



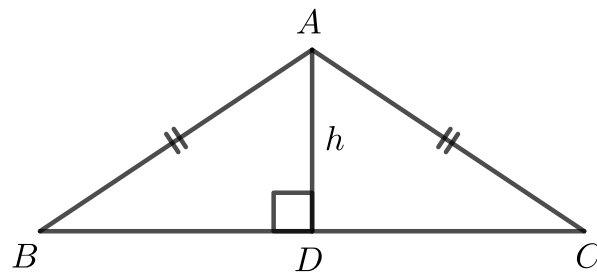
Problem of the Week

Problem D

Different Lengths

$\triangle ABC$ is isosceles with $AB = AC$. All three side lengths of $\triangle ABC$ and also altitude AD are positive integers.

If the area of $\triangle ABC$ is 60 cm^2 , determine all possible perimeters of $\triangle ABC$.



NOTE: You may use the fact that the altitude of an isosceles triangle drawn to the unequal side bisects the unequal side.

