This vocabulary list of 142 words and phrases details the words and definitions that children need to know and use by the end of Key Stage 2.

Term	Definition					
Acute	Describes angles between 0 and 90 degrees.					
A 1 1111	One of the four calculation operations. It involves combining two or more					
Addition	numbers to create a sum/total. The inverse of subtraction.					
Adjacent	Adjoining (as used to describe lines and angles).					
Alternate	Every other one in a sequence.					
Angle	A measure of turn - the number of degrees rotated around a point.					
Area	The measure of surface within a perimeter expressed in square units.					
	A set of items arranged in rows and columns in the shape of a rectangle.					
Array (rectangular)	Each row has the same number of items in it. Each column has the same					
	number of items in it.					
Ascending order	The arrangement of numbers from least to greatest.					
	A number representing a greater set of numbers. Can have three					
	interpretations:					
A	mean - dividing the total of the numbers by the numbers itself;					
Average	median – the middle value when the numbers are in ascending or					
	descending order;					
	mode – the value that occurs most often in the set.					
Axis of symmetry	A line dividing a shape into two symmetrical parts.					
Term	Definition					
Bar chart/graph	A graphical representation of data in which values are represented by bars					
	or columns and interpreted using the scales on the axes.					
Bar model	A way of representing relationships in a structured diagram in which					
	numbers are shown using bars (rectangles).					
Base	The line or face on which a shape is standing.					
Base angles	Those angles adjacent to the base of a shape.					
Bisect	To divide into two equal parts.					
	A way of representing discrete data in which each item is represented by					
Block graph	one block/square arranged in columns. The frequency of a particular set is					
	how many blocks or squares are in it.					
Breadth	Breadth is another name for width. It is the distance across from side to					
Dieautii	side or the shorter measurement with the longer one described as length.					
Term	Definition					
Capacity	The amount of space in an object (the maximum amount of liquid or air it					
	can contain).					
Cardinal number	A number that shows quantity but not order.					
Carroll diagram	A diagram used for classification identifying whether members of the set					
_	possess a given property or not.					
Circumference	The distance around a circle (its perimeter).					
Circle	A 2-D shape in which all of the points on the edge are of equal distance					
	from the centre of the shape.					
Composite number	A number with more than two factors.					
Cone	A 3-D shape made of one circular face and a curved surface tapering to a					
	point (apex) directly above the centre of the circular face.					
Congruent	Congruent shapes are the same shape and size (equal).					
Consecutive	Consecutive numbers follow in order without interruption (e.g. 2,3,4,5).					
Continuous data	Data that can take any value along a continuum, e.g. as a child's foot					
	grows, it will go through all the values of 18.1cm, 18.2cm, 18.3cm etc.					
Coordinates	Numbers used to describe position of a point on a grid.					
Cube	A regular six-sided polyhedron in which the faces are all congruent					
Cube	squares.					

Cuboid	A six-sided polyhedron in which all the faces are rectangles. Otherwise known as a rectangular prism.					
Cylinder	A 3-D shape made of two congruent circular faces that are opposite each					
Cylinder	other and a curved surface joining them.					
Term	Definition					
Decagon	A polygon with ten sides and angles.					
Decimal	A way of expressing fractions in the Base 10 number system. Fractional					
	parts are expressed in tenths, hundredths, thousandths etc.					
Denominator	The number below the line in a fraction which shows how many equal					
	parts the whole has been split into.					
Descending order	The arrangement of numbers from the greatest to least.					
Diagonal	A straight line connecting two non- adjacent vertices (corners) of a					
	polygon.					
Diameter	A line across a circle that passes through the centre and touches the					
	circumference at each end.					
D:#*	The answer to a subtraction calculation. A form of subtraction in which					
Difference	two amounts/numbers are compared. By how much a number is greater or less than another.					
Digit	The numerical symbols from 0 to 9 (inclusive). Digits can be arranged to					
Digital root	numerically represent numbers. The digital root of 58 is 4 because 5 + 8 = 13 and 1 + 3 = 4					
Digital 100t	The measurements of a shape (i.e. length, width, height).					
Diffictisions	Data that can only take specific values, e.g. as a child's foot grows, the					
Discrete data	shoe sizes needed can only have given sizes.					
	One of the four calculation operations. It can be interpreted as:					
	repeated subtraction (grouping) – finding how many groups of a given					
Division	equal size can be made from a number;					
211101011	sharing a number into equal parts.					
	It is the inverse of multiplication.					
Dodecagon	A twelve sided polygon.					
Term	Definition					
Edge	The intersection of two faces/curved surfaces of a three-dimensional					
	object.					
Equation	A statement of equality between two expressions (e.g. 3 x 4 = 6 + 6).					
Equilateral triangle	A triangle with congruent (equal) sides and angles. It also has three axes (lines) of symmetry.					
Even number						
	A positive or negative number exactly divisible by 2.					
Exterior						
Exterior Term	Outside.					
Term	Outside. Definition					
Term Face	Outside. Definition A plane (flat) surface of a three-dimensional object.					
Term	Outside. Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number.					
Term Face Factor	Outside. Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line.					
Term Face	Outside. Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line. A way of expressing a proportion (part of a whole).					
Term Face Factor	Outside. Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line.					
Term Face Factor Fraction	Outside. Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line. A way of expressing a proportion (part of a whole). The outcome when you divide an integer by another integer (e.g. 3 ÷ 4 = ¾)					
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Term Face Factor Fraction Frequency Term Greater than Term Hemisphere	Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line. A way of expressing a proportion (part of a whole). The outcome when you divide an integer by another integer (e.g. 3 ÷ 4 = ¾) The number of times something occurs within a study. Definition An inequality between numbers. The symbol used to represent greater than is an arrow pointing towards the smallest number. Definition A 3-D shape made up of a circular face and a curved surface. It is half of a sphere. A polygon with eleven sides and eleven angles: also called an undecagon. A polygon with seven sides and seven angles: also called a septagon.					
Term Face Factor Fraction Frequency Term Greater than Term Hemisphere Hendecagon	Definition A plane (flat) surface of a three-dimensional object. A number which will divide exactly into another number. A number in its own right that can be positioned on a number line. A way of expressing a proportion (part of a whole). The outcome when you divide an integer by another integer (e.g. $3 \div 4 = \frac{3}{4}$) The number of times something occurs within a study. Definition An inequality between numbers. The symbol used to represent greater than is an arrow pointing towards the smallest number. Definition A 3-D shape made up of a circular face and a curved surface. It is half of a sphere. A polygon with eleven sides and eleven angles: also called an undecagon.					

Horizontal	Describes a line or plane parallel to the horizon.					
Term	Describes a line of plane parallel to the nortzon. Definition					
Improper fraction	A fraction whose numerator is equal to or greater than its denominator.					
Integer	A negative or positive whole number.					
Interior	Inside.					
Intersection	The point or line where two lines or two faces meet.					
Innomitan abanca	Polygons which do not have all equal sides and angles or polyhedrons					
Irregular shapes	which do not have all congruent faces and angles.					
Isosceles triangle	A triangle which has two sides of equal length and two equal angles. It also					
	has one axis (line) of symmetry.					
Term	Definition					
Kite	A quadrilateral that has two adjacent pairs of sides that are equal in length,					
	and at least one pair of opposite angles are equal.					
Term	Definition					
Less than	An inequality between numbers. The symbol used to represent less than is					
11	an arrow pointing towards the smallest number.					
Line of symmetry	(See axis of symmetry).					
Line graph	A representation of data collected over time. Each point along the line has a meaningful value.					
Term	Definition					
Term	The measurement of the quantity of matter in an object, measured in					
Mass	grams and kilograms.					
	An average of a set of numbers. The sum of the values in a set of data					
Mean	divided by the total number of items in that set.					
	An average of a set of numbers. The middle value when the numbers are in					
Median	ascending or descending order.					
	An average of a set of numbers. The value that occurs the most often in a					
Mode	set of data.					
Multiple	The product of a given number with another factor.					
	One of the four calculation operations. It can be interpreted as:					
Multiplication	repeated addition – adding the same number to itself a number of times;					
Wattiplication	scaling – making a number so many times greater (or smaller)					
	It is the inverse of division.					
Term	Definition					
	A number less than 0. Indicated by a					
Negative number	- sign before the numeral and read as 'negative 4' for -4. Colloquially said					
Noncon	as 'minus 4', especially when referring to temperature.					
Nonagon Number	A guaratity, massyrement or label indicating a value					
Number	A quantity, measurement or label indicating a value. The written symbol used to represent an amount, value or label. For					
Numeral	example the number three hundred can be represented by the numeral					
Hamerai	300 or CCC using Roman numerals.					
	The number above the line in a fraction which shows the number of					
Numerator	denominator parts considered in a fraction.					
Term	Definition					
Oblique	Oblique means sloping or slanting.					
	A polygon with two pairs of straight, unequal sides and four right angles.					
Oblong	An irregular rectangle.					
Obtuse angle	An angle between 90 and 180 degrees.					
Octagon	A polygon with eight sides and eight angles.					
Octahedron	A polyhedron with eight faces.					
Odd number	A number that when divided by two leaves a remainder of one.					
Ordinal number	Describes a position in a sequence e.g. first, second, third etc.					
Term	Definition					

Parallel lines	Lines with no common points and always the same distance apart.					
Darallalagram	A four-sided polygon with opposite sides equal and parallel and the					
Parallelogram	opposite angles are equal in size.					
	The understanding of how a number (whole) can be shown to be the sum					
Part-part-whole	of two parts. It can be used to represent the relationship between the four					
	operations.					
Partition	The action of splitting a number into parts.					
Pentagon	A polygon with five sides and angles.					
Dorcontago	A way of describing a proportion of an amount by expressing it out of					
Percentage	(every) 100.					
Perimeter	The distance around the boundary of a shape.					
Perpendicular line	A line at right angles to another line or plane. NB The lines do not have to					
r el pellulcular lille	be touching.					
Pictogram	A way of representing discrete data in which a picture or icon is used to					
Pictograffi	represent each item or a given number of items.					
	A way of representing data where the total is represented by a circle (pie)					
Pie chart	and each category shown by a sector of the circle which indicates the					
	frequency of the category.					
Polygon	A plane (flat) shape with straight sides.					
Polyhedron	A three dimensional shape with plane (flat) faces.					
	Indicates the position of a numeral (e.g. the place value of the 3 in 738 is					
Place value	30) and how numbers relate to other numbers within the Base 10 number					
	system.					
Prime number	A number with only two factors, 1 and itself (e.g. 2,3,5,7,11, 13, 17, 19,					
Prime mamber	23)					
Prism	A polyhedron (3-D shape with faces and no curved surfaces) in which					
FIISIII	opposite ends are congruent and these are joined by rectangular faces.					
Product	The result when two or more numbers are multiplied.					
	A polyhedron made of a polygon base with straight edges coming from					
Pyramid	each vertex of the base meeting at a single point (apex). All the other faces					
	are therefore triangular.					
Term	Definition					
	The sectors of a coordinate grid are called quadrants. They are named first					
Quadrant	(+,+), second (-,+), third (-,-) and fourth					
4	(+,-)					
	A quarter of the area of a circle which also contains a right angle.					
Quadrilateral	A polygon with four sides and angles.					
Quotient	The result when one number is divided by another number.					
Term	Definition					
Radius	A line in a circle from the centre to the edge. It is half the diameter.					
Ratio	An expression of the composition between two and two are are accountable of					
Ratio	An expression of the comparison between two or more quantities found					
Ratio	by dividing one quantity by the other.					
Ratio Rectangle	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four					
Rectangle	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles.					
	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles.					
Rectangle	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape					
Rectangle Rectilinear Reflection	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape and its reflection are equidistant from the 'mirror line'.					
Rectangle Rectilinear	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape and its reflection are equidistant from the 'mirror line'. An angle greater than 180 degrees.					
Rectangle Rectilinear Reflection	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape and its reflection are equidistant from the 'mirror line'. An angle greater than 180 degrees. In geometry when a polygon has sides of equal length and angles of equal					
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Rectangle Rectilinear Reflection Reflex angle	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape and its reflection are equidistant from the 'mirror line'. An angle greater than 180 degrees. In geometry when a polygon has sides of equal length and angles of equal size or when a polyhedron has congruent faces and internal angles where faces meet. The only regular polyhedrons are tetrahedron, cube,					
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Rectangle Rectilinear Reflection Reflex angle	by dividing one quantity by the other. A quadrilateral with opposite sides equal and parallel and containing four right angles. A polygon made of lines meeting at right angles. The image of a shape in a 'mirror line'. Corresponding points of the shape and its reflection are equidistant from the 'mirror line'. An angle greater than 180 degrees. In geometry when a polygon has sides of equal length and angles of equal size or when a polyhedron has congruent faces and internal angles where faces meet. The only regular polyhedrons are tetrahedron, cube,					

Roman numerals	Seven letters are used in combination to write numbers: I = 1 V = 5 X = 10 L					
Rotation	= 50 C = 100 D = 500 M = 1000 Turning around a given point – the centre of rotation.					
Rotation	A shape is said to have rotational symmetry if it looks the same in different					
Rotational symmetry	positions when rotated about its centre.					
Rounding	An approximation used to express a number in a more convenient way.					
Term	Definition					
Scalene triangle	A triangle that has three sides of different length and no equal angles.					
_	A 2-D shape with one straight side and one curved edge. It is one half of a					
Semi-circle	circle.					
_	A 3-D shape with one curved surface in which every point on the surface is					
Sphere	equidistant from the centre of the shape.					
Squared	A number squared is a number multiplied by itself.					
Square number	The product of a number multiplied by itself. A number whose units can be					
	arranged into a square (e.g. 1, 4, 9, 16, 25, 36, 49, 64).					
	One of the four calculation operations. It can be interpreted as:					
Subtraction	- take away, in which one number is removed from another;					
	- difference, in which two numbers are compared.					
Sum	The result when two or more numbers are added together.					
Symmetrical	A shape is symmetrical if it is identical on either side of a line dividing it					
Symmetrical	into two parts.					
Term	Definition					
	A system of collecting data when the final total for each category cannot					
Tally	be determined immediately. Items are recorded using vertical lines for					
lally	numbers less than 5 and an oblique line across the vertical lines to show a					
	group of 5.					
Temperature	The measure of hot and cold.					
Tessellation	Shapes fitted together with a number of exact copies and with no overlaps					
T. 1 l	or gaps.					
Tetrahedron	A polyhedron with four faces.					
Translation	This takes place when a shape is moved from one place to another just by					
Trapezium	sliding it (without rotating, reflecting or enlarging). A quadrilateral with only one pair of parallel sides.					
Trapezium	A polygon with three sides and angles. They can be scalene, isosceles or					
Triangle	equilateral, and also described as right angled.					
	A number created by adding consecutive numbers from starting from 1). A					
Triangular number	number whose units can be arranged into a triangle (e.g. 1, 3, 6, 10, 15,					
Triangular riamber	21)					
Term	Definition					
	A diagram used for classification identifying whether members of the set					
Venn diagram	possess given properties.					
Mada	The point at which two sides of a 2-D shape meet or two or more edges of					
Vertex	a polyhedron meet.					
Vertical line	A line which is at right angles to a horizontal line.					
Volume	The amount of liquid in a container or the amount of three-dimensional					
volume	space taken up by an object, measured in cubic units.					
Term	Definition					
Weight	The force of gravity on an object, measured in newtons.					
Term	Definition					
x axis	The horizontal line on a graph or coordinate grid.					
Term	Definition					
y axis	The vertical line on a graph or coordinate grid.					