

BearingsChallenge: key vocabulary

angle	the amount of turn between two straight lines that meet at a point
apex	the point of a triangle opposite the base, often its top point.
area	the amount of space inside a flat shape
base	the side of a shape chosen as the bottom for working out its area.
bearing	a direction given as an angle clockwise from north, written with three figures
constant	a fixed number that stands alone, like 3 in $3x+3$.
coordinates	a number or pair of numbers that fixes the position of a point.
cosine	in a three-sided shape with a right angle, the ratio of the adjacent side to the hypotenuse.
cosine rule	a formula connecting three side lengths and one angle in a three-sided shape.
degree	a unit for measuring angles; 360 of them make one full turn.
displacement	the straight-line distance and direction from a starting point to a final position.
equation	a mathematical statement with an equals sign showing that two sides are equal.
fraction	a number written as one whole split into equal parts, with a number of those parts taken
integer	a whole number, which may be positive, negative or zero
isosceles triangle ...	a three-sided shape with two sides equal in length
non-reflex angle	the smaller angle between two lines, measuring less than 180 degrees
origin	the fixed point (0,0) on a coordinate grid.
Pythagoras' theorem	in a right-angled triangle, the longest side times itself equals the other two sides times themselves, added together.
radius	the distance from the centre of a circle to its edge
range	the difference between the largest and smallest values
right-angled triangle	a three-sided shape with one corner of 90 degrees.
round	to replace a number with a nearby simpler one
scale	to enlarge or shrink a shape so every length changes in the same way
simultaneous equations	two or more equations with the same unknown values that are solved together.
trigonometry	the mathematics of relationships between angles and side lengths in triangles.
upper bound	a number that is greater than or equal to every possible value in a set.
variable	a letter standing for a quantity that can change
vector	a quantity with both size and direction

Match the word to its meaning

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Match the word to its meaning: answers

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