

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Chapter: Four

Word Box

Directions: Complete the statements given below by choosing the word from the word box and writing in the spaces provided.

equiangular	basic proportionality	corresponding sides	parallel
congruent	equal	similar	proportional
Pythagoras	scale factor		

- Two figures having the same shape and size are said to be _____ .
- Two figures are said to be _____ if they have same shape but not necessarily the same size.
- All similar figures need not be _____ .
- If two polygons are similar then the same ratio of the corresponding sides is referred to as the _____ .
- Two triangles are said to be _____ if corresponding angles of two triangles are equal.
- _____ theorem states that if a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.
- _____ theorem states that in a right triangle, the square of the hypotenuse is equal to the sum of the squares of the other two sides.
- If a line divides any two sides of a triangle in the same ratio, then the line is _____ to the third side.
- The ratio of the areas of two similar triangles is equal to the square of the ratio of their _____ .
- All circles are _____ .
- All squares with edges of equal length are _____ .
- Two polygons of the same number of sides are similar, if their corresponding angles are _____ and their corresponding sides are _____ .