

Year One Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value			Number: Addition and Subtraction			Geometry: Shape	Number: Place Value		Number: Addition and Subtraction		
Spring	Time		Place Value		Number: Addition and Subtraction	Measures: Length and height	Number: Multiplication and Division		Number: Fractions		Reviews	
Summer	Number: Place Value			Number: Four operations			Measurement: Money		Measurement: Weight and Volume		Reviews	

Year One Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	<p><u>Number: Place Value</u></p> <p>Count to ten, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write number to 10 in numerals and words.</p> <p>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 than), most, least.</p> <p>Given a number, identify one more or one less.</p> <p>Count in multiples of twos.</p>			<p><u>Number: Addition and Subtraction</u></p> <p>Represent and use number bonds and related subtraction facts (within 10)</p> <p>Add and subtract one digit numbers (to 10), including zero.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</p>			<p><u>Geometry: Shape</u></p> <p>Recognise and name common 2D and 3D shapes, including rectangles, squares, circles and triangles, cuboids, pyramids and spheres.</p> <p>Describe position, direction and movement, including whole, half, quarter and three quarter turns</p>	<p><u>Number: Place Value</u></p> <p>Count to twenty, forwards and backwards, beginning with 0 or 1, from any given number.</p> <p>Count, read and write numbers from 1 to 20 in numerals and words.</p> <p>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.</p> <p>Count in multiples in 2 and 5.</p>		<p><u>Number: Addition and Subtraction</u></p> <p>Represent and use number bonds and related subtraction facts within 20.</p> <p>Add and subtract one digit and two digit numbers to 20, including zero.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$</p>			

Year One Maths Overview

	<u>Resources</u>	<u>Misconceptions</u>	<u>Vocabulary</u>	<u>Links to</u>
Number: Place Value	<ul style="list-style-type: none"> • Number lines <ul style="list-style-type: none"> • Cubes • bead strings • flashcards (numbers and numbers as words) • Numbers as words mat <ul style="list-style-type: none"> • Pictures of different numerical representations 	<ul style="list-style-type: none"> • There are 10 numbers • Moving the wrong way on a number line • Moving the wrong way on a 100 square • Counting in 1s instead of 2s. • Counting over the 10. • The order of numbers, forwards and backwards • The spelling of numbers and that numbers can be represented as words <ul style="list-style-type: none"> • Reverse digits 	<ul style="list-style-type: none"> • More/less than <ul style="list-style-type: none"> • Digit • Forwards • Backwards • Number line • Multiple • Times tables • Fewer than <ul style="list-style-type: none"> • Equal to • Addition • Subtraction • Take away <ul style="list-style-type: none"> • Add • Plus • Minus • Numbers to 10 	<ul style="list-style-type: none"> • Money (multiples) • Multiplication <ul style="list-style-type: none"> • Addition • Subtraction
Number: Addition and Subtraction	<ul style="list-style-type: none"> • Bead strings • 10 squares • 100 squares • Number lines • Flashcards (+, - and = combined with their word counterparts) • Pictures of different numerical representations <ul style="list-style-type: none"> • Cubes 	<ul style="list-style-type: none"> • Numbers stop at 0 • Starting with the smallest number when subtracting/addition • Subtraction/adding numbers changes the original number • We always add in a number problem • The language in a number problems- e.g altogether, how many left etc? 	<ul style="list-style-type: none"> • Zero • Smaller • Larger • Add • Subtract <ul style="list-style-type: none"> • Plus • Minus • Altogether • Left 	<ul style="list-style-type: none"> • Money <ul style="list-style-type: none"> • Place • Repeated addition (multiplication)

Year One Maths Overview

Geometry: Shape	<ul style="list-style-type: none"> • 3D shapes including rectangles, squares, circles and triangles, cuboids, pyramids and spheres. <ul style="list-style-type: none"> • Roamer 	<ul style="list-style-type: none"> • The amount of sides and corners of different 2D shapes. • Amount of faces, vertices, and edges of 3D shapes. • What a half, quarter and 3 quarter turn is • Turning is just in reality 	<ul style="list-style-type: none"> • Rectangles • Squares • Circles • Triangles • Cuboids • Pyramids • Spheres 	<ul style="list-style-type: none"> • Fractions • Place Value
Place Value	<ul style="list-style-type: none"> • Number lines <ul style="list-style-type: none"> • Cubes • bead strings • flashcards (numbers and numbers as words) • Numbers as words mat <ul style="list-style-type: none"> • Pictures of different numerical representations 	<ul style="list-style-type: none"> • There are 20 numbers • Moving the wrong way on a number line • Moving the wrong way on a 100 square • Counting in 1s instead of 2s or 5s. • Counting over the 20. • The order of numbers, forwards and backwards • The spelling of numbers and that numbers can be represented as words <ul style="list-style-type: none"> • Reverse digits 	<ul style="list-style-type: none"> • More/less than <ul style="list-style-type: none"> • Digit • Forwards • Backwards • Number line • Multiple • Times tables • Fewer than • Equal to • Addition • Subtraction • Take away <ul style="list-style-type: none"> • Add • Plus • Minus • Numbers to 20 	<ul style="list-style-type: none"> • Money (multiples) • Multiplication <ul style="list-style-type: none"> • Addition • Subtraction

Year One Maths Overview

Number: Addition and Subtraction	<ul style="list-style-type: none">• Bead strings• 20 squares• Number lines• 100 squares• Flashcards (+, - and = combined with their word counterparts)• Pictures of different numerical representations<ul style="list-style-type: none">• Cubes	<ul style="list-style-type: none">• Numbers stop at 0• Starting with the smallest number when subtracting/addition• Subtraction/adding numbers changes the original number• We always add in a number problem• The language in a number problems- e.g altogether, how many left etc?	<ul style="list-style-type: none">• Zero• Smaller• Larger• Add• Subtract• Plus• Minus• Altogether• Left	<ul style="list-style-type: none">• Money• Place• Repeated addition (multiplication)
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Spring	<p style="text-align: center;"><u>Time</u></p> <p>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p> <p>Recognise and use language relating to dates, including days of the week, weeks, months and years.</p> <p>Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] and measure and begin to record time (hours, minutes, seconds)</p> <p>Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.</p>		<p style="text-align: center;"><u>Place Value</u></p> <p>Count to 40 forwards and backwards, beginning with 0 or 1, or from any number.</p> <p>Count, read and write numbers from 1-40 in numerals and words.</p> <p>Identify and represent numbers using objects and pictorial representations.</p> <p>Given a number, identify 1 more or 1 less</p>		<p style="text-align: center;"><u>Number:</u> Addition and Subtraction</p> <p>Add and subtract one digit and two digit numbers to 20, including zero.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</p>		<p style="text-align: center;"><u>Measures: Length and height</u></p> <p>Compare, describe and solve practical problems for: lengths and heights for example, long/short, longer/short er, tall/short, double/half</p> <p>Measure and begin to record lengths and heights.</p>		<p style="text-align: center;"><u>Number:</u> <u>Multiplication and Division</u></p> <p>Count in multiples of twos, fives and tens.</p> <p>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p>		<p style="text-align: center;"><u>Number: Fractions</u></p> <p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>		<p>Time at the beginning or end of the term for consolidation, gap filling, seasonal activities, assessments, etc</p>

Year One Maths Overview

Unit	Resources	Misconceptions	Vocabulary	Links
Time	<ul style="list-style-type: none"> • Paper clocks • Pictures of clocks • Days of the week flashcards • Months of the year flashcards <ul style="list-style-type: none"> • Stopwatches • Ordinal sets of the pictures • Ordinal numbers such as 1ST, 2ND 	<ul style="list-style-type: none"> • Different times of the day/numbers of the clocks • The order of the days and months in a year. <ul style="list-style-type: none"> • The length of a minute/hour/day • Terminology such as later, tomorrow etc. 	<ul style="list-style-type: none"> • Before • After • Next • First • Today • Yesterday • Tomorrow • Morning • Afternoon • Evening • Half past • Minute • Hour • Day • Year • Week • Days of the week • Months of the year <ul style="list-style-type: none"> • O'clock 	<ul style="list-style-type: none"> • Addition • Position and direction <ul style="list-style-type: none"> • Fractions • Place value • Measurement • Subtraction • Multiplication

Year One Maths Overview

Place Value	<ul style="list-style-type: none">• Number lines<ul style="list-style-type: none">• Cubes• bead strings• 100 Square• flashcards to 40 (numbers and numbers as words)<ul style="list-style-type: none">• Numbers as words mat• Pictures of different numerical representations	<ul style="list-style-type: none">• How to spell numbers as words to 40.• Order of numbers to 40.• Counting to 40 in order.	<ul style="list-style-type: none">• More/less than<ul style="list-style-type: none">• Digit• Forwards• Backwards• Number line<ul style="list-style-type: none">• Multiple• Times tables• Fewer than<ul style="list-style-type: none">• Equal to• Addition• Subtraction• Take away<ul style="list-style-type: none">• Add• Plus• Minus• Numbers to 40	<ul style="list-style-type: none">• Money (multiples)<ul style="list-style-type: none">• Multiplication<ul style="list-style-type: none">• Addition• Subtraction
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Year One Maths Overview

Number: Addition and Subtraction	<ul style="list-style-type: none"> • Bead strings • 20 squares • Number lines • 100 squares • Flashcards (+, - and = combined with their word counterparts) <ul style="list-style-type: none"> • Pictures of different numerical representations • Cubes 	<ul style="list-style-type: none"> • Numbers stop at 0 • Starting with the smallest number when subtracting/addition • Subtraction/adding numbers changes the original number • We always add in a number problem • The language in a number problems- e.g altogether, how many left etc? • What a digit is 	<ul style="list-style-type: none"> • Zero • Smaller • Larger • Add • Subtract • Plus • Minus • Altogether <ul style="list-style-type: none"> • Left • Digit • 1 Digit • 2 Digit 	<ul style="list-style-type: none"> • Money • Place • Repeated addition (multiplication)
Measure: Length and Height	<ul style="list-style-type: none"> • Ruler • Tape measure • Metre rules • Improper measures (footprints, cubes etc) 	<ul style="list-style-type: none"> • Everything is measured with the same kind of unit • Everything should be measured in cm • We can measure objects with scales, litre jugs etc. 	<ul style="list-style-type: none"> • Long • Short • Longer • Shorter <ul style="list-style-type: none"> • Tall • Double • half 	<ul style="list-style-type: none"> • Addition • Subtraction • Place Value • Multiplication • Division

Year One Maths Overview

Number: Multiplication and division	<ul style="list-style-type: none">• Number line• Arrays	<ul style="list-style-type: none">• What a multiple is• That all the times tables are the same• The sequence of the multiples	<ul style="list-style-type: none">• Multiples• 2• 5• 10• One Step problem• Array	<ul style="list-style-type: none">• Addition• Subtraction• Place Value• Money
Fractions	<ul style="list-style-type: none">• Fraction wall• Fraction sticks• Flashcards	<ul style="list-style-type: none">• What a fraction is• What a whole is	<ul style="list-style-type: none">• Fraction<ul style="list-style-type: none">• $\frac{1}{2}$• Quarter<ul style="list-style-type: none">• Parts• Whole	<ul style="list-style-type: none">• Division• Multiplication

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Summer	<p style="text-align: center;"><u>Place Value</u></p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write numbers from 1-100 in numerals and words.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least.</p> <p>Given a number, identify one more and one less</p>			<p style="text-align: center;"><u>Number: Four Operations</u></p> <p>Represent and use number bonds and related subtraction facts within 20.</p> <p>Add and subtract one digit and two digit numbers to 20, including 0.</p> <p>Read, write and interpret mathematical statements involving addition (+) subtraction (-) and equals (=) signs.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.</p> <p>Count in multiples of twos, fives and tens.</p> <p>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p>			<p style="text-align: center;"><u>Measurement: Money</u></p> <p>Recognise and know the value of different denominations of coins and notes.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.</p>		<p style="text-align: center;"><u>Measurement: Weight and Volume</u></p> <p>Compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>Measure and begin to record mass/weight, capacity and volume.</p>			

Time at the beginning or end of the term for consolidation, gap filling, seasonal activities, assessments, etc

Year One Maths Overview

Unit	<u>Resources</u>	<u>Misconceptions</u>	<u>Vocabulary</u>	<u>Links</u>
Place Value	<ul style="list-style-type: none"> • Number lines <ul style="list-style-type: none"> • Cubes • bead strings • 100 Square • flashcards to 100 (numbers and numbers as words) <ul style="list-style-type: none"> • Numbers as words mat • Pictures of different numerical representations 	<ul style="list-style-type: none"> • How to spell numbers as words to 100. • Order of numbers to 100. • Counting to 100 in order. 	<ul style="list-style-type: none"> • More/less than <ul style="list-style-type: none"> • Digit • Forwards • Backwards • Number line • Multiple • Times tables • Fewer than <ul style="list-style-type: none"> • Equal to • Addition • Subtraction • Take away <ul style="list-style-type: none"> • Add • Plus • Minus • Numbers to 100 	<ul style="list-style-type: none"> • Money (multiples) • Multiplication <ul style="list-style-type: none"> • Addition • Subtraction

Year One Maths Overview

Number: Four Operations	<ul style="list-style-type: none"> • Number lines <ul style="list-style-type: none"> • Cubes • bead strings • 100 Square • flashcards to 100 (numbers and numbers as words) <ul style="list-style-type: none"> • Numbers as words mat • Pictures of different numerical representations <ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Numbers stop at 0 <ul style="list-style-type: none"> • Starting with the smallest number when subtracting/addition • Subtraction/adding numbers changes the original number • We always add in a number problem • The language in a number problems- e.g altogether, how many left etc? <ul style="list-style-type: none"> • What a digit is 	<ul style="list-style-type: none"> • More/less than <ul style="list-style-type: none"> • Digit • Forwards • Backwards • Number line <ul style="list-style-type: none"> • Multiple • Times tables <ul style="list-style-type: none"> • Fewer than • Equal to • Addition <ul style="list-style-type: none"> • Subtraction • Take away <ul style="list-style-type: none"> • Add • Plus • Minus • Numbers to 100 <ul style="list-style-type: none"> • Times • Multiply • Divide • Share 	
Measurement: Money	<ul style="list-style-type: none"> • Different denominations of money 	<ul style="list-style-type: none"> • How many pennies form different coins including pounds • The value of each coin • Giving change • The shape of each coin 	<ul style="list-style-type: none"> • Different denominations of money <ul style="list-style-type: none"> • Add • Altogether <ul style="list-style-type: none"> • Sum • Change <ul style="list-style-type: none"> • Take 	<ul style="list-style-type: none"> • Addition • Subtraction • Multiplication <ul style="list-style-type: none"> • Division • Problem solving

Year One Maths Overview

Measurement: Weight and Volume	<ul style="list-style-type: none">• Scales• ML jugs• Beakers• Different containers with different capacities<ul style="list-style-type: none">• Objects to measure	<ul style="list-style-type: none">• What we use scales for• What we use ML for<ul style="list-style-type: none">• What mass is• What weight is• If 2 weights have equals weight	<ul style="list-style-type: none">• Mass• weight• heavy• light• heavier• than• lighter than• capacity• volume<ul style="list-style-type: none">• Full• Empty• more than• less than<ul style="list-style-type: none">• half• half full• quarter	<ul style="list-style-type: none">• Problem solving<ul style="list-style-type: none">• Addition• Subtraction• Multiplication<ul style="list-style-type: none">• Division• Place Value
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