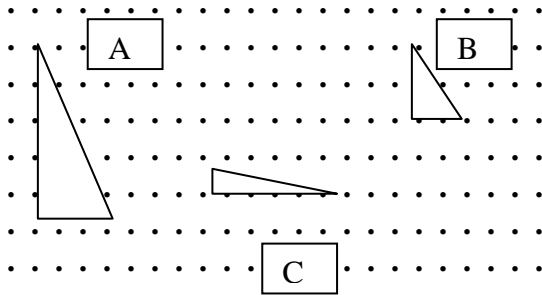


Cindy Adams cindy.adams@albany.k12.or.us
Area of Triangles
Strand: Measurement
Level: 6th Grade

Materials:
Geoboards & Geobands
Geoboard Dot Paper
Pencil/Paper

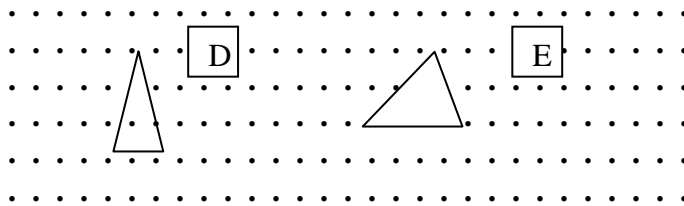


Task:

Construct triangles A, B, and C on your Geoboard. Record your work on Geoboard Dot Paper and label the base and height of each triangle with b and h .

Step 1: Show 2 ways to determine the area of each triangle. Use words/pictures/Geoboard to explain your thinking. Record your thinking on Dot Paper.

Step 2: Determine a strategy that works to find the area of triangle D. How can you prove your strategy works? Does it work for triangle E? Use words/pictures/Geoboard to explain your thinking. Record your thinking on Dot Paper.



Step 3: What do you notice about these five triangles? How might your strategy for proving the area formula differ with different types of triangles?

Extension: Find the area of a triangle using a formula that supports your strategy. Record your thinking on Dot Paper.