiples of 10 and compensate</li> <li>• Can count on to find the difference between two numbers</li> </ul>	<p>*Consolidate number facts from KS1</p> <p>*Related number facts using scaling– no bridging</p> <p>*Fact families – no bridging</p> <p>*Missing number questions and inverses – no bridging</p> <p>*Complements to 100</p> <p>*Complements to 1,000</p> <p>*Adding and Subtracting Using Place Value</p> <p>*Adding and Subtracting Using Partitioning</p> <p>*Add a 3–digit number and ones mentally using bridging</p> <p>*Subtract a 3–digit number and ones mentally using bridging</p>
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	<p>3AS–2 Add and subtract up to three–digit numbers using columnar methods</p> <p>3AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.</p>	<ul style="list-style-type: none"> <li>• Can calculate using a formal written method for TU+TU, no bridging and with bridging</li> <li>• Can calculate using a formal written method for HTU+TU, no bridging and with bridging</li> <li>• Can calculate using a formal written method for HTU+HTU, no bridging and with bridging</li> <li>• Can calculate using a formal written method for TU–TU, no bridging and with bridging</li> <li>• Can calculate using a formal written method for HTU–TU, no bridging and with bridging</li> <li>• Calculate using a formal written method for HTU–HTU, no bridging and with bridging.</li> </ul>	<p>*Add a 3–digit number and tens mentally using bridging</p> <p>*Subtract a 3–digit number and tens mentally using bridging</p> <p>*Adding and subtracting a 3–digit number and hundreds mentally</p> <p>*Estimation</p> <p>*Finding the difference</p> <p>*Problem solving with mental calculations</p> <p>*Standard written addition</p> <p>*Standard written subtraction</p>

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Estimate the answer to a calculation and use inverse operations to check answers	3AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.	<ul style="list-style-type: none"> <li>• Round numbers to estimate answers to a problem</li> <li>• Understand how to use the inverse to check answers to a calculation</li> </ul>	*Problem solving and consolidation. *Extending mental strategies (For children who have secured prior content only) <ul style="list-style-type: none"> <li>– Near Doubles</li> <li>– Reordering</li> <li>– Compensating</li> <li>– Adjusting</li> <li>– Partitioning with Bridging</li> </ul>
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	3AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.	<ul style="list-style-type: none"> <li>• Identify the correct information to solve a problem</li> <li>• Find missing box calculations in mental addition</li> <li>• Check solutions and results to see whether they are reasonable</li> </ul>	

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Block 3			
Multiplication and Division			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Count from 0 in multiples of 4, 8	3NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	<ul style="list-style-type: none"> <li>Can count in multiples of 4 and 8 and use doubling to explain the relationship between them</li> </ul>	<ul style="list-style-type: none"> <li>*Recap 2x, 5x, 10x tables</li> <li>*4x tables</li> <li>*8x tables</li> <li>*Making connections between the 2, 4 and 8 times tables</li> <li>*3x tables</li> <li>*Applying times tables facts</li> <li>*Array, commutative, inverse and fact families</li> <li>*Scaling known facts</li> <li>*Multiplying by 10</li> <li>*Doubling and having</li> <li>*Partitioning to multiply</li> <li>*Additional mental strategies (compensating and x by 10 and halving)</li> <li>*Scaling</li> <li>*How many ways correspondence problems</li> <li>*Written multiplication 2-digit by 1-digit</li> <li>*Division</li> <li>*Consolidation and problem solving</li> </ul>
Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables		<ul style="list-style-type: none"> <li>Can recall the 3x table</li> <li>Can recall the 4x table</li> <li>Can recall the 8x table</li> <li>Can use doubling to explain the relationship between the 2, 4 and 8 times tables</li> <li>Can derive related division facts</li> <li>Can understand that division cannot be done in any order</li> </ul>	
Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	3NF–3 Apply place-value knowledge to known additive and multiplicative number facts	<ul style="list-style-type: none"> <li>Can use multiplication facts to solve TU x U using partitioning</li> <li>Can use multiplication facts to solve TU x U using the grid method</li> <li>Can begin to use multiplication facts to solve TU x U using a formal written method</li> <li>Can use derived facts to solve problems involving division e.g. <i>Flowers are grown in rows of 10. There are 73 flowers. How many full rows can be planted?</i></li> <li>Can use mental methods to divide TU by U e.g. <i>For <math>42 \div 3</math>, partition and calculate <math>30 \div 3</math> and <math>12 \div 3</math> then recombine</i></li> <li>Can begin to use a formal written method to divide TU by U</li> </ul>	
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.	3MD–1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.	<ul style="list-style-type: none"> <li>Can solve missing box calculations relating to recall of multiplication and division facts</li> <li>Can solve problems linked to scaling measures e.g. <i>4 times as high</i></li> <li>Can solve correspondence problems such as <i>3 tops, 4 football shorts, how many different outfits can be made?</i></li> <li>Can solve division problems e.g. <i>12 sweets between 3 children or 4 cakes between 8 children</i></li> </ul>	

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Block 4			
Money			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Add and subtract amounts of money to give change, using both £ and p in practical contexts	No specific Ready to Progress statements for Money but use the opportunity to consolidate prior statements as appropriate e.g. <b>3AS–1 Calculate complements to 100</b> when finding change from £1	<ul style="list-style-type: none"> <li>• Can record using £ and p</li> <li>• Can add and subtract amounts of money</li> <li>• Can add and subtract mixed units</li> <li>• Can give change</li> </ul>	<ul style="list-style-type: none"> <li>*Recognising coins</li> <li>*Making amounts</li> <li>*Totalling amounts</li> <li>*Finding the difference between 2 amounts</li> <li>*Giving change</li> <li>*Multiplication and division problems involving money</li> <li>*2 step problems</li> </ul>

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Block 5			
Fractions and Decimals			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10		<ul style="list-style-type: none"> <li>Understands tenths are dividing an object or a number into ten equal parts.</li> <li>Understands tenths are 10 parts of one whole.</li> <li>Can find and place tenths on a number line.</li> <li>Can use tenths in money and metres</li> <li>Can compare and order numbers to 1dp</li> </ul>	<ul style="list-style-type: none"> <li>*Unit fractions</li> <li>*Non-unit fractions</li> <li>*Making a whole</li> <li>*Making a half</li> <li>*Placing fractions on a number line</li> <li>*Equivalent fractions</li> <li>* Ordering and Comparing fractions</li> <li>*Fraction of a quantity</li> <li>*Tenths</li> <li>*Substantial problem solving</li> <li>*Addition of Fractions</li> <li>*Subtraction of Fractions</li> </ul>
Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	3F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. 3F–2 Find unit fractions of quantities using known division facts (multiplication tables fluency).	<ul style="list-style-type: none"> <li>Understand the numerator and denominator in a proper fraction.</li> <li>Can calculate unit fractions by dividing.</li> <li>Can compare unit fractions on a number line.</li> <li>Can calculate non unit fractions by dividing.</li> </ul>	
Recognise and show, using diagrams, equivalent fractions with small denominators		<ul style="list-style-type: none"> <li>Can recognise that one whole is equivalent to two halves, three thirds, four quarters</li> <li>Can work out equivalent fractions using diagrams.</li> </ul>	
Add and subtract fractions with the same denominator within one whole	3F–4 Add and subtract fractions with the same denominator, within 1.	<ul style="list-style-type: none"> <li>Can identify fractions that will total 1</li> <li>Can add fractions with the same denominator up to 1.</li> <li>Can convert fractions to have common denominators.</li> <li>Can subtract fractions with the same denominator within 1.</li> </ul>	
Compare and order unit fractions, and fractions with the same denominators	3F–3 Reason about the location of any fraction within 1 in the linear number system.	<ul style="list-style-type: none"> <li>Can compare and order unit fractions</li> <li>Can compare and order fractions with the same denominator.</li> </ul>	
Solve problems that involve all of the above.		<ul style="list-style-type: none"> <li>Can solve problems that involve all elements of the Year 3 fraction curriculum.</li> </ul>	



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Block 6			
Geometry			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	3G–2 Draw polygons by joining marked points, and identify parallel and perpendicular sides.	<ul style="list-style-type: none"> <li>• Can describe the properties of 2D shapes, including semi-circles, using accurate language about lengths of lines and numbers of vertices</li> <li>• Can recognise shapes with equal side lengths</li> <li>• Can recognise lines of symmetry in 2D shapes</li> <li>• Can sort and classify collections of 2D shapes in different ways using a range of properties</li> <li>• Can use Venn and Carroll diagrams to classify 2D shapes</li> <li>• Can draw 2D shapes with the aid of modelling equipment such as geometric paper, geo boards and geo strips</li> <li>• Can describe the properties of 3D shapes, including hemispheres and prisms, using language such as base, face, vertex and edge</li> <li>• Can recognise and name 3D shapes viewed from different angles</li> <li>• Can recognise and name unseen 3D shapes in a feely bag</li> <li>• Can construct 3D shapes using matchsticks and plasticine</li> </ul>	*Recap of 2D shapes – names and properties *Right angles *Lines *Drawing 2D shapes *Recap 3D shapes *Modelling 3D shapes *3D shapes in different orientations *Problem Solving
Recognise angles as a property of shape or a description of a turn	3G–1 Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.	<ul style="list-style-type: none"> <li>• Can recognise that angles are the amount of turn between two lines</li> <li>• Can describe properties of shapes in terms of the angles formed at vertices</li> </ul>	
Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle		<ul style="list-style-type: none"> <li>• Can identify right angles as <math>90^\circ</math></li> <li>• Can recognise that two right angles make a half turn or <math>180^\circ</math></li> <li>• Can recognise that three right angles make a three quarter turn or <math>270^\circ</math></li> <li>• Can recognise that four right angles make a half turn or <math>360^\circ</math></li> <li>• Can identify angles less than or greater than a right angle</li> </ul>	
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	3G–2 Draw polygons by joining marked points, and identify parallel and perpendicular sides.	<ul style="list-style-type: none"> <li>• Can identify horizontal and vertical lines</li> <li>• Can identify pairs of parallel lines within shapes and around them</li> <li>• Can identify pairs of perpendicular lines within shapes and around them</li> </ul>	

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Block 7			
Statistics			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Interpret and present data using bar charts, pictograms and tables	No specific Ready to Progress statements for Statistics but use the opportunity to consolidate prior statements as appropriate e.g. <b>3NPV–3</b> Reason about the location of any three-digit number in the linear number system and <b>3NPV–4</b> Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts. <b>3NF–1</b> Secure fluency in addition and subtraction facts that bridge 10, through continued practice.	<ul style="list-style-type: none"> <li>• Can interpret data from a pictogram when one symbol represents more than one unit</li> <li>• Can interpret data in graphs and understand varying scales of multiples of 2, 5 and 10 when reading values presented in bar charts</li> <li>• Can create a tally chart and understand that grouping in 5s helps with the accuracy and speed of counting the totals</li> <li>• Can transfer data from a tally chart to a table</li> <li>• Can create a bar chart to represent data</li> </ul>	<p>*Pictograms including when one symbol represents more than one unit</p> <p>*Bar charts</p> <p>*Solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables</p>
Solve one-step and two-step questions [for example, ‘how many more?’ and ‘how many fewer?’] using information presented in scaled bar charts and pictograms and tables		<ul style="list-style-type: none"> <li>• Can answer questions from a bar chart that involve comparison, sum and difference</li> <li>• Can answer questions from a pictogram that involve comparison, sum and difference</li> <li>• Can answer questions from a table that involve comparison, sum and difference</li> </ul>	

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Block 8			
Measure – Time			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks		<ul style="list-style-type: none"> <li>• Can read times in analogue format to the minute</li> <li>• Can read times in digital format to the minute</li> <li>• Can read clocks displayed using Roman numerals to the minute</li> </ul>	<p>*Recap o'clock, half past, quarter past and quarter to.</p> <p>*Recap telling the time to the nearest 5 mins</p> <p>*Time to the minute past the hour</p> <p>*Time to the nearest minute to the hour</p> <p>*Show link to Roman Numerals on a clock</p>
Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight		<ul style="list-style-type: none"> <li>• Can estimate how long something should take to complete</li> <li>• Can use vocabulary accurately: seconds, minutes, hours, o'clock, am/pm, morning, afternoon, noon and midnight</li> <li>• Can solve routine problems involving time using a time line</li> </ul>	<p>*Understand the vocabulary of AM/PM</p> <p>*Tell and write the time from a 24-hour clock</p> <p>*Record and compare time in seconds and minutes</p> <p>* Solving duration problems</p> <p>A – Duration when given start and end</p> <p>B – End when given start and duration</p> <p>C – Start when given end and duration</p>
Know the number of seconds in a minute and the number of days in each month, year and leap year		<ul style="list-style-type: none"> <li>• Can say how many seconds there are in a minute</li> <li>• Can say how many days there are in a month</li> <li>• Can say how many days there are in a year (including leap years)</li> </ul>	<p>*Equivalent Units of Time Including Days in a Year and Month</p> <p>*Application to substantial problems</p>
Compare durations of events [for example to calculate the time taken by particular events or tasks].		<ul style="list-style-type: none"> <li>• Can identify the finish time of an event when given the start and the duration</li> <li>• Can work out the difference between the start and finish time of an event.</li> <li>• Can work out the start time if given the duration and end timings of an event.</li> </ul>	

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Block 9			
Measure – Length, Perimeter, Mass and Capacity			
Substantive Knowledge  National Curriculum	Ready to Progress	Key Performance Indicators	Sequence of learning Detailed in Planning Overview
Measure, compare, add and subtract: lengths (m/cm/mm);	No specific Ready to Progress statements for Length and Perimeter but use the opportunity to consolidate prior statements as appropriate e.g. <b>3NPV–3</b> Reason about the location of any three-digit number in the linear number system and <b>3NPV–4</b> Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts. <b>3NF–1</b> Secure fluency in addition and subtraction facts that bridge 10, through continued practice.	<ul style="list-style-type: none"> <li>• Can show something that they think is just shorter/longer than a metre/centimetre/millimetre and can check if they are right using correct apparatus</li> <li>• Can measure accurately in m/cm/mm;</li> <li>• Can compare measures using the appropriate scale</li> <li>• Can read scales accurately and say what each division is worth</li> <li>• Can add and subtract measures</li> <li>• Can compare and use mixed units e.g. <i>1m and 20cm</i></li> <li>• Can work out equivalents in all areas of measure e.g. <i>5m = 500cm</i></li> <li>• Can complete simple scaling by integers (e.g. a given quantity or measure is twice as long or five times as high) and connects this to multiplication.</li> </ul>	<p>Consider links to PE/Sports Day, Olympics/Commonwealth Games</p> <p><b>Length</b>            *Measuring length            *Equivalence of cm/mm            *Equivalence of m/cm            *Estimate lengths            *Work out equivalent lengths            *Compare lengths</p> <p><b>Perimeter</b>            *Calculate Perimeter of simple 2d shapes            *Measure perimeter of shapes and larger spaces e.g classroom</p> <p><b>Capacity</b>            *Explore vocab for measuring capacity and volume            *Explore equivalent conversions to common capacity measures e.g 500ml = ½ litre            *Read scales            *Measure in l/ml</p>
Measure the perimeter of simple 2-D shapes		<ul style="list-style-type: none"> <li>• Can measure the sides of regular polygons in centimetres and millimetres and find their perimeters in centimetres and millimetres</li> </ul>	
Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)		<ul style="list-style-type: none"> <li>• Can say which object in the classroom is heavier than 100 g/kilogram/half-kilogram and know how to check if they are correct.</li> <li>• Can measure accurately in kg/g; l/ml</li> <li>• Can compare measures using the appropriate scale</li> <li>• Can read scales accurately and say what each division is worth</li> </ul>	

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		<ul style="list-style-type: none"><li>• Can add and subtract measures</li><li>• Can compare and use mixed units <i>e.g. 1kg and 200g</i></li><li>• Can work out equivalents in all areas of measure <i>e.g. 1 litre = 1000ml</i></li><li>• Can complete simple scaling by integers (e.g. a given quantity or measure is twice as much or 3 times the amount of flour) and connects this to multiplication.</li></ul>	<b>Mass</b> <i>*Explore vocab for measuring mass</i> <i>* Explore equivalent conversions to common mass measures e.g 500g = <math>\frac{1}{2}</math> kg</i> <i>*Read scales</i> <i>*Measure in g/kg</i>
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