

Introducing Surds: key vocabulary

algebra	a branch of mathematics using letters to stand for unknown numbers
area	the amount of space inside a flat shape
decimal	a number written with a point, where the digits after the point are parts of a whole
decimal places	the digits written after the point in a number.
expression	a group of numbers and letters joined by operations, with no equals sign
factor	a whole number that divides exactly into another number
formula	a rule written with letters, showing how to work one quantity out from others
fraction	a number written as one whole split into equal parts, with a number of those parts taken
like surds	two or more values with the same number under the root sign
like terms	terms that have the same letter or letters, or no letter, so they can be added or subtracted together.
perimeter	the total distance around the edge of a shape
rectangle	a flat shape with four straight sides and four square corners.
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
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
surd	a root that cannot be written exactly as a fraction, so it is left in root form
triangle	a flat shape with three straight sides
truncate	to cut off extra digits instead of rounding the number
whole number	a number that is not negative and has no part after a decimal point, such as 0, 1, 2 or 3.

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