



# Maths Termly Expectations Cycle A 2022/23 Y3 missing Term 4

Year Group	Autumn	Spring	Summer
Year R	<b>Term 1</b> Matching and sorting Comparing amounts Compare size, mass and capacity Exploring pattern Representing 1, 2 and 3 Comparing 1, 2 and 3 Composition of 1, 2 and 3	<b>Term3</b> Introducing zero Comparing numbers to 5 Composition of 4 and 5 Comparing Mass Comparing Capacity Introducing 6,7 and 8 Combining two amounts Making pairs Length and height	<b>Term 5</b> To 20 and beyond Build numbers beyond 10 Count patterns beyond 10 Spatial reasoning Match, rotate and manipulate Adding more Taking aware
	<b>Term 2</b> Circles and triangles Positional language Representing numbers to 5 One more of less Shapes with 4 sides Time	<b>Term 4</b> Counting to 9 and 10 Comparing numbers to 10 Bonds to 10 3D Shapes Spatial awareness Patterns	<b>Term 6</b> Spatial reasoning Compose and decompose Doubling and sharing Even and odd Spatial reasoning Visualise and build Patterns and relationships Mapping
	Autumn	Spring	Summer
1	<b>Term 1</b> <b>Place value</b> <ul style="list-style-type: none"> <li>Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number</li> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> </ul>	<b>Term 3</b> <b>Compare lengths and heights</b> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time</li> <li>Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; time</li> </ul> <b>Multiplication and Division</b> <ul style="list-style-type: none"> <li>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> </ul>	<b>Term 5</b> Details of new materials forthcoming

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	<ul style="list-style-type: none"> <li>• Compare numbers using and = signs</li> <li>• Read and write numbers from 1 to 20 in numerals and words</li> </ul> <p><b>Place Value within 20</b></p> <ul style="list-style-type: none"> <li>• Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> <li>• Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s</li> <li>• Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number</li> <li>• Read and write numbers from 1 to 20 in numerals and words</li> <li>• Given a number, identify 1 more and 1 less</li> </ul>	<ul style="list-style-type: none"> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul>	
	<p><b>Term 2</b></p> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>• Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer)</li> <li>• Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li> <li>• Represent and use number bonds and related subtraction facts within 20</li> <li>• Add and subtract 1-digit and 2-digit numbers to 20, including zero</li> </ul> <p><b>Shape</b></p> <p>Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and</p>	<p><b>Term 4</b></p> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul> <p><b>Place Value within 50</b></p> <ul style="list-style-type: none"> <li>• Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number</li> <li>• Identify and represent numbers using objects and pictorial representations including the</li> </ul>	<p><b>Term 6</b></p> <p>Details of Summer due March 23</p>

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	triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]	<p>number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <ul style="list-style-type: none"> <li>Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s</li> <li>Given a number, identify 1 more and 1 less</li> </ul> <p><b>Mass and Volume</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: lengths and heights; mass/weight; capacity and volume; time</li> <li>Measure and begin to record the following: lengths and heights; mass/weights; capacity and volume; time</li> </ul>	
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Year Group	Autumn	Spring	Summer
2	<b>Term 1</b> <b>Place Value</b> <ul style="list-style-type: none"> <li>• Read and write numbers from 1 to 20 in numerals and words (Y1)</li> <li>• Read and write numbers to at least 100 in numerals and in words</li> <li>• Identify, represent and estimate numbers using different representations, including the number line</li> <li>• Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward</li> <li>• Recognise the place value of each digit in a 2-digit number (tens, ones)</li> <li>• Compare and order numbers from 0 up to 100; use and = signs</li> <li>• Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number</li> <li>• Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> </ul>	<b>Term 3</b> <b>Length and Height</b> <ul style="list-style-type: none"> <li>• Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (<math>^{\circ}\text{C}</math>); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels</li> <li>• Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> <li>• Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>• Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> </ul> <b>Multiplication and Division</b> <ul style="list-style-type: none"> <li>• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (<math>=</math>) signs</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul>	<b>Term 5</b> Details of new materials forthcoming



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	<p><b>Term 2</b> <b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>• Represent and use number bonds and related subtraction facts within 20 (Y1) • Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers</li> <li>• Compare and order numbers from 0 up to 100; use and = signs</li> </ul> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>• Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line</li> <li>• Compare and sort common 2-D and 3-D shapes and everyday objects</li> <li>• Identify 2-D shapes on the surface of 3-D shapes</li> </ul> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p>	<p><b>Term 4</b> <b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul> <p><b>Money</b></p> <ul style="list-style-type: none"> <li>• Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul> <p><b>Mass, Capacity and Temperature</b></p> <ul style="list-style-type: none"> <li>• Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (<math>^{\circ}\text{C}</math>); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul>	<p><b>Term 6</b> Details of Summer due March 23</p>
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Year Group	Autumn	Spring	Summer
3	<b>Term 1</b> <b>Place Value</b> <ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> <li>Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number</li> <li>Compare numbers using and = signs</li> <li>Read and write numbers from 1 to 20 in numerals and words</li> </ul>	<b>Term3</b> <b>Multiplication and division B</b> <ul style="list-style-type: none"> <li>Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2)</li> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods</li> <li>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</li> </ul> <b>Length and perimeter</b> <ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> <li>Measure the perimeter of simple 2-D shapes</li> </ul>	<b>Term 5</b> Details of Summer due March 23
	<b>Term 2</b> <b>Addition and subtraction [within 10]</b> <ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer)</li> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs</li> <li>Represent and use number bonds and related subtraction facts within 20</li> </ul>	<b>Term 4</b> <b>Fractions</b> <ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</li> <li>Compare and order unit fractions, and fractions with the same denominators</li> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul> <b>Mass and capacity</b>	<b>Term 6</b> Details of Summer due March 23

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	<ul style="list-style-type: none"> <li>• Add and subtract 1-digit and 2-digit numbers to 20, including zero</li> </ul> <p><b>Multiplication and division A</b></p> <ul style="list-style-type: none"> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division on one number by another cannot (Y2)</li> <li>• Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward (Y2)</li> <li>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2)</li> <li>• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> </ul> <p><b>Area</b></p> <ul style="list-style-type: none"> <li>• Find the area of rectilinear shapes by counting squares</li> </ul>	<ul style="list-style-type: none"> <li>• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>	
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Maths Termly Expectations Cycle A 2022 2023

Year Group	Autumn	Spring	Summer
4	<b>Term 1</b> <b>Place value</b> <ul style="list-style-type: none"> <li>• Read and write numbers up to 1,000 in numerals and words (Y3)</li> <li>• Identify, represent and estimate numbers using different representations</li> <li>• Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones) (Y3)</li> <li>• Count in multiples of 6, 7, 9, 25 and 1,000</li> <li>• Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens and ones)</li> <li>• Find 1,000 more or less than a given number</li> <li>• Order and compare numbers beyond 1,000</li> <li>• 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</li> <li>• Round any number to the nearest 10, 100 or 1,000</li> </ul> <b>Addition and subtraction</b> <ul style="list-style-type: none"> <li>• Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate</li> <li>• Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</li> <li>• Estimate and use inverse operations to check answers to a calculation</li> </ul>	<b>Term3</b> <b>Multiplication and division B</b> <ul style="list-style-type: none"> <li>• Recognise and use factor pairs and commutativity in mental calculations</li> <li>• Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (Y5)</li> <li>• Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects</li> <li>• Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout</li> <li>• Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers</li> </ul>	<b>Term 5</b> Details of Summer due March 23
	<b>Term 2</b> <b>Area</b> <ul style="list-style-type: none"> <li>• Find the area of rectilinear shapes by counting squares</li> </ul> <b>Multiplication and division A</b>	<b>Term 4</b> <b>Fractions</b> <ul style="list-style-type: none"> <li>• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Y3)</li> </ul>	<b>Term 6</b> Details of Summer due March 23



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	<ul style="list-style-type: none"> <li>Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> <li>Recognise and use factor pairs and commutativity in mental calculations</li> <li>Recognise and use factor pairs and commutativity in mental calculations</li> <li>Count in multiples of 6, 7, 9, 25 and 1,000</li> <li>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</li> </ul>	<ul style="list-style-type: none"> <li>Add and subtract fractions with the same denominator</li> </ul> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3)</li> <li>Recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>Compare numbers with the same number of decimal places up to 2 decimal places</li> <li>Find the effect of dividing a 1- or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</li> <li>Recognise and show, using diagrams, families of common equivalent fractions</li> </ul>	
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Year Group	Autumn	Spring	Summer
5	<b>Term 1</b> <b>Place value</b> <ul style="list-style-type: none"> <li>• Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals</li> <li>• Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</li> <li>• Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit</li> <li>• Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000</li> <li>• Solve number problems and practical problems involving the above</li> </ul> <b>Addition and subtraction</b> <ul style="list-style-type: none"> <li>• Add and subtract numbers mentally with increasingly large numbers</li> <li>• Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction)</li> <li>• Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000</li> <li>• Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</li> <li>• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>	<b>Term3</b> <b>Ratio (Y6 objectives)</b> <ul style="list-style-type: none"> <li>• Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</li> <li>• Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</li> <li>• Solve problems involving similar shapes where the scale factor is known or can be found</li> </ul> <b>Fractions B</b> <ul style="list-style-type: none"> <li>• Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</li> <li>• Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number (Y4)</li> </ul>	<b>Term 5</b> Details of Summer due March 23
	<b>Term 2</b> <b>Multiplication and division A and B</b>	<b>Term 4</b> <b>Decimals and percentages</b>	<b>Term 6</b> Details of Summer due March 23

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	<ul style="list-style-type: none"> <li>• Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</li> <li>• Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</li> <li>• Establish whether a number up to 100 is prime and recall prime numbers up to 19</li> <li>• Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)</li> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000</li> <li>• Multiply and divide numbers mentally, drawing upon known facts</li> <li>• Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes</li> </ul> <p><b>Fractions A</b></p> <ul style="list-style-type: none"> <li>• Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</li> <li>• Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number</li> <li>• Compare and order fractions whose denominators are all multiples of the same number</li> <li>• Add and subtract fractions with the same denominator, and denominators that are multiples of the same number</li> </ul>	<ul style="list-style-type: none"> <li>• Read, write, order and compare numbers with up to 3 decimal places</li> <li>• Read and write decimal numbers as fractions</li> <li>• Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</li> <li>• Solve problems which require knowing percentage and decimal equivalents of <math>1/2</math>, <math>1/4</math>, <math>1/5</math>, <math>2/5</math>, <math>4/5</math> and those fractions with a denominator of a multiple of 10 or 25</li> <li>• Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</li> <li>• Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place</li> <li>• Recognise the per cent symbol (%) and understand that per cent relates to “number of parts per 100”, and write percentages as a fraction with denominator 100, and as a decimal fraction</li> <li>• Solve problems involving numbers up to 3 decimal places</li> </ul> <p>Solve problems which require knowing percentage and decimal equivalents of <math>1/2</math>, <math>1/4</math>, <math>1/5</math>, <math>2/5</math>, <math>4/5</math> and those fractions with a denominator of a multiple of 10 or 25</p> <p>Perimeter and area</p> <ul style="list-style-type: none"> <li>• Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</li> <li>• Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>), and estimate the area of irregular shapes</li> </ul>	
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		<p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>• Solve comparison, sum and difference problems using information presented in a line graph</li> <li>• Complete, read and interpret information in tables, including timetables</li> </ul> <p><b>Algebra (Y6 objectives)</b></p> <ul style="list-style-type: none"> <li>• Use simple formulae</li> <li>• Generate and describe linear number sequences</li> <li>• Find pairs of numbers that satisfy an equation with two unknowns</li> <li>• Enumerate possibilities of combinations of two variables</li> <li>• Express missing number problems algebraically</li> <li>• Find pairs of numbers that satisfy an equation with two unknowns</li> <li>• Enumerate possibilities of combinations of two variables</li> </ul>	
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Year Group	Autumn	Spring	Summer
6	<p><b>Term 1</b></p> <p><b>Place value</b></p> <ul style="list-style-type: none"> <li>• Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit</li> <li>• Round any whole number to a required degree of accuracy</li> <li>• Use negative numbers in context, and calculate intervals across zero</li> <li>• Solve number and practical problems that involve the above</li> </ul> <p><b>Four operations</b></p> <ul style="list-style-type: none"> <li>• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> <li>• Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy</li> <li>• Identify common factors, common multiples and prime numbers</li> <li>• Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication</li> <li>• Perform mental calculations, including with mixed operations and large numbers</li> <li>• Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</li> <li>• Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy</li> </ul>	<p><b>Term3</b></p> <p><b>Ratio</b></p> <ul style="list-style-type: none"> <li>• Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</li> <li>• Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</li> <li>• Solve problems involving similar shapes where the scale factor is known or can be found</li> </ul> <p><b>Fractions B</b></p> <ul style="list-style-type: none"> <li>• Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5)</li> <li>• Divide proper fractions by whole numbers</li> <li>• Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> <li>• Associate a fraction with division and calculate decimal fraction equivalents</li> <li>• Solve problems involving addition, subtraction, multiplication and division</li> </ul> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>• Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places</li> <li>• Solve problems which require answers to be rounded to specified degrees of accuracy</li> </ul>	<p><b>Term 5</b></p> <p>Details of Summer due March 23</p>

# Maths Termly Expectations Cycle A 2022/23 Y3 missing Term 4

	<ul style="list-style-type: none"> <li>Solve problems involving addition, subtraction, multiplication and division</li> </ul>	<ul style="list-style-type: none"> <li>Multiply 1-digit numbers with up to 2 decimal places by whole numbers</li> <li>Use written division methods in cases where the answer has up to 2 decimal places</li> <li>Solve problems involving addition, subtraction, multiplication and division</li> </ul>	
	<p><b>Term 2</b></p> <p><b>Fractions A</b></p> <ul style="list-style-type: none"> <li>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</li> <li>Compare and order fractions, including fractions <math>&gt; 1</math></li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> <li>Identify common factors, common multiples and prime numbers</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> <li>Solve problems involving addition, subtraction, multiplication and division</li> </ul> <p><b>Converting units</b></p> <ul style="list-style-type: none"> <li>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places</li> <li>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate</li> </ul>	<p><b>Term 4</b></p> <p><b>Fractions, decimals and percentages</b></p> <ul style="list-style-type: none"> <li>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</li> <li>Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts</li> <li>Compare and order fractions, including fractions <math>&gt; 1</math></li> <li>Solve problems involving the calculation of percentages and the use of percentages for comparison</li> </ul> <p><b>Area, perimeter and volume</b></p> <ul style="list-style-type: none"> <li>Recognise that shapes with the same areas can have different perimeters and vice versa</li> <li>Recognise when it is possible to use formulae for area and volume of shapes</li> <li>Calculate the area of parallelograms and triangles</li> <li>Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units</li> </ul> <p><b>Statistics</b></p>	<p><b>Term 6</b></p> <p>Details of Summer due March 23</p>

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		<ul style="list-style-type: none"> <li>• Interpret and construct pie charts and line graphs and use these to solve problems</li> <li>• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (Year 4)</li> <li>• Interpret and construct pie charts and line graphs and use these to solve problems</li> <li>• Calculate and interpret the mean as an average</li> </ul> <p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>• Use simple formulae</li> <li>• Generate and describe linear number sequences</li> <li>• Find pairs of numbers that satisfy an equation with two unknowns</li> <li>• Enumerate possibilities of combinations of two variables</li> <li>• Express missing number problems algebraically</li> <li>• Find pairs of numbers that satisfy an equation with two unknowns</li> <li>• Enumerate possibilities of combinations of two variables</li> </ul>	
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