

Wray with Botton Primary School - Mathematics Vocabulary Progression

	Class One		Class Two		Class Three		
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number	Zero Number one, two, three ... to twenty and beyond Teens numbers, Eleven, twelve ... Twenty None How many ...? Count, count (up) to, count on (from, to), count back (from, to) Count in ones, twos, fives, tens Is the same as More, less Odd, even Few Pattern Pair	Numeral Twenty-one, twentytwo ... One hundred Forwards Backward Equal to Equivalent to Most, least Many Multiple of Order Number line	Two hundred ... one thousand Count in threes, and so on Tally Sequence Continue Predict Rule > greater than < less than Compare	Count in, fours, eights, fifties and so on to hundreds and thousands Factor of Relationship Roman numerals	One thousand ... ten thousand, hundred thousand, million Count in sixes, sevens, nines, twenty-fives and so on to hundreds, thousands Next Consecutive Integer Positive Negative Above/below zero Minus Negative numbers	\geq greater than or equal to \leq less than or equal to Formula Divisibility Square number Cube number Prime number Ascending/ descending order Power	Factorise Prime Factor Digit Total Brackets
Place value	Ones, Tens The same number as, as many as More, larger, bigger, greater fewer, smaller, less, less than, fewest, smallest, least, most, biggest, largest, greatest One more, ten more	Equal to Half-way between Above, below	Hundreds one-, two- or threedigit number Place, place value Stands for, represents Exchange Twenty-first, twentysecond ... Partition Odd/even	One hundred more One hundred less Thousands	One thousand more One thousand less		

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	<p>One less, ten less Compare, order Size First, second, third... twentieth Last, last but one Before, after, next, between</p>						
Estimating	<p>Guess how many ...? Estimate Nearly Close to About the same as Just over, just under Too many, too few Enough, not enough</p>	Roughly	Exact, exactly	Approximate, approximately Round, nearest, round to the nearest ten, hundred Round up, round down	Round to the nearest thousand	Round to the nearest ten thousand	
Addition and subtraction	<p>Add, more, and, make, sum, total, altogether Double One more, two more ... ten more How many more to make ...? How many more is ... than ...? How much more is ...? Take away how many are left/left over?</p>	<p>Addition Plus Near Double Half, halve Subtract Equals/equal to Is the same as Most/least Count on/count back Number bonds/pairs Missing number Number line Minus Leaves</p>	<p>One hundred more One hundred less Number facts Tens boundary Sum Tens, ones Partition Column Difference Strategy Inverse</p>	<p>Hundreds boundary Increase Vertical Carry Expanded Compact Exchange Decrease Hundreds Value Digit</p>	<p>Thousands Hundreds</p>	<p>Ones boundary, tenths boundary Decimal places Decimal point Tenths, hundredths, thousandths</p>	<p>Brackets BIDMAS</p>

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	<p>How many have gone? One less, two less, ten less ... How many fewer is ... than ...? How much less is ...? Difference between</p>						
<p>Multiplication and division</p>	<p>Sharing/share Doubling Halving Number patterns One each, two each</p>	<p>Multiplication Multiply Multiple Division Dividing Grouping/groups/groups of Array Lots of Times Altogether Equally</p>	<p>Groups of Times once, twice, three times ... ten times Repeated addition Divide, divided by, divided into Share, share equally Left, left over One each, two each, three each ... ten each Group in pairs, threes ... tens equal groups of Row, column Multiplication table Multiplication fact, division fact Multiplied by Commutative Sets of Times As big as Division Number line</p>	<p>Product Remainder Value Ten, ones Grid method Partition Carry Short division Inverse</p>	<p>Square, squared Cube, cubed Divisible by Factor/factor Pair Distributive law</p>	<p>Integer Decimal Short/long multiplication Quotient Prime number Prime factors Composite number Common factors</p>	<p>Tenths/hundredths Brackets BIDMAS</p>

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Fractions (inc decimals and %)	Parts of a whole Half Quarter	Fraction Equal part Equal grouping Equal sharing One of two equal parts One of four equal parts Quarter	Equivalent fraction Mixed number Numerator, denominator Two halves Two quarters Three quarters One third Two thirds One of three equal parts	Fifths, sixths, sevenths, eighths, tenths ...	Hundredths decimal, decimal fraction, decimal point, decimal place, decimal Equivalent Proportion unit fraction/non unit Fraction scaling	Proper/improper fraction Mixed number fraction Equivalent, reduced to, cancel thousandths in every, for every percentage, per cent, %	Ratio Algebra – Formulae Equation Unknown Variable Algebraically nth term
Measurement	Measure Size Compare Guess, estimate Enough, not enough Too much, too little Too many, too few Nearly, close to, about the same as Just over, just under	Measurement Roughly	Measuring scale	Division Approximately	Unit, standard unit Metric unit Convert	Imperial unit	
Length	Metre Length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ...	Centimetre Ruler Metre stick Double/half	Further, furthest Tape measure Centimetre	Millimetre, kilometre, mile distance apart ... Between ... to ... from Perimeter	Breadth Edge, area, covers Square centimetre (cm ²)	Square metre (m ²), Square millimetre (mm ²) inch, feet, foot	Yard Circumference

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	and so on Longest, shortest, tallest, highest ... and so on Far, near, close						
Weight	Weigh, weighs, balances Heavy, light Heavier than, lighter than Heaviest, lightest Scales	Kilogram, half kilogram Mass	Gram		Mass: big, bigger, small, smaller Weight: heavy/light, heavier/lighter, heaviest/lightest	Pint, gallon	Tonne, pound, ounce
Capacity and Volume	Full, empty, half full Holds Container	Litre, half litre Capacity Volume More than Less than Quarter full	Millilitre Contains		Measuring cylinder		Centilitre Cubic centimetres(cm ³), cubic metres (m ³), cubic millimetres (mm ³), cubic kilometres (km ³)
Temperature			Temperature Degree	Centigrade			

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<p>Time</p>	<p>Time Days of the week, Monday, Tuesday ... day, week Birthday, holiday Morning, afternoon, evening, night Bedtime, dinner time, playtime Today, yesterday, tomorrow Before, after Next, last now, soon, early, late Quick, quicker, quickest, quickly Slow, slower, slowest, slowly Old, older, oldest New, newer, newest Takes longer, takes less time Hour, o'clock Clock, watch, hands</p>	<p>Months of the year (January, February ...) Seasons: spring, summer, autumn, winter Weekend, month, year Earlier, later First, midnight, date How long ago? how long will it be to ...? how long will it take to ...? how often? Always, never, often, sometimes, usually once, twice, half past, hours, minutes</p>	<p>Fortnight 5, 10, 15 ... minutes past Digital/analogue clock/watch, timer Seconds Quarter past, quarter to, hour hand, minute hand</p>	<p>Century Calendar Earliest, latest am, pm Roman numerals 12-hour clock time, 24-hour clock time Analogue/Digital</p>	<p>Leap year, millennium Noon Date of birth Timetable, arrive, depart</p>		<p>Greenwich Mean Time, British Summer Time, International Date Line</p>
<p>Money</p>	<p>Mone Coin Penny, pence, pound Price, cost</p>	<p>Change Dear, costs more Cheap, costs less, cheaper</p>	<p>Bought Sell Value</p>			<p>Discount Currency</p>	<p>Profit Loss</p>

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	Buy, sell Spend, spent Pay	Costs the same as How much ...? how many ...? Total					
Properties of shape	Shape, pattern Flat Curved, straight Round Hollow, solid Sort Make, build, draw Size Bigger, larger, smaller Symmetrical pattern, Repeating pattern Match	Symmetry Symmetrical pattern	Surface Line symmetry	Perimeter	Line Construct, sketch Centre angle, right- angled base, square- based Reflect, reflection Regular, irregular Acute, obtuse Area	Radius, diameter Congruent Axis of Symmetry, reflective symmetry Reflex Angle	Circumference, concentric, arc net, open, closed Intersecting, intersection plane
2D shape	Corner, side Rectangle (including square) Circle Triangle	Point, pointed	Rectangular Circular Triangular Pentagon Hexagon Octagon	Pentagonal Hexagonal Octagonal Quadrilateral Right-angled Parallel Perpendicular	2-D, twodimensional Oblong Rectilinear Equilateral triangle, isosceles triangle, scalene triangle Heptagon Parallelogram Rhombus Trapezium Polygon Area	x-axis, y-axis, quadrant	kite

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<p>3D shape</p>	<p>face, edge, vertex, vertices cube pyramid sphere cone</p>	<p>Cuboid cylinder</p>		<p>Hemisphere prism, triangular prism</p>	<p>3-D, threedimensional Spherical Cylindrical Tetrahedron polyhedron</p>	<p>octahedron</p>	<p>Dodecahedron net, open, closed</p>
<p>Position and Direction</p>	<p>Position Over, under Above, below Top, bottom, side On, in outside, inside Around In front, behind Front, back Beside, next to Opposite, apart Between, middle, edge Corner Direction, left, right, up, down Forwards, backwards, sideways, across Next to, close, near, far along, through</p>	<p>Underneath Centre Journey Quarter turn Three-quarter turn</p>	<p>Route higher, lower Clockwise, anticlockwise Right angle Straight line Rotation Turn</p>	<p>Compass point North, south, east, west, N, S, E, W Horizontal, vertical, diagonal Angle ... is a greater/smaller angle than</p>	<p>North-east, northwest, south- east, south-west, NE, NW, SE, SW Translate, translation Rotate, rotation Degree Reflection Ruler, set square Angle measurer, Compass Quadrant Co-ordinate Plot, points</p>	<p>Protractor</p>	

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	To, from, towards, away from Movement, slide, roll, turn Stretch, bend Whole turn, half turn						
Statistics	Count, sort group, set List	Vote Table	Tally graph, block graph, pictogram Represent Label, title Most popular, most common Least popular, least common	Chart, bar chart, frequency table Carroll diagram, Venn diagram Axis, axes Diagram	Survey, questionnaire, data Time graph Discrete/continuous	Database bar line chart line graph maximum/minimum value outcome	Pie chart mean (mode, median, range as estimates for this) statistics distribution
General	Pattern Puzzle What could we try next? How did you work it out? Recognise Describe Draw Compare Sor Ppicture	Problem, problem solving Mental, mentally Explain your thinking RUPC – read, underline, picture and calculate	Show how you... explain your method describe the pattern describe the rule investigate Mental calculation Written calculation Symbols	Greatest value, least value Statement	Justify Make a statement	Explain your reasoning	

