

IntroducingIndicesAndRoots: key vocabulary

algebraic variable ..	a letter, such as a, x or m, that stands for a number that can change.
area	the amount of space inside a flat shape
base	the side of a shape chosen as the bottom for working out its area.
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
cubed	the number you get when a value is multiplied by itself twice.
decimal place	the position of a digit after the decimal point, such as tenths or hundredths
denominator	the number below the line in a fraction, showing how many equal parts the whole is split into
dimension	a measurement of a shape, such as its length or width.
edge	a straight line where two faces of a solid meet
equivalent	having the same value, even though it is written differently
even	able to be divided exactly by 2.
expression	a group of numbers and letters joined by operations, with no equals sign
factor	a whole number that divides exactly into another number
factorial	the result of multiplying all whole numbers from a given number down to 1.
fourth root	a number that gives a specified value when four copies are multiplied together
fraction	a number written as one whole split into equal parts, with a number of those parts taken
hypervolume	the amount of space inside a four-dimensional shape, measured in fourth-power units.
index	the small raised number showing what power something is raised to
index form	A way of writing repeated multiplication using a small raised number, such as 2^3 .
indices	the small raised number showing what power something is raised to
negative	below zero; a number or term with a minus sign is below zero.
numerator	the number above the line in a fraction, showing how many equal parts are taken
odd	a whole number that cannot be split exactly into two equal whole numbers.
positive	a number greater than zero.
power	how many times a number is multiplied by itself
right angle	a square corner, exactly a quarter of a full turn.
root	a number that gives another number when multiplied by itself a given number of times
scale	to enlarge or shrink a shape so every length changes in the same way
sign	The plus or minus mark that tells whether a value is positive or negative.
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 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

squared	to work out a number times itself; also a flat shape with four equal sides and four equal corners
tesseract	the four-dimensional shape made by moving a cube in a fourth direction.
volume	the amount of space inside a solid shape
whole number	a number that is not negative and has no part after a decimal point, such as 0, 1, 2 or 3.

Match the word to its meaning

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	the amount of space inside a four dimensional

Match the word to its meaning: answers

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