

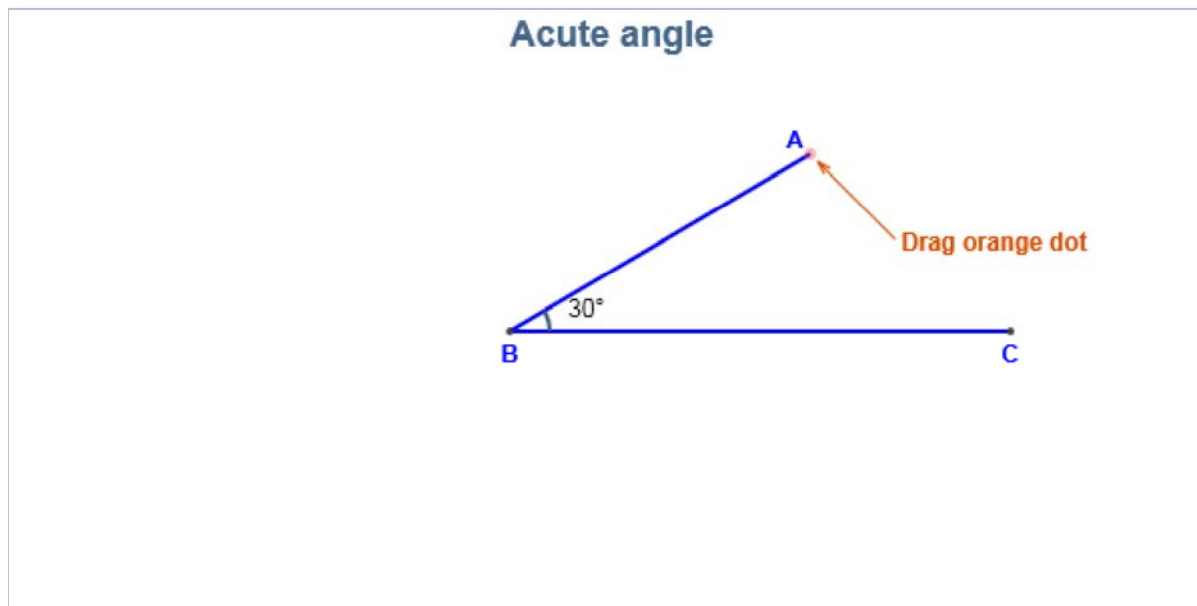
Math Open Reference

Acute angle

From Latin: acutus - "sharp, pointed"

*Definition: An **angle** whose measure is less than 90°*

Try this Adjust the **angle** below by dragging an orange dot and see how the angle $\angle ABC$ behaves. Note that it is acute for all angles from zero to (but not including) 90°



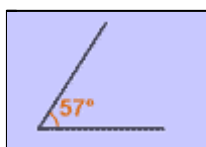
Acute angles are the smallest, being between (but not including) zero and 90° . Note also that **acute triangles** are those where all the interior angles are acute.

A way to remember

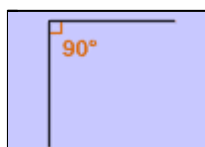
Sometimes we can confuse acute and obtuse angles. A way to remember is that small things tend to be cute. Acute angle is the smallest type.

Types of angle

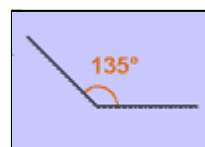
Altogether, there are six types of angle as listed below. Click on an image for a full description of that type and a corresponding interactive applet.



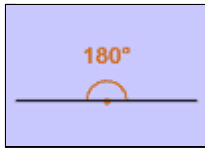
[Acute angle](#)
Less than 90°



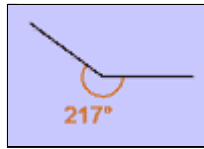
[Right angle](#)
Exactly 90°



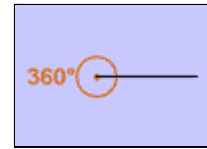
[Obtuse angle](#)
Between 90° and 180°



[Straight angle](#)
Exactly 180°



[Reflex angle](#)
Between 180° and 360°



[Full angle](#)
Exactly 360°

Other angle topics

General

- Angle definition
- Degrees
- Radians
- Angle bisector
- Subtended angle
- Interior of an angle
- Included angle

Angle Types

- Acute angle
- Right angle
- Obtuse angles
- Straight angle
- Reflex angle
- Full angle

Angle relationships

- Vertical angles
- Complementary angles
- Supplementary angles
- Linear pair
- Adjacent angles
- Corresponding angles
- Alternate interior angles
- Alternate exterior angles
- Interior angles of a transversal

Exterior angles of a transversal