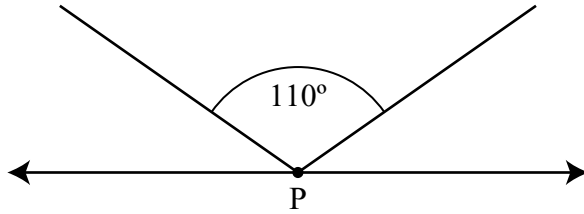


## Polygons / Prisms / Volume Sample Problems

179.



Point P is the vertex of two acute angles which have the same measure. The obtuse angle which lies between them measures  $110^\circ$ . What is the measure of each acute angle?

Be prepared to explain how you got your answer.

234. The grid shown at right is made of square centimeters.

a. What is the area of the polygon drawn in bold print?

b. How many 1-centimeter cubes would fit in a layer on top of the surface inside the polygon?

c. Suppose you built a prism by stacking 5 layers of cubes on top of the surface inside the polygon.

How many cubes would be in the prism?

d. What would be the volume of the prism?

