

Maths Vocabulary List, Year 7

Students are explicitly taught vocabulary as part of their lessons using our 'say it, write it, test it' approach.

Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Integer	a whole number, not a fraction or decimal	Product	the answer when numbers are multiplied together, e.g. $2 \times 3 = 6$, the product is 6	Power	the amount of times a number is multiplied by itself, e.g. 3 to the power of 4 = $3 \times 3 \times 3 \times 3$
Natural Number	positive whole numbers excluding 0	Multiplier	a number by which another is multiplied, e.g. $2 \times 3 = 6$, the multiplier is 2	Index	a small number that follows a variable and indicates the multiplying power, e.g. square, cube root
Placeholder	If a column has no value, we put a placeholder 0 in it.	Multiplicand	a number which is multiplied by another, e.g. $2 \times 3 = 6$, the multiplicand is 3	Square	multiply the same number by itself
Sum	the total amount resulting from the addition of two or more numbers	Quotient	in division, the number of times one number divides into another	Cube	multiply a number by itself, and then again
Difference	the number left after taking one number away from another, or the amount between two numbers	Divisor	a number by which another number is divided, e.g. in 6 divided by 3, the divisor is 2	Expression	a collection of symbols and numbers that represent a quantity, e.g. $5x + 3y$
Summand	a quantity to be added to another.	Dividend	the number you want to divide, e.g. in 6 divided by 3 = 2, the dividend is 6	Term	a number or symbol used in a mathematical series or calculation
Minuend	the number from which you subtract another number, e.g. in $8 - 7 = 1$, the minuend is 8	Commutative	giving the same answer whichever way round it is written, e.g. $2 \times 3 = 6$ or $3 \times 2 = 6$	Variable	numbers that we don't know which can change their value
Subtrahend	a number which is subtracted from another, e.g. in $8 - 7 = 1$, the subtrahend is 7	Factor	a number that divides exactly into another number, e.g. 2 and 6 are both factors of 12	Constant	a number or value which remains the same in all circumstances
Compliment	the collection of elements not in the set	Prime	a number with two, and only two, factors	Binomial	the sum or difference of two terms
Perimeter	the total distance around the outside of a shape	Coprime	two numbers that have no common factor other than 1.	Polynomial	having several terms

Maths Vocabulary List, Year 8

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Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Percentage	a fraction out of one hundred, shown by the symbol %; e.g. 30% = 30/100	Point	a point is represented by a dot (.) and is used to tell exact location in space	Interior	situated on or relating to the inside of something; inner
Equivalent	fractions that look different but are equal in value	Line	a pathway formed between two points	Parallel	side by side, always the same distance apart and never meeting
Recurring	a decimal fraction where a figure or sequence of figures are repeated infinitely, e.g. 0.3333333...	Segment	a part of a circle enclosed between a chord and an arc	Regular	a polygon in which all sides are the same length and all angles are equal (otherwise termed irregular)
Terminating	a decimal fraction whose decimal places come to a natural end, e.g. 0.25	Ray	a part of a line that has a fixed starting point but no endpoint	Irregular	not regular, with unequal sides and angles
Round	replacing a number with an approximate value that has a shorter, simpler, or more explicit representation	Vertex	any corner point where two lines meet on a 2D or 3D shape	Transversal	(a line) cutting across two or more other lines
Expression	a statement involving at least two different numbers (known or unknown) and at least one operation	Locus (loci)	a curve or other figure formed by all the points satisfying a particular equation of the relation between coordinates; a path formed by a point which moves according to a rule	Alternate	angles that occur on opposite sides of the transversal line and have the same size
Term	a number or symbol used in a mathematical series or calculation	Equidistant	at equal distances	Corresponding	angles that are formed where a line known as an intersecting transversal, crosses through a pair of straight lines
Coefficient	a number before a variable in an equation or formula, e.g. in $2y$, 2 is the coefficient	Arc	a part of a curve, especially a part of the circumference of a circle	Cointerior	angles that lie between two lines and on the same side of a transversal
Variable	a value that can change	Construct	to draw a shape accurately using a ruler and compass, and sometimes a protractor	Bearing	the direction you're facing, measured clockwise as an angle from true north on a compass
Constant	a number or value which remains the same in all circumstances during a calculation	Bisector	a line dividing a shape into two equal parts		

Maths Vocabulary List, Year 9

Students are explicitly taught vocabulary as part of their lessons using our 'say it, write it, test it' approach.

Autumn		Spring		Summer	
Keyword	Definition	Keyword	Definition	Keyword	Definition
Inequality	An expression where the two sides are not equal and the signs $<$ or $>$ are used, e.g. $3x-7 < 9$	Relative Frequency	how often something happens divided by all the number of all possible outcomes	Gradient	the degree of steepness of a slope; used in Maths to calculate the equation of a line on a graph
Interpolate	Estimating a value inside a set of data points	Perpendicular	90 degrees to a surface, especially a horizontal surface	Density	the mass of a substance per unit volume
Extrapolate	To predict future outcomes/values based on a known sequence/facts	Simultaneous Equation	two equations which need to be solved at the same time in order to find the unknown values	Segment	a part of a circle enclosed between a chord and an arc
Velocity	The measurement of an object's speed in a certain direction; measured in metres per second, miles per hour, etc.	Congruent	identical in shape and size, matching exactly if turned, flipped or slid onto each other	Radius	a straight line from the centre to the circumference of a circle or sphere
Tera	A prefix meaning one trillion	Translation	the act of moving an object up or down or from side to side, but keeping the shape, size and direction	Chord	A line segment connecting two points on a curve.
Giga	A prefix meaning one billion	Reflection	a mirror image of a shape	Diameter	the line across the middle of a circle through the centre
Kilo	A prefix meaning one thousand	Enlargement	the act or result of making a shape larger or smaller	Circumference	the measurement or line around the outside of a circle or curved shape
Milli	A prefix meaning one-thousandth	Rotation	the process of moving a shape around a fixed point	Tangent	the line that touches a circle at one point, perpendicular to the radius of the circle
Micro	A prefix meaning one-millionth			Arc	a part of a curve, especially a part of the circumference of a circle
Nano	A prefix meaning one-billionth			Sector	the area between two radiuses and the connecting arc of a circle.