
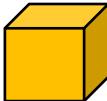






## Mathematics Mastery vocabulary list

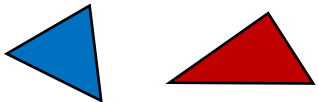
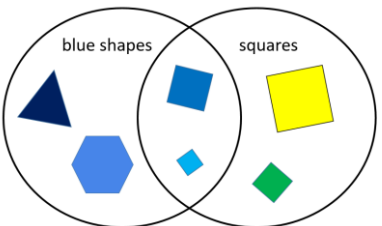
### Reception

Reception	Definition	Example
Above	Used to describe a higher position than another object.	The Maths Meetings board is <b>above</b> the sink.
Add	Carry out the process of addition.	I can <b>add</b> two numbers together to find a total.
Addition	The operation to combine at least two numbers or quantities to form a further number or quantity, the sum or total. Addition is the inverse operation to subtraction.	Three plus seven is equal to ten. This is an <b>addition</b> equation.
Altogether	In total.	That will be £2 <b>altogether</b> please.
Balance	A measuring tool used to weigh objects. It has two dishes hanging on a bar. Both dishes will be level when the contents weigh the same. Also, as a verb, indicates equivalence and equality.	The objects in the <b>balance</b> are unequal in weight because the dish on the right side is lower down than the dish on the left side. The two objects <b>balance</b> which means they have the same mass.
Before	In front of or prior to.	The number '3' comes <b>before</b> '5' on the number line.
Below	Used to describe a lower position than another object.	The sink is <b>below</b> the Maths Meetings board.
Between	Indicates a position in relation to two other places or objects on either side.	The teacher is standing <b>between</b> two tables.
Capacity	The amount of liquid a container can hold.	This cup is full to <b>capacity</b> because it cannot hold any more water.
Circle	The name of a 2-D shape. A circle has a curved side.	
Clock	A tool used to measure time.	The <b>clock</b> shows us that the time is now 2 o'clock.
Compare	Look for similarities and/or differences between at least two objects or sets.	I can <b>compare</b> these two sets – this set has more.

Corner	A point where two or more lines meet. The correct mathematical term is vertex (vertices).	The table has four <b>corners</b> (vertices).
Cost	A monetary value assigned to a good or service.	This apple <b>costs</b> 10p. What coin could I use to pay for it?
Count	Assigning one number name to each of a set of objects to determine how many there are.	I <b>counted</b> the children in the group – there are four so we will need four pencils.
Cube	A 3-D shape with six identical square faces.	
Cuboid	A 3-D shape with six rectangular faces.	
Curved surface	A non-plane surface of a 3-D shape. Both cones and cylinders have curved surfaces.	The cone has a <b>curved</b> surface.
Cylinder	A 3-D shape with two circular faces joined by a curved surface.	
2-D	Abbreviation for two-dimensional. A figure is two-dimensional if it lies on a plane.	A square is a <b>2-D</b> shape.
3-D	Abbreviation for three-dimensional. A solid is three-dimensional and occupies space.	A cylinder is a <b>3-D</b> shape.
Describe	To express mathematical features, qualities and details in words.	Can you <b>describe</b> the properties of a cube?
Difference	The numerical difference between two numbers or sets of objects. It is found by comparing the quantity of one set of objects with another.	The <b>difference</b> between ten and six is four.
Direction	The orientation of a line in space.	Which <b>direction</b> should we jump – forwards or backwards?
Distance	A measure between two points or things.	The <b>distance</b> between my house and the school is longer than that between the school and the train station.
Double	To multiply by two or add a value to itself.	Ten is <b>double</b> five.
Edge	A line segment joining two vertices of a plane figure (2-D shape) and the intersection of two plane faces (in a 3-D shape).	A triangle has three <b>edges</b> and a cube has 12 <b>edges</b> .
Empty	Containing nothing. Most commonly used in the context of measures.	There is no more water left in the jug – it is <b>empty</b> .
Equal	Indicates equivalence between two values and can be expressed with the symbol '='. The symbol is read as 'is equal to' which means the	My sets are <b>equal</b> because there are four bears in this set and there are four bears in this set.

	same as. Expressions on either side of the symbol have the same value.	
Face	One of the plane surfaces of a solid shape.	A cube has six <b>faces</b> .
Fewer	A lesser amount – used when counting discrete objects, i.e. countable objects such as, pens, teddies, counters, etc.	There are <b>fewer</b> buttons on my coat than yours.
First	Comes before all others in time or position.	<b>First</b> I brush my teeth. Then I go to bed.
Flat	A level surface.	The table has a <b>flat</b> rectangular surface.
Full	Contains/holds as much or as many as possible; has no empty space.	The juice carton is not <b>full</b> because I drank some.
Group	To make equal size groups. This is one model for division.	I will <b>group</b> the crayons equally so that each person gets two.
Half	One of two equal parts of a shape, quantity or object.	I have shared the dolls into two equal groups – I have <b>half</b> and you have <b>half</b> .
Intersection of sets	Where the two subsets overlap in a Venn diagram. Objects or values which belong to both subsets are placed here.	The number 4 belongs in the <b>intersection</b> because it is even <i>and</i> less than 5.
Last	Comes after all others in time or order.	Rory is the <b>last</b> person in the line.
Length	A linear measurement.	The <b>length</b> of my snake is shorter than yours.
Less	A smaller amount or not as much.	I have 15p and you have 7p. you have <b>less</b> money than me.
Line	A set of adjacent points that has length but no width.	I have drawn a <b>line</b> matching the number four with the four ducks.
Long	An adjective used to describe length.	I have a <b>long</b> piece of string.
Mass	A measure relating to the amount of matter within a given object.	The <b>mass</b> of the school bag is greater than the <b>mass</b> of the book.
Measure	To find the size of something in a given unit.	How might we <b>measure</b> how much flour we need to bake a cake?
Minus	A name for the symbol ‘-’, which denotes the operation of subtraction.	Three <b>minus</b> one is equal to two.
More	A greater amount.	I have six apples and you have two. I have <b>more</b> .
Next	Comes immediately after the present one in order.	The <b>next</b> shape in my pattern is a square.
Number bond	A pair of numbers with a given total.	Five and four make a <b>number bond</b> to nine.
Number line	A linear, continuous representation of number. Each number occupies a point on the line, and there is an equal interval between each number.	This <b>number line</b> starts at zero and ends at ten.

Number track	A linear, discrete representation of number. Each number is positioned in a square on the track.	I can count from one to ten, moving a counter along this <b>number track</b> .
Order	Describes the placement of items according to given criteria or in a pattern. As a verb, to place items according to given criteria or in a pattern.	I have <b>ordered</b> the bears from smallest to biggest.
Pair	A set of two things used together.	Socks come in a <b>pair</b> – one for each foot.
Pattern	A systematic arrangement of numbers, shapes or other elements according to a rule.	The <b>pattern</b> is red, blue, red, blue, red blue.
Plus	The word representing the operation of addition. It is also the name for the symbol '+’.	Five apples <b>plus</b> two apples are equal to seven apples.
Rectangle	A quadrilateral with four right angles.	
Second	<ol style="list-style-type: none"> <li>1. A unit of time.</li> <li>2. An ordinal number.</li> </ol>	Mohsin is <b>second</b> in the line today.
Sequence	A series of numbers or other elements which follow a rule.	The number 3 is next in the <b>sequence</b> because each number is one less than the one before.
Set	A defined group of objects, numbers or other elements.	I have placed all the purple counters in this <b>set</b> because they are all the same colour.
Share	To distribute fairly between a given number of recipients. This is one model for division.	I will <b>share</b> the crayons equally between the people at the table.
Short	An adjective used to describe length.	This string will not reach to the door. It is too <b>short</b> .
Side	A straight line that forms part of the boundary of a shape.	This shape has four straight <b>sides</b> .
Size	An element’s overall dimensions or magnitude.	The <b>size</b> of my shoe is smaller than my teacher’s.
Sort	To organise a set of elements into specified categories.	I will <b>sort</b> these objects based on their size.
Square	A quadrilateral with four equal length sides and four right angles.	
Straight	A line or movement uniform in direction, without bends or curves.	The walls of the school are <b>straight</b> .
Subtract	Carry out the process of subtraction.	Nine <b>subtract</b> three is equal to six.
Subtraction	The inverse operation to addition.	We are taking some away so it is a <b>subtraction</b> question.
Sum	The result of one or more additions.	The <b>sum</b> of five and three is eight.
Surface	An outer boundary of a 3-D object.	This cone has a curved <b>surface</b> .
Take away	Used in the reduction structure of subtraction. To remove a number of items from a set.	He ate three of the sweets so we need to <b>take away</b> three counters.

Tall	Measuring a specific distance from top to bottom.	Our class teacher is not as <b>tall</b> as our head teacher.
Time	Related to duration. Measured in seconds, minutes, hours, days, weeks, months, years etc.	After lunch it will be <b>time</b> for P.E.
Total	The sum found by adding.	There are a <b>total</b> of five people at this table.
Triangle	A polygon with three sides.	
Venn diagram	Two or more circles which represent given sets and intersect according to these.	
Vertex (pl. vertices)	The point at which two or more lines intersect.	This shape has five <b>vertices</b> .
Weight	The force exerted on an object by gravity. Weight therefore changes with a change in gravitational force. Used interchangeably with mass until KS2.	The <b>weight</b> of this book is heavier than the pencil.
Zero	The number before one. It is neither positive nor negative.	<b>Zero</b> comes before one on the number track.