

adjacent

next to

angle of depression

the angle between the horizontal and the line of sight, looking down

angle of elevation

the angle between the horizontal and the line of sight, looking up

compass bearing

a direction shown by points on a compass, such as north (N), south (S), west (W), east (E), NE, NW, SE and SW

cosine

a ratio in a right-angled triangle of the adjacent side divided by the hypotenuse

degree

the unit of  
measurement for  
angles

hypotenuse

the longest side of a  
right-angled triangle

minute

a measure of angle  
size; equal to one-  
sixtieth of a degree

Pythagoras'  
Theorem

in a right-angled triangle, the  
square on the hypotenuse is  
equal to the sum of the  
squares of the two shorter  
sides

ratio

a relationship between  
quantities that are  
measured in the same  
units e.g. 5:1

reduction

the action or fact of making something smaller or less in amount, degree, or size

scale diagram

a drawing of an object , usually smaller, whose lengths are in the same ratio as the actual lengths of the object

scale factor

the ratio of image length over object length for a pair of similar figures

similar figures

figures that have the same shape, with matching sides in the same ratio

sine

a ratio in a right-angled triangle of the opposite side divided by the hypotenuse

tangent

a ratio in a right-angled triangle of the opposite side divided by the adjacent side

true bearing

a direction expressed as a three-digit angle measured clockwise starting from north