

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

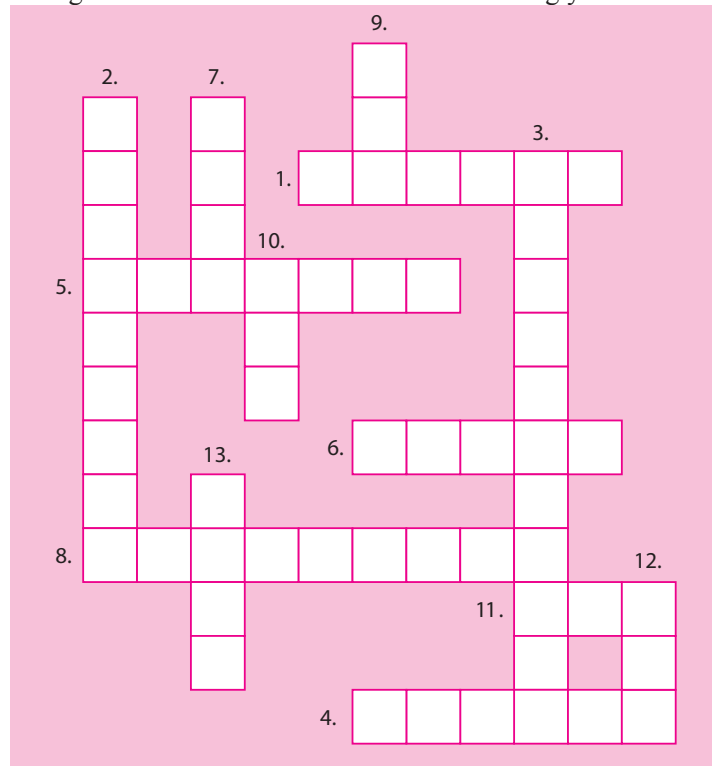
Date:

Name:

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Puzzle

- Look at the crossword puzzle given below and fill in the blanks accordingly.



Across

- In a triangle, side opposite to the greater angle
- _____ opposite to equal sides of a triangle are equal.
- Angle opposite to greater side of a triangle _____.
- Sides opposite to equal angles of a triangle _____.
- The sum of any two sides of a triangle is greater than _____.
- Congruence criterion when one angle and one side of a right triangle are equal to corresponding side and angle of another right triangle.

Down

- If two sides and included angle of the triangle are equal to two sides and the included angle of the other triangle, then two triangles are _____.
- Each angle of an _____ triangle is 60° .
- In an isosceles triangle altitude from the vertex bisects _____.
- Number of equal sides of an isosceles triangle.
- One of the criteria for congruence of triangles.
- Congruence criterion when three sides of a triangle are equal to the corresponding sides of another triangle.
- If all angles of a triangle are equal then all of its _____ are also equal.