

Maths Curriculum Overview 2021/22 – Blue Phase (3)

	Autumn		Spring		Summer	
Week	1	2	1	2	1	2
1	Assessment Week	Number – Place value Multiplication Can I recall multiplication facts for multiplication tables up to 12×12 ? Can I use place value, known and derived facts to multiply mentally, including: multiplying by 0 and 1; multiplying together three numbers?	Assessment Week	Measure Money Can I add and subtract amounts of money to give change, using both £ and p in practical contexts? Can I count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten?	Assessment Week	Measure Time Can I read, write and convert time between analogue and digital 12- and 24-hour clocks? Can I solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days?
2	Number – Place value Place Value Can I count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number? Can I recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones)?	Number – Place value Place Value Can I count in multiples of 6, 7, 9, 25 and 1000? Can I find 1000 more or less than a given number?	Geometry Position and Movement Can I describe positions on a 2-D grid as coordinates in the first quadrant?	Measure Measurement Can I measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)? Can I convert between different units of measure [for example, kilometre to metre; hour to minute]?	Statistics Can I interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs? Can I solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs?	Measure Measurement Can I measure the perimeter of simple 2-D shapes? Can I find the area of rectilinear shapes by counting squares?

3	<p>Number – Place value</p> <p>Place Value</p> <p>Can I identify, represent and estimate numbers using different representations?</p> <p>Can I round numbers to the nearest 10/100/1000?</p>	<p>Number – Place value</p> <p>Division</p> <p>Can I recall division facts for multiplication tables up to 12 x 12?</p>	<p>Number – Place value</p> <p>Place Value</p> <p>Can I order and compare numbers beyond 1000?</p> <p>Can I count backwards through zero to include negative numbers?</p>	<p>Number – Place value</p> <p>Place Value</p> <p>Can I read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value?</p> <p>Can I solve number and practical problems that involve all of the above and with increasingly large positive numbers?</p>	<p>Number – Place value</p> <p>Fractions / Decimals</p> <p>Percentages</p> <p>Can I count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten?</p> <p>Can I recognise and write decimal equivalents of any number of tenths or hundredths?</p>	<p>Number – Place value</p> <p>Place Value</p> <p>Can I solve number and practical problems that involve all of the above and with increasingly large positive numbers?</p>
4	<p>Number – Place value</p> <p>Addition</p> <p>Can I add numbers with up to 4 digits using the formal written methods of columnar addition where appropriate?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>	<p>Number – Place value</p> <p>Division</p> <p>Can I recall division facts for multiplication tables up to 12 x 12?</p> <p>Can I use place value, known and derived facts to multiply and divide mentally, including; dividing by 1?</p>	<p>Number – Place value</p> <p>Addition</p> <p>Can I solve addition two-step problems in contexts, deciding which operations and methods to use and why?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>	<p>Number – Place value</p> <p>Multiplication and Division</p> <p>Can I recognise and use factor pairs and commutativity in mental calculations?</p> <p>Can I multiply two-digit and three-digit numbers by a one-digit number using formal written layout?</p> <p>Can I solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects?</p>	<p>Number – Place value</p> <p>Fractions / Decimals</p> <p>Percentages</p> <p>Can I solve problems involving increasingly harder fractions and decimals to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number?</p>	<p>Number – Place value</p> <p>Addition and Subtraction</p> <p>Can I solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>
5	<p>Number – Place value</p> <p>Subtraction</p>	<p>Number – Place value</p> <p>Fractions</p>	<p>Number – Place value</p> <p>Subtraction</p>	<p>Measure</p> <p>Time</p> <p>Can I read, write and convert time between analogue and digital 12- and 24-hour clocks?</p> <p>Can I solve problems involving converting from hours to minutes; minutes to</p>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I identify lines of symmetry in 2-D shapes presented in different orientations?</p>	<p>Number – Place value</p> <p>Multiplication and Division</p> <p>Can I recall multiplication facts for multiplication tables up to 12 x 12?</p>

	<p>Can I subtract numbers with up to 4 digits using the formal written methods of columnar subtraction where appropriate?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>	<p>Can I compare and order unit fractions, and fractions with the same denominators?</p> <p>Can I recognise and show, using diagrams, equivalent fractions with small denominators?</p>	<p>Can I solve subtraction two-step problems in contexts, deciding which operations and methods to use and why?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>	seconds; years to months; weeks to days?	Can I complete a simple symmetric figure with respect to a specific line of symmetry?	Can I solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects?
6	<p>Number – Place value</p> <p>Addition and Subtraction</p> <p>Can I solve addition one/two-step problems in contexts, deciding which operations and methods to use and why?</p> <p>Can I estimate and use inverse operations to check answers to a calculation?</p>	<p>Number – Place value</p> <p>Fractions</p> <p>Can I add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$]?</p>	<p>Measure</p> <p>Time</p> <p>Can I tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks?</p> <p>Can I 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?</p>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes?</p> <p>Can I identify acute and obtuse angles and compare and order angles up to two right angles by size?</p>	<p>Geometry</p> <p>Position and Movement</p> <p>Can I describe movements between positions as translations of a given unit to the left/right and up/down?</p> <p>Can I plot specified points and draw sides to complete a given polygon?</p>	<p>Statistics</p> <p>Can I interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs?</p> <p>Can I solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs?</p>
7	<p>Number – Place value</p> <p>Multiplication</p> <p>Can I recall multiplication facts for multiplication tables up to 12×12?</p>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes?</p>				<p>Measure</p> <p>Money</p> <p>Can I find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths?</p> <p>Can I solve simple measure and money problems involving fractions and decimals to two decimal places?</p>

Topic coverage (number of weeks)

Place Value – 6

Addition & Subtraction – 6

Time – 3

Money – 2

Shape – 3

Position & Movement – 2

Multiplication & Division – 6

Statistics – 2

Measurement - 2

Fractions/Decimals/Percentages – 4

Extended coverage through – mental maths, investigative questioning, next steps, interventions, cross-topic links