

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

**1. Write the correct answer for each of the following.**

- (i.)  $\Delta ABC$  is an isosceles triangles in which  $AB = AC$ . Sides BA is produced to D such that  $AD = AB$ . Show that  $\angle BCD$  is a right angle.

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- (ii.) Prove that the perimeter of a triangle is greater than the sum of its three medians.

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