

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Word Box

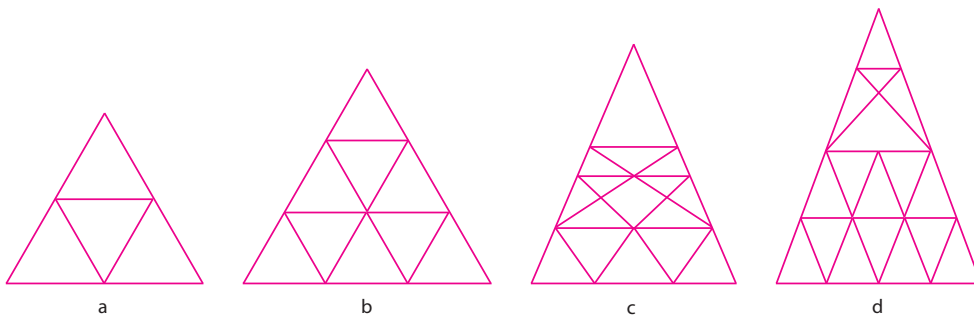
**Directions:** Complete the statements by writing the word from word box on the spaces provided.

larger	angles	congruent	equilateral
greater	included	isosceles	two
sides	perpendicular bisector		

- Two figures are \_\_\_\_\_, if they are of the same shape and of the same size.
- Two triangles are congruent if \_\_\_\_\_ sides and the \_\_\_\_\_ angle of one triangle are equal to the \_\_\_\_\_ sides and the included angle of the other triangle.
- \_\_\_\_\_ opposite to equal sides of a triangle are equal.
- \_\_\_\_\_ opposite to equal angles of a triangle are equal.
- If the altitude from one vertex of a triangle bisects the opposite side, then the triangle is \_\_\_\_\_.
- In a triangle, angles opposite to the longer side is \_\_\_\_\_.
- In a triangle, side opposite to the \_\_\_\_\_ angle is longer.
- Sum of any two sides of a triangle is \_\_\_\_\_ than the third side.
- A point equidistance from two given points lies on the \_\_\_\_\_ of the line segment joining the two points.
- Each angle of an \_\_\_\_\_ triangle is  $60^\circ$ .

## Recreation Time

### Count the Triangle



- Can you tell how many triangles are there in each of these figures?