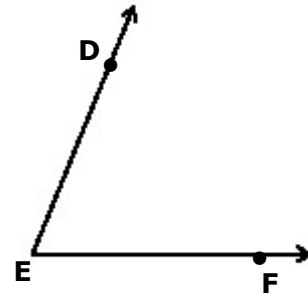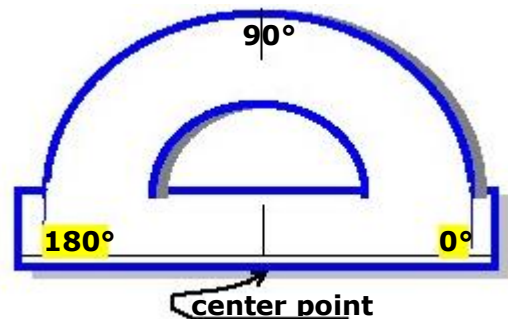# Measure and Classify Angles

You can use a protractor to measure the angle at the right. A protractor is a tool for measuring the size of the opening of an angle. The unit used to measure an angle is a degree.
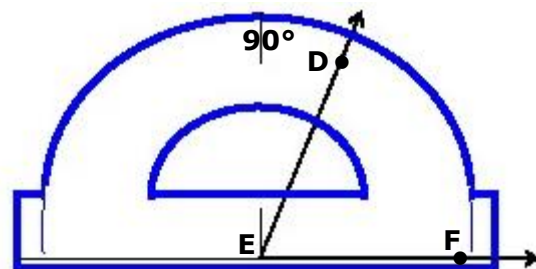
A protractor has a center point at the bottom where two lines form right angles. To the right of this is the 0° mark. To the left is the 180° mark.
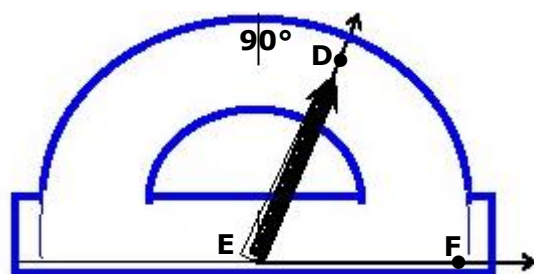
STEP 1

Place the protractor on the angle so that the center point lines up with the vertex and the horizontal line on the protractor line lines up with ray EF.

STEP 2

To measure the angle, place a pencil on top of the other ray of the angle.

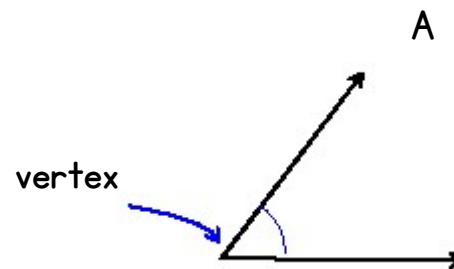Read the number of degrees the pencil is pointing to

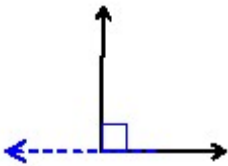So, the measure of ∠DEF is 60°.

Grade 4

An angle is formed by two rays with the same endpoint.

A

An angle can be named by
three letters – a point from
each side and the vertex as
the middle letter. It can also
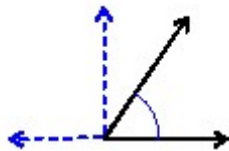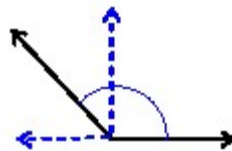be named by a single letter, its vertex.
∠ ABC, ∠ CBA, or ∠ B.

vertex

Angles can be different sizes.

A right angle
measures 90°.

An acute angle is
greater than 0° and
less than 90°.

An obtuse angle
is greater than 90°
and less than 180°.

A straight angle
measures 180°.