Lines and Angles

The words for lines, pairs of lines and angles, each with a picture.

1. Points, lines, line segments and rays



Point

an exact place



Line

goes on forever in both directions



Line segment

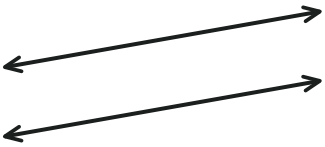
a piece of a line with two endpoints



Ray

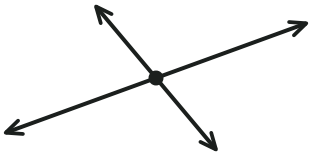
starts at one point and goes on forever one way

2. Pairs of lines



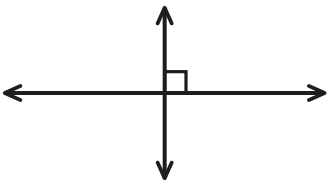
Parallel lines

never meet. They stay the same distance apart.



Intersecting lines

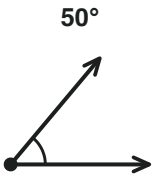
cross at one point.



Perpendicular lines

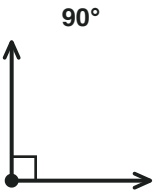
cross to make right angles (square corners).

3. Angles



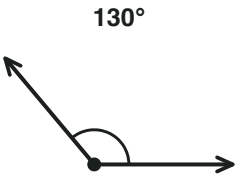
Acute angle

smaller than a right angle (less than 90°)



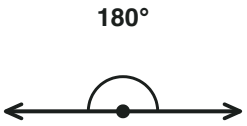
Right angle

a square corner (exactly 90°)



Obtuse angle

bigger than a right angle, smaller than a straight angle



Straight angle

a straight line (exactly 180°)

Naming an angle

The point where the two rays meet is the **vertex**.

An angle is named with three letters, and the vertex is always the **middle** letter. This is angle ABC, written ∠**ABC**. It can also be called ∠CBA, or just ∠B.

Angles are measured in **degrees**. A full turn is 360°, a straight line is 180° and a square corner is 90°.

