Key Geometry Information

ANGLE MEASURES OF A TRIANGLE A line segment is part of a line containing two endpoints and all of the points between them. A triangle is a figure formed by three line segments that intersect only at their endpoints.

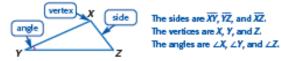


Reading Math

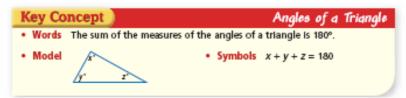
Line Segment

The symbol for line segment XY is \overline{XY} .

Triangles are named by the letters at their vertices. Triangle XYZ, written Δ XYZ, is shown.



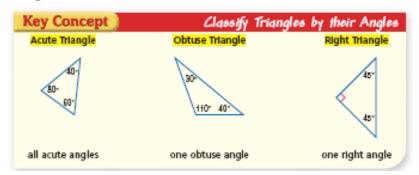
The activity above suggests the following relationship about the angles of any triangle.



CLASSIFY TRIANGLES Triangles can be classified by their angles. All triangles have at least two acute angles. The third angle is either acute, obtuse, or right.

Study Tip

Equiangular
In an equiangular triangle,
all angles have the same
measure, 60°.



Triangles can also be classified by their sides. Congruent sides have the same length.

Study Tip

Reading Math
Tick marks on the sides of
a triangle indicate that
those sides are congruent.

