Number, Place Value and Estimating

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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 forwards backwards few pattern pair ones tens digit the same number as, as many as	numeral twenty-one, twenty-two … one hundred equal to equivalent to most, least many multiple of equal to roughly place, place value > greater than < less than ten more ten less	two hundred … one thousand count itens, threes, fours and so on tally sequence continue predict rule hundreds one-, two- or three-digit number stands for, represents regroup twenty-first, twenty-second … exact, exactly	Count in eights, fifties and so on to hundreds factor of relationship one hundred more one hundred less approximate, approximately next, round, nearest, round to the nearest ten, hundred round up, round down estimate	one thousand … ten thousand, hundred thousand, million Count in sixes, sevens, nines, twenty-fives consecutive integer, positive, negative Roman numerals prime number above/below zero, minus negative numbers one thousand more one thousand less thousand	factor pair ≥ greater than or equal to ≤ less than or equal to formula divisibility square number ascending/descending order ten thousand	factorise prime factor digit total BODMAS

Continue to use previous year groups vocabulary to allow consolidation, as well as introducing new.

more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, one less, compare order size first, second, third… twentieth last, last but one before, after next between guess how many …? estimate nearly close to about the same as just over, just under too many, too few enough, not enough					

Addition and Subtraction

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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? how many have gone? one less, two less, ten less … how many fewer is … than …? how much less is …? equals	Addition Near double Half, halve Subtract Is the same as Number bonds/pairs Missing number Difference between Sum off	One hundred more One hundred less Number facts Tens boundary Inverse	Hundreds boundary	Tenths boundary	Ones boundary	

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Multiplication and Division

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Sharing share share equally doubling halving number patterns left over	Multiplication Multiply Multiplied by Multiple Division Dividing Grouping Array Repeated addition Equal groups of	Groups of Times Once, twice, three times…ten times Divide Divided by Divided into Share Share equally Left One each, two each, three each…ten each Group in pairs, threes…tens Row Column Multiplication table Multiplication fact Division fact	Factor Product Remainder	Inverse Square Squared Cube Cubed		

Fraction, Decimals, Percentages, Ratio and Proportion

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Parts of a whole Half Quarter	Fraction Equal part Equal grouping Equal sharing One or two equal parts One of four equal parts	Equivalent fraction Numerator Denominator Two halves Two quarters Three quarters One third Two thirds One of three equal parts.	Sixths, sevenths, eighths, tenths… Mixed number	Hundredths Decimal Decimal point Decimal place Decimal equivalent	Proper/improper fraction Equivalent Reduced to Cancel Thousandths In every For every Percentage Per cent % Decimal fraction Proportion	Ratio Algebra Formulae Formula Equation Unknown Variable

Measurement						
Reception	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher … and so on longest, shortest, tallest, highest … and so on far, near, close	Measurement Unit	Measuring scale	Division Approximately	Unit Standard unit Metric unit	Imperial unit	
Length metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher … and so on longest, shortest, tallest, highest … and so on	**Length** Centimetre Ruler Metre stick	**Length** Further Furthest Tape measure	**Length** Kilometre Mile Distance apart Between… To… From… Perimeter	**Length** Breadth Edge Area Covers Square centimetre (cm^2)	**Length** Square metre (m^2) Square millimetre (mm^2) Yard Foot Feet Inch Inches	**Length** Circumference

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far, near, close						
Weight weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales	**Weight** Kilogram Half kilogram	**Weight** Gram	**Weight**	**Weight** Mass Big, bigger Small, smaller Weight Heavy/light Heavier/lighter Heaviest/lightest	**Weight** Tonne Pound Ounce	**Weight**
Capacity and volume full empty half full holds container	**Capacity and volume** Litre Half litre Capacity Volume More than Less than Quarter full	**Capacity and volume** Millilitre Contains	**Capacity and volume**	**Capacity and volume** Measuring cylinder	**Capacity and volume** Pint Gallon	**Capacity and volume** Centilitre Cubic centimetres (cm^3) Cubic metres (m^3) Cubic millimetres (mm^3) Cubic kilometres (km^3)
		Temperature Temperature Degree	**Temperature** Centigrade	**Temperature**	**Temperature**	**Temperature**
Time time days of the week, Monday, Tuesday … day, week birthday, holiday	**Time** How long ago? How long will it be to…? How long will it take to…?	**Time** Fortnight 5, 10, 15…minutes past Digital/analogue	**Time** Century Calendar a.m. p.m. roman numerals	**Time** Leap year Millennium Noon Date of birth Timetable	**Time**	**Time** Greenwich Mean Time British Summer Time

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 Months of the year (January, February…) Seasons: Spring, Summer Autumn Winter Weekend Month Year Earlier	How often? Always Never Often Sometimes Usually Once, twice Half past Quarter past Quarter to Clock face Hour hand Minute hand Hours Minutes	Clock/.watch Timer Seconds Earliest Latest	12-hour clock time 24-hour clock time	Arrive Depart		International Date Line

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Later First Midnight Date						
Money money coin penny, pence, pound price, cost buy, sell spend, spent pay Total	**Money** Change Expensive Costs more Cheap Costs less Cheaper Costs the same as How much…? How many…?	**Money** Bought Sold	**Money**	**Money** Dear	**Money** Discount Currency	**Money** Profit Loss

Maths Vocabulary Routeway

Geometry, Position and Direction

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Properties of shape shape, pattern flat curved, straight round, solid sort make, build, draw size bigger, larger, smaller symmetrical pattern, repeating pattern match	**Properties of shapes** Symmetry Symmetrical pattern Surface Hollow	**Properties of shapes** Line symmetry	**Properties of shapes** Perimeter	**Properties of shapes** Line Construct Sketch Centre Angle Right-angled Base Square based Reflect Reflection Regular Irregular	**Properties of shapes** Radius Diameter Congruent Axis of symmetry Reflective symmetry	**Properties of shapes** Circumference Concentric Arc Net Open Closed Intersecting Intersection Plane
2-D shape corner, side rectangle (including square) circle triangle	**2-D Shape** Point Pentagon Hexagon Octagon	**2-D Shape** Rectangular Circular Triangular	**2-D Shape** Pentagonal Hexagonal Octagonal Quadrilateral Right-angled Parallel Perpendicular	**2-D Shape** 2-D, two dimensional Oblong Rectilinear Equilateral triangle Isosceles triangle Scalene triangle Heptagon Parallelogram	**2-D Shape** Kite	**2-D Shape**

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				Rhombus Trapezium Polygon x-axis y-axis quadrant		
3-D shape face, edge, vertex, vertices cube pyramid sphere cone	**3-D Shape** Cuboid Cylinder	**3-D Shape** Hemisphere Prism Triangular prism	**3-D Shape**	**3-D Shape** 3-D, three dimensional Spherical Cylindrical Tetrahedron Polyhedron	**3-D Shape** Octahedron	**3-D Shape** Dodecahedron Net Open Closed
Position and direction 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	**Position and direction** Underneath Centre Journey Quarter turn Three-quarter turn	**Position and direction** Route Higher Lower Clockwise Anticlockwise Right angle Straight line	**Position and direction** Compass point North, south, east, west, N, S, E, W Horizontal Vertical Diagonal Angle…is greater/small angle than Acute angle Obtuse angle	**Position and direction** North-east North-west South-east South-west NE, NW, SE, SW Translate Translation Rotation Rotate Degree Reflection Ruler Set square	**Position and direction** Coordinate Protractor Reflex angle	**Position and direction**

corner direction left, right up, down forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from movement slide roll turn stretch, bend whole turn, half turn			Angle measurer compass		

Statistics						
Reception	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Count Sort Group Set List	Vote Table	Tally Graph Block graph Carroll diagram Venn diagram Pictogram Represent Label Title Most popular Most common Least popular Least common	Chart Bar chart Frequency table Axis Axes Diagram	Survey Questionnaire Data	Database Bar line chart Line graph Maximum/minimum value outcome	Pie chart Mean (mode, median, range as estimated for this) Statistics Distribution

Maths Vocabulary Routeway

General Maths Terminology						
Reception	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Pattern What could we try next? How did you work it out? Recognise Describe Draw Compare Sort Calculation	Problem Problem solving Mental Mentally Explain your thinking Investigate Mental calculation Written calculation	Show how you… Explain your method… Describe the pattern Describe the rule Greatest value Least value	Statement	Justify Make a statement	Explain your reasoning	

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