

Polygons Sample Activity

231. a. Draw a polygon whose angles are all right angles.
- b. Draw a polygon whose angles are all acute.
- c. Draw a polygon whose angles are all obtuse.

Note: Before drawing these, use strips of paper, push pins and a cork board to model them.

Take as much time as necessary to let students experiment with the new issues that are raised by the figures they have drawn.

For a: Notice that everyone drew a rectangle. Could they have drawn something else?

For b: Notice that everyone drew a triangle. Is this just a coincidence, or did the figures have to be triangles?

For c: We see that everyone drew a figure which has more than 4 sides. Is it possible for a triangle or a quadrilateral to have all angles greater than right angles?