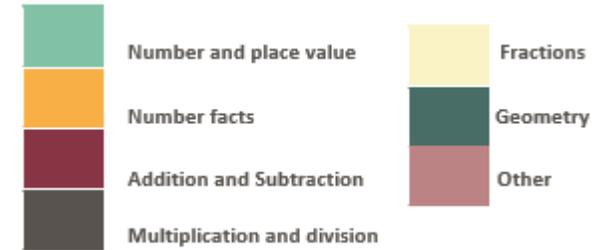


Year 3 and 4 Maths Curriculum

Year B



B	Year 3 and 4	NC Objectives which feature in each unit
1 ⚓	<p>NCETM Year 3 Unit 1 - Adding and subtracting across 10</p> <ul style="list-style-type: none"> 2AS–1 Add and subtract across 10. 3NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice. 1.11 Addition and subtraction: bridging 10 	<p>Y3 Number – Addition and Subtraction Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods adding three one-digit numbers show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (NC Y2 NCETM Y3) <p>Non Statutory Notes NAS - Pupils extend their understanding of the language of addition and subtraction to include sum and difference. NAS - Pupils practise addition and subtraction to 20 to become increasingly fluent in deriving facts such as using $3 + 7 = 10$; $10 - 7 = 3$ and $7 = 10 - 3$ to calculate $30 + 70 = 100$; $100 - 70 = 30$ and $70 = 100 - 30$. They check their calculations, including by adding to check subtraction and adding numbers in a different order to check addition (for example, $5 + 2 + 1 = 1 + 5 + 2 = 1 + 2 + 5$). This establishes commutativity and associativity of addition. NB – This will be taught as an over teach/deepen unit in both the Year A and Year B cycle.</p>
2 ⚓	<p>NCETM Year 3 Unit 2 - Numbers to 1000</p> <ul style="list-style-type: none"> 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. 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. (Learning Outcomes 24, 25, 27-33) 	<p>Number – Number and Place Value</p> <ul style="list-style-type: none"> recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words
3	<p>Manipulating the additive relationship and securing mental calculation</p> <ul style="list-style-type: none"> 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. 1.19 Securing mental strategies: calculation up to 999 	<p>Y3 Number - Addition and Subtraction</p> <ul style="list-style-type: none"> add and subtract numbers mentally, including a three-digit number and ones a three-digit number and tens a three-digit number and hundreds estimate the answer to a calculation and use inverse operations to check answers solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction <p>Non Statutory Notes NAS - Pupils practise solving varied addition and subtraction questions. For mental calculations with two-digit numbers, the answers could exceed 100. NAS - Pupils practise solving varied addition and subtraction questions. For mental calculations with two-digit numbers, the answers could exceed 100.</p>

<p style="text-align: center;">4 ⚓</p>	<p>NCETM Year 3 Unit 5 - Column addition (Including NCETM Year 4 Unit 1 - review of Column addition)</p> <ul style="list-style-type: none"> • 3AS–2 Add and subtract up to three-digit numbers using columnar methods. • 1.20 Algorithms: column addition 	<p>Number - Addition and Subtraction</p> <ul style="list-style-type: none"> • add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3) • estimate the answer to a calculation and use inverse operations to check answers (Y3 and Y4) • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (Y3) • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtractions where appropriate (Y4) • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4) <p>Non Statutory Notes</p> <p style="text-align: right;">NAS - Pupils use their understanding of place value and partitioning, and practise using columnar addition and subtraction with increasingly large numbers up to three digits to become fluent (see Mathematics Appendix 1) (Y3)</p> <p>NAS - Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency (see Mathematics Appendix 1) (Y4)</p> <p>NB – This will be taught as an over teach unit in both the Year A and Year B cycle.</p>
<p style="text-align: center;">5 ⚓</p>	<p>NCETM Year 3 Unit 7 - Column subtraction (Including NCETM Year 4 Unit 1 - review of Column subtraction)</p> <ul style="list-style-type: none"> • 3AS–2 Add and subtract up to three-digit numbers using columnar methods. • 1.21 Algorithms: column subtraction 	<p>Number - Addition and Subtraction</p> <ul style="list-style-type: none"> • add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3) • estimate the answer to a calculation and use inverse operations to check answers (Y3 and 4) • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (Y3) • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtractions where appropriate (Y4) • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4) <p>Non Statutory Notes</p> <p style="text-align: right;">NAS - Pupils use their understanding of place value and partitioning, and practise using columnar addition and subtraction with increasingly large numbers up to three digits to become fluent (see Mathematics Appendix 1). (Y3)</p> <p>NAS - Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency (see Mathematics Appendix 1) (Y4)</p> <p>NB – This will be taught as an over teach unit in both the Year A and Year B cycle.</p>
<p style="text-align: center;">6</p>	<p>NCETM Year 3 Unit 6 - 2, 4, 8 times tables</p> <ul style="list-style-type: none"> • 3MD–1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division. • 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. • 3NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10). • 2.7 Times tables: 2, 4 and 8, and the relationship between them 	<p>Y3 Number – Multiplication and Division</p> <ul style="list-style-type: none"> • recall and use multiplication and division facts for the 2, 4 and 8 multiplication tables (3x table NC Y3 NCETM Y4) • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, <p>Non Statutory Notes</p> <p>NMD - Pupils now use multiples of 2, 3, 4, 5, 8, 10, 50 and 100. (3x table NC Y3 NCETM Y4)</p> <p>NMD - Pupils continue to practise their mental recall of multiplication tables when they are calculating mathematical statements in order to improve fluency. Through doubling, they connect the 2, 4 and 8 multiplication tables.</p>
<p style="text-align: center;">7</p>	<p>NCETM Year 4 Unit 6 - Understanding and manipulating multiplicative relationships</p> <ul style="list-style-type: none"> • 4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. 	<p>Y4 Number – Multiplication and Division</p> <ul style="list-style-type: none"> • recall multiplication and division facts for multiplication tables up to 12 × 12 (year 4) • solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit <p>Non Statutory Notes</p>

	<ul style="list-style-type: none"> • 4MD–2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. • 4MD–3 Understand and apply the distributive property of multiplication. • 4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) • 2.10 Connecting multiplication and division, and the distributive law • 2.13 Calculation: multiplying and dividing by 10 or 100 	<p>NMD - Pupils write statements about the equality of expressions (for example, use the distributive law $39 \times 7 = 30 \times 7 + 9 \times 7$ and associative law $(2 \times 3) \times 4 = 2 \times (3 \times 4)$). They combine their knowledge of number facts and rules of arithmetic to solve mental and written calculations for example, $2 \times 6 \times 5 = 10 \times 6 = 60$.</p>
<p>8 ↓</p>	<p>NCETM Year 3 Unit 8 - Unit fractions</p> <ul style="list-style-type: none"> • 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). • 3.1 Preparing for fractions: the part–whole relationship • 3.2 Unit fractions: identifying, representing and comparing 	<p>Y3 Number - Fractions</p> <ul style="list-style-type: none"> • recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • compare and order unit fractions, and fractions with the same denominators • add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$] • solve problems that involve all of the above. <p>Non Statutory Notes</p> <p>NF - Pupils make connections between fractions of a length, of a shape and as a representation of one whole or set of quantities. (NC Y4 NCETM Y3)</p> <p>NF - They begin to understand unit and non-unit fractions as numbers on the number line, and deduce relations between them, such as size and equivalence. They should go beyond the [0, 1] interval, including relating this to measure.</p> <p>NF - Pupils understand the relation between unit fractions as operators (fractions of), and division by integers.</p> <p>NF - They continue to recognise fractions in the context of parts of a whole, numbers, measurements, a shape, and unit fractions as a division of a quantity.</p>
<p>9 ↓</p>	<p>NCETM Year 3 Unit 9 - Non-unit fractions</p> <ul style="list-style-type: none"> • 3F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. • 3F–3 Reason about the location of any fraction within 1 in the linear number system. • 3F–4 Add and subtract fractions with the same denominator, within 1. • 3.3 Non-unit fractions: identifying, representing and comparing • 3.4 Adding and subtracting within one whole 	<p>Y3 Number - Fractions</p> <ul style="list-style-type: none"> • recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • compare and order unit fractions, and fractions with the same denominators • add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$] • solve problems that involve all of the above. <p>Non Statutory Notes</p> <p>NF - Pupils make connections between fractions of a length, of a shape and as a representation of one whole or set of quantities. (NC Y4 NCTM Y3)</p> <p>NF - They begin to understand unit and non-unit fractions as numbers on the number line, and deduce relations between them, such as size and equivalence. They should go beyond the [0, 1] interval, including relating this to measure.</p> <p>NF - They continue to recognise fractions in the context of parts of a whole, numbers, measurements, a shape, and unit fractions as a division of a quantity.</p> <p>NF - Pupils practise adding and subtracting fractions with the same denominator through a variety of increasingly complex problems to improve fluency.</p>
<p>10 ↓</p>	<p>NCETM Year 4 Unit 9 – Introduction to Fractions greater than 1</p> <ul style="list-style-type: none"> • 4F–1 Reason about the location of mixed numbers in the linear number system. 	<p>NB – This will be taught as an over teach in both the Year A and Year B cycle – RtP Criteria 4F-1 Reason about the location of mixed numbers in the linear number system only.</p>
<p>11</p>	<p>NCETM Year 3 Unit 3 - Right angles</p> <ul style="list-style-type: none"> • 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. 	<p>Y3 Geometry – Properties of Shape</p> <ul style="list-style-type: none"> • recognise angles as a property of shape or a description of a turn • 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

12	<p>NCETM Year 4 Unit 3 - Perimeter and Right Angles</p> <ul style="list-style-type: none"> • 4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons. • 2.16 Multiplicative contexts: area and perimeter 1 	<p>Y4 Measure</p> <ul style="list-style-type: none"> • measure the perimeter of simple 2-D shapes (NC Y3 NCETM Y4) • measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • convert between different units of measure [for example, kilometre to metre; hour to minute] • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres (NC Y5 NCETM Y4) • distinguish between regular and irregular polygons based on reasoning about equal sides and angles (NC Y5 NCETM Y4) <p>Y4 Geometry – Properties of Shapes</p> <ul style="list-style-type: none"> • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes <p>Non Statutory Notes</p> <p>GPS - Perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit.</p> <p>GPS - Pupils continue to classify shapes using geometrical properties, extending to classifying different triangles (for example, isosceles, equilateral, scalene) and quadrilaterals (for example, parallelogram, rhombus, trapezium).</p> <p>GPS - Pupils compare and order angles in preparation for using a protractor</p> <p>M - Pupils calculate the perimeter of rectangles and related composite shapes, including using the relations of perimeter or area to find unknown lengths. Missing measures questions such as these can be expressed algebraically, for example $4 + 2b = 20$ for a rectangle of sides 2 cm and b cm and perimeter of 20cm. (NC Y5 NCTEM Y4)</p>
13	<p>NCETM Year 4 Unit 7 - Coordinates</p> <ul style="list-style-type: none"> • 4G–1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant. 	<p>Y4 Geometry – Position and Direction</p> <ul style="list-style-type: none"> • describe positions on a 2-D grid as coordinates in the first quadrant • describe movements between positions as translations of a given unit to the left/right and up/down • plot specified points and draw sides to complete a given polygon <p>Non Statutory Notes</p> <p>Pupils draw a pair of axes in one quadrant, with equal scales and integer labels. They read, write and use pairs of coordinates, for example (2, 5), including using coordinate plotting ICT tools</p>
14	<p>NCETM Year 3 Unit 13 - Time</p> <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery PD Materials. 	<p>Y3 Measurement</p> <ul style="list-style-type: none"> • tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks • 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 • know the number of seconds in a minute and the number of days in each month, year and leap year • compare durations of events [for example to calculate the time taken by particular events or tasks]. <p>Non Statutory Notes</p> <p>M - Pupils use both analogue and digital 12-hour clocks and record their times. In this way they become fluent in and prepared for using digital 24-hour clocks in year 4.</p>
15	<p>NCETM Year 4 Unit 12 - Division with remainders</p> <ul style="list-style-type: none"> • 4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders. • 2.12 Division with remainders 	<p>Number – Multiplication and Division</p> <ul style="list-style-type: none"> • recall multiplication and division facts for multiplication tables up to 12×12

Y3/4 B	1	2	3	4	5	6	7	8	9	10	11	12	13
C1	Unit 1 (NCETM Y3) Oak Y3 Unit 1		Unit 2 (NCETM Y3) Oak Y3 Unit 2		Unit 3 (NCETM Y3 Unit 4) Oak Y3 Unit 3 , Unit 9				Unit 4 (NCETM Y3 Unit 5 and Y4 Unit 1) Oak Y4 Unit 1		Unit 5 (NCETM Y3 Unit 7 and Y4 Unit 1) Oak Y3 Unit 11	Unit 6 (NCETM Year 3 Unit 6) Oak Y3 Unit 11	
	Adding and subtracting across 10 ⬇️		Numbers to 1,000 ⬇️		Manipulating the additive relationship and securing mental calculation				Column addition Review of column addition ⬇️		Column subtraction ⬇️ Review of column subtraction	2, 4 and 8 times tables	
FF Y3	Adding 1 Commutative: 7 +1 and 1 +7	Doubles of numbers to 5 1+1, 2+2, 3+3, 4+4, 5+5	Adding 2 Commutative: 7 +2 and 2 +7	Number bonds to 10 Commutative: 0+10, 1+9, 2+8, 3+7, 4+6		Adding 10 To single digits	Adding 0 Commutative	The ones without a family 3 +5, 5+3, 3+6, 6+3	Near Doubles within 10 3+4 4+3, 4+5, 5+4	Doubles of numbers to 10 6+6, 7+7, 8+8, 9+9, 10+10	Near doubles bridging 10 5+6, 6+5, 6+7, 7+6	Near doubles bridging 10 7+8, 8+7, 8+9, 9+8	Bridging 10 3+8, 8+3 3+9, 9+3
FF Y4	Recap Year 3 All Addition/Subtraction facts within 10. and 2,5,4, 10 tts			3 times table 4 new facts (3x3, 6x3, 7x3, 9x3)			All 3 times table Plus all previously learnt facts			6 times table 3 new facts (6x6, 7x6, 9x6)			All 6 times table Plus all previously learnt facts
C2	Unit 6 (NCETM Year 3 Unit 6)	Unit 7 (NCETM Y4 – Unit 6) Oak Y4 Unit 12 , Unit 13 , Unit 14						Unit 8 (NCETM Y3 Unit 8) Oak Y3 Unit 13 , Unit 14 , Unit 15 , Unit 16				Unit 9 (NCETM Y3 Unit 9) Oak Y3 Unit 17	
	2, 4 and 8 times tables	Understanding and manipulating multiplicative relationships						⬇️ Unit fractions				⬇️ Non-unit fractions	
FF Y3	Bridging 10 4+7, 7+4, 4+8, 8+4, 4+9, 9+4	Bridging 10 5+7, 7+5, 5+8, 8+5, 5+9, 9+5	Bridging 10 6+8, 8+6, 6+9, 9+6	All additive facts mix	2 times table (multiplier first)	2 times table (multiplier first or second)	2 times table (division facts added in)	2 times table	2 times table	5 times table (2x5 to 6x 5)	5 times table (2x5 to 6x 5)	5 times table (7x5 to 9x5)	5 times table (all)
FF Y4	All 6 times table Plus all previously learnt facts		9 times table 2 new facts (9x7, 9x9)			All 9 times table Plus all previously learnt facts	7 times tables 1 new fact (7x7)		All 7 times tables plus previously learnt facts	11 times table	11 times table plus previously learnt facts	12 times table	12 times table plus previously learnt facts
C3	Unit 9 (NCETM Y3 Unit 9) Oak Y3 Unit 18		Unit 10 (NCETM Y4 Unit 9) Oak Y4 Unit 17		Unit 11 (NCETM Y3 Unit 3) Oak Y3 Unit 7		Unit 12 (NCETM Y4 Unit 3) Oak Y4 Unit 6		Unit 13 (NCETM Y4 Unit 7) Oak Y4 Unit 15		Unit 14 (NCETM Y3 Unit 11) Oak Y3 Unit 20 Time	Unit 15 (NCETM Y4 Unit 12) Oak Y4 Unit 24	
	⬇️ Non-unit fractions		Intro to fractions greater than 1 ⬇️		Right Angles		Perimeter		Coordinates			Division with remainders	

FF Y3	5 times table (all) and 2tt	4 times table (2 x4 to 6x4)	4 times table (7 x4 to 9x4)	4 times table all facts comm and division facts	2, 4, 5tt facts comm and division facts	2, 4, 5tt facts comm and division facts	2, 4, 5tt facts comm and division facts	8 times table (8x3, 8x6, 8x7, 8x8, 8x9)	8 times table (8x3, 8x6, 8x7, 8x8, 8x9)	8 times table (all)	2, 4, 5, 8tt facts comm and division facts	2, 4, 5, 8tt facts comm and division facts	2, 4, 5, 8tt facts comm and division facts	
FF Y4	All times tables up to 12x12		All to 12 x12 practice - online practice and targeted booklet intervention						MTC		All to 9x9 practice for some and All in MTC for some			

[Ready to progress Criteria Year 3 and Year 4 with examples and assessment questions - page 82 onwards](#)

Year 3 and 4 Assessments:

Assess all throughout Summer Term and formatively assess during the year at following points:

Ready-to-progress criteria strands	Code
Number and place value	NPV
Number facts	NF
Addition and subtraction	AS
Multiplication and division	MD
Fractions	F
Geometry	G

RTP - Mixed Age Year 3 / 4 Year B	Last Taught in	Assess End of Cycle
<ul style="list-style-type: none"> • 2AS-1 Add and subtract across 10. 	YA and YB	1
<ul style="list-style-type: none"> • 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. 	Unit 2	1
<ul style="list-style-type: none"> • 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. 	Unit 2	1
<ul style="list-style-type: none"> • 3NF-1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice. 	unit 1	1
<ul style="list-style-type: none"> • 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. 	unit 6	2
<ul style="list-style-type: none"> • 3NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10). 	unit 6	2
<ul style="list-style-type: none"> • 4NF-2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders. 	unit 15	3
<ul style="list-style-type: none"> • 4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) 	unit 7	2
<ul style="list-style-type: none"> • 3AS-2 Add and subtract up to three-digit numbers using columnar methods. 	unit 5	2
<ul style="list-style-type: none"> • 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. 	unit 3	1
<ul style="list-style-type: none"> • 3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division. 	unit 6	2
<ul style="list-style-type: none"> • 4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. 	unit 7	2
<ul style="list-style-type: none"> • 4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. 	unit 7	2

● 4MD-3 Understand and apply the distributive property of multiplication.	unit 7	2
● ⚓ 3F-1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.	⚓ unit 9	3
● ⚓ 3F-2 Find unit fractions of quantities using known division facts (multiplication tables fluency).	⚓ unit 8	3
● 3F-3 Reason about the location of any fraction within 1 in the linear number system.	⚓ unit 9	3
● ⚓ 3F-4 Add and subtract fractions with the same denominator, within 1.	⚓ unit 9	3
● ⚓ 4F-1 Reason about the location of mixed numbers in the linear number system.	unit 10	3
● 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.	unit 11	3
● 4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.	unit 13	3
● 4G-2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.	unit 12	3
Year 3 Foundational Fluency Facts		
1. Secure fluency in addition and subtraction facts to and that bridge 10, through continued practice.	FFF Cycle 1	1,2,3
2. Recall multiplication facts, and corresponding division facts, in the 5, 2, 4, 8 and 10 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	FFF Cycle 2 and 3	1,2,3
Year 4 Foundational Fluency Facts		
1. Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4, and 10 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	FFF Year 3 (to consolidate)	1,2,3
2. Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.	FFF Cycle 1,2,3	1,2,3

Y3/4 B	1	2	3	4	5	6	7	8	9	10	11	12	12
C1	Unit 1 (NCETM Y3)		Unit 2 (NCETM Y3)		Unit 3 (NCETM Y3 Unit 4) Manipulating the additive relationship and securing mental calculation				Unit 4 (NCETM Y3 Unit 5 and Y4 Unit 1)		Unit 5 (NCETM Y3 Unit 7 and Y4 Unit 1) Column subtraction Review of column subtraction	Unit 6 (NCETM Year 3 Unit 6)	
	Adding and subtracting across 10 ⚓		Numbers to 1,000 ⚓						Column addition Review of column addition ⚓			2, 4 and 8 times tables	
C2	Unit 6 (NCETM Year 3 Unit 6)	Unit 7 (NCETM Y4 – Unit 6)				Unit 8 (NCETM Y3 Unit 8)				Unit 9 (NCETM Y3 Unit 9)			
	2, 4 and 8 times tables	Understanding and manipulating multiplicative relationships				⚓ Unit fractions				⚓ Non-unit fractions			
C3	Unit 9 (NCETM Y3 Unit 9) ⚓ Non-unit fractions		Unit 10 (NCETM Y4 Unit 9) Intro to fractions greater than 1 ⚓		Unit 11 (NCETM Y3 Unit 3) Right Angles	Unit 12 (NCETM Y4 Unit 3) Perimeter	Unit 13 (NCETM Y4 Unit 7) Coordinates				Unit 15 (NCETM Y4 Unit 12) Division with remainders		