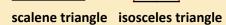
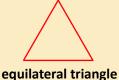


www.beijingmath.com

Geometry

Triangles A triangle has three sides and three angles. • Base: any side of the triangle • Height: a line segment perpendicular to the base from the opposite vertex С **Classification of triangles by their angles:** • An acute triangle has three acute angles (an acute angle measures less than 90°) • A right triangle has one 90° angle acute triangle right triangle • An obtuse triangle has an obtuse angle (an obtuse angle has more than 90°) obtuse triangle **Classification of triangles by their sides:**





- Equilateral triangle: three equal sides, three equal angles
- Isosceles triangle: two equal sides, two equal angles
- Scalene triangle: no equal sides, no equal angles

Triangle properties:

- Angles on the inside sum up to 180°.
- The sum of the lengths of any 2 sides of a triangle must be greater than the third side.
- The largest interior angle and the longest side are opposite each other.

