

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

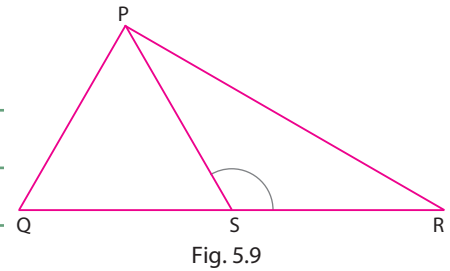
Name:

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Assignment

1. In Fig. 5.9, $PR > PQ$ and PS bisects $\angle QPR$. Prove that $\angle PSR > \angle PSQ$.

Sol.



2. Show that in a right triangle, the hypotenuse is the longest side.

Sol.

3. Prove that any two sides of a triangle are together greater than twice the median drawn to the third side.

Sol.
