

Algebraic Fractions Starters: key vocabulary

algebraic fraction	..	a fraction that contains letters as well as numbers
area	.....	the amount of space inside a flat shape
base	.....	the side of a shape chosen as the bottom for working out its area.
bracket	.....	one of a pair of curved symbols, (), used to group numbers or letters.
cancelling	.....	removing the same factor from the top and bottom of a fraction
cube	.....	the number you get when a value is multiplied by itself twice.
cube root	.....	a number that gives a specified value when multiplied by itself twice more
cuboid	.....	a 3D solid shape whose six faces are all rectangles.
difference of two squares		an expression like one square minus another square
expand	.....	to multiply out brackets so the expression has no brackets left
factor	.....	a whole number that divides exactly into another number
factor pair	.....	Two numbers that multiply together to make a chosen number.
factor tree	.....	a diagram that splits a number into factors until only prime factors remain
factorise	.....	to write an expression as a product, usually by putting brackets back in
fraction	.....	a number written as one whole split into equal parts, with a number of those parts taken
HCF	.....	the largest whole number that divides exactly into two or more numbers
index	.....	the small raised number showing what power something is raised to
intersection	.....	the part where two circles in a Venn diagram overlap
LCM	.....	the smallest number that two or more numbers all divide into exactly
negative index	.....	a small raised number that is negative, telling you to take the reciprocal
numerator	.....	the number above the line in a fraction, showing how many equal parts are taken
perimeter	.....	the total distance around the edge of a shape
power	.....	how many times a number is multiplied by itself
prime	.....	a whole number greater than 1 that divides only by itself and 1
prime factor	.....	A factor that is also a prime.
product	.....	the answer when two or more numbers are multiplied
quotient	.....	the answer when one number is divided by another
reciprocal	.....	the number you multiply by to get 1, found by turning a fraction upside down
simplest form	.....	a fraction written with the smallest possible numbers above and below the line.
simplify	.....	to write something in its smallest or plainest form without changing its value
square	.....	to work out a number times itself; also a flat shape with four equal sides and four equal corners
square number	.....	a result of multiplying a whole number by itself, such as 1, 4, 9, 16.
square root	.....	a number that gives another number when multiplied by itself a given number of times
sum	.....	the answer when numbers are added together
surd	.....	a root that cannot be written exactly as a fraction, so it is left in root form
term	.....	one part of an expression or one number in a sequence

Venn diagram a diagram with circles that shows what different groups share

volume the amount of space inside a solid shape

Match the word to its meaning

algebraic fraction	the amount of space inside a flat shape
area	the number you get when a value is multiplied by itself twice.
base	one of a pair of curved symbols, (), used to group numbers or letters.
bracket	a fraction that contains letters as well as numbers
cancelling	to multiply out brackets so the expression has no brackets left
cube	a whole number that divides exactly into another number
cube root	Two numbers that multiply together to make a chosen number.
cuboid	the side of a shape chosen as the bottom for working out its area.
difference of two squares	removing the same factor from the top and bottom of a fraction
expand	an expression like one square minus another square
factor	the largest whole number that divides exactly into two or more numbers
factor pair	a number that gives a specified value when multiplied by itself twice more
factor tree	a 3D solid shape whose six faces are all rectangles.
factorise	the part where two circles in a Venn diagram overlap
fraction	to write an expression as a product, usually by putting brackets back in
HCF	the small raised number showing what power something is raised to
index	a small raised number that is negative, telling you to take the reciprocal
intersection	a diagram that splits a number into factors until only prime factors remain
LCM	a number written as one whole split into equal parts, with a number of those parts taken
negative index	the smallest number that two or more numbers all divide into exactly
numerator	a whole number greater than 1 that divides only by itself and 1
perimeter	how many times a number is multiplied by itself
power	the answer when two or more numbers are multiplied

Match the word to its meaning: answers

algebraic fraction	the amount of space inside a flat shape
area	the number you get when a value is multiplied by itself twice.
base	one of a pair of curved symbols, (), used to group numbers or letters.
bracket	a fraction that contains letters as well as numbers
cancelling	to multiply out brackets so the expression has no brackets left
cube	a whole number that divides exactly into another number
cube root	Two numbers that multiply together to make a chosen number.
cuboid	the side of a shape chosen as the bottom for working out its area.
difference of two squares	removing the same factor from the top and bottom of a fraction
expand	an expression like one square minus another square
factor	the largest whole number that divides exactly into two or more numbers
factor pair	a number that gives a specified value when multiplied by itself twice more
factor tree	a 3D solid shape whose six faces are all rectangles.
factorise	the part where two circles in a Venn diagram overlap
fraction	to write an expression as a product, usually by putting brackets back in
HCF	the small raised number showing what power something is raised to
index	a small raised number that is negative, telling you to take the reciprocal
intersection	a diagram that splits a number into factors until only prime factors remain
LCM	a number written as one whole split into equal parts, with a number of those parts taken
negative index	the smallest number that two or more numbers all divide into exactly
numerator	a whole number greater than 1 that divides only by itself and 1
perimeter	how many times a number is multiplied by itself
power	the answer when two or more numbers are multiplied