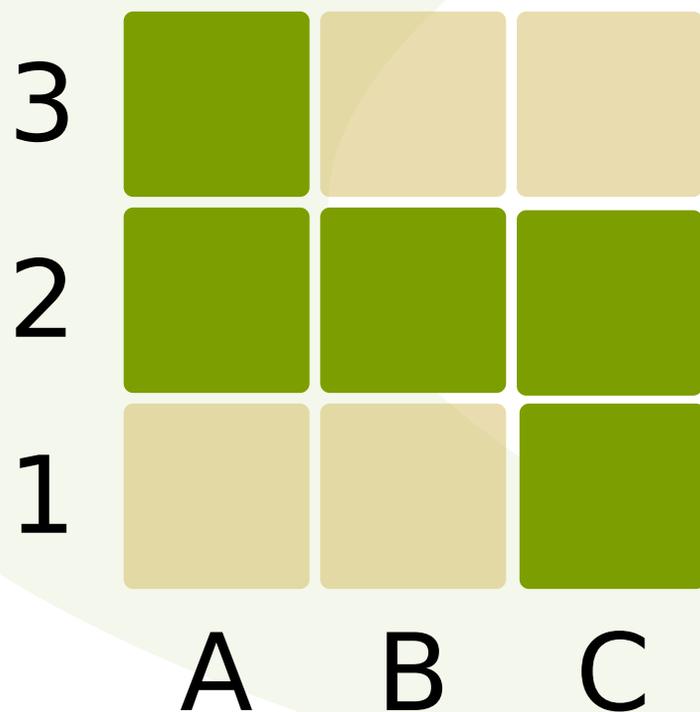# Coordinates

Discover which of the three girls described correctly the shaded region.

Mary: A2, B2, C2, A3, C3

Martha: A3, A2, B2, C1, C2
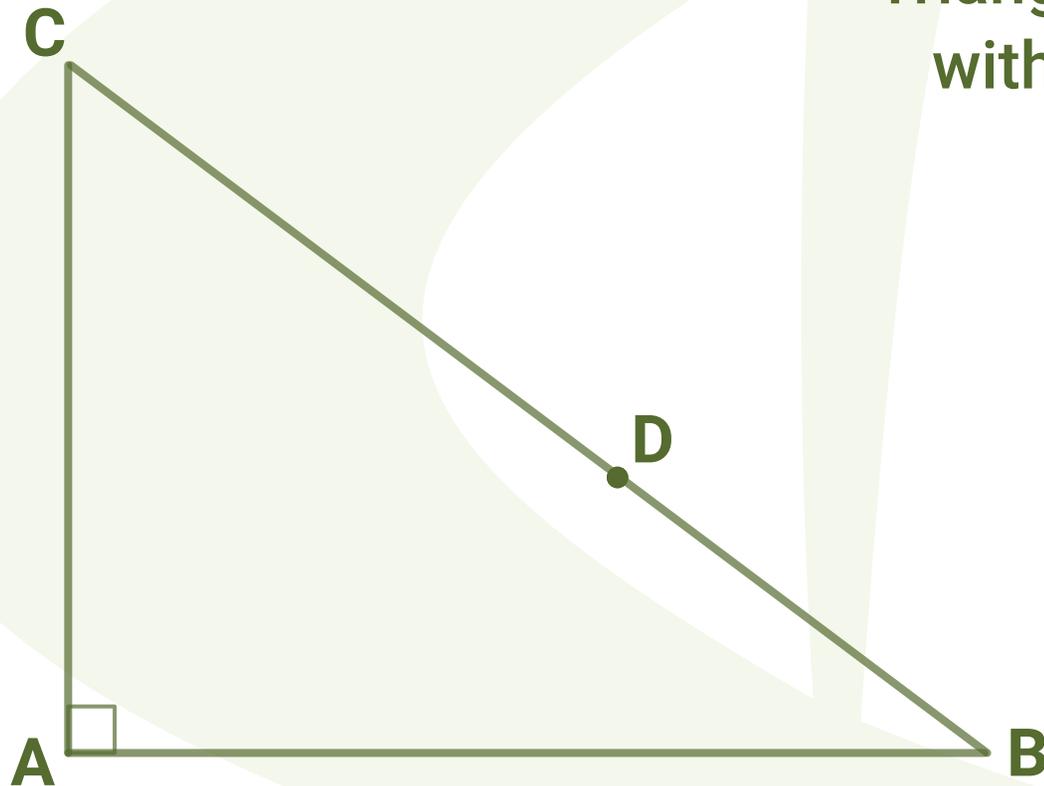
Magda: B2, C2, C1, A2, A1

Grid

A grid of 10 points forms an equilateral triangle.

Determine how many straight lines can be drawn such that each line contains exactly two points from this grid.

Quick Geometry Perimeters

Triangle ∆**ABC** is a right triangle with legs of lengths **60** y **80**.

Point **D** is located on side $\overline{BC}$ such that triangles ∆**ADC** and ∆**ABD** have the same perimeter.

Determine **AD**.