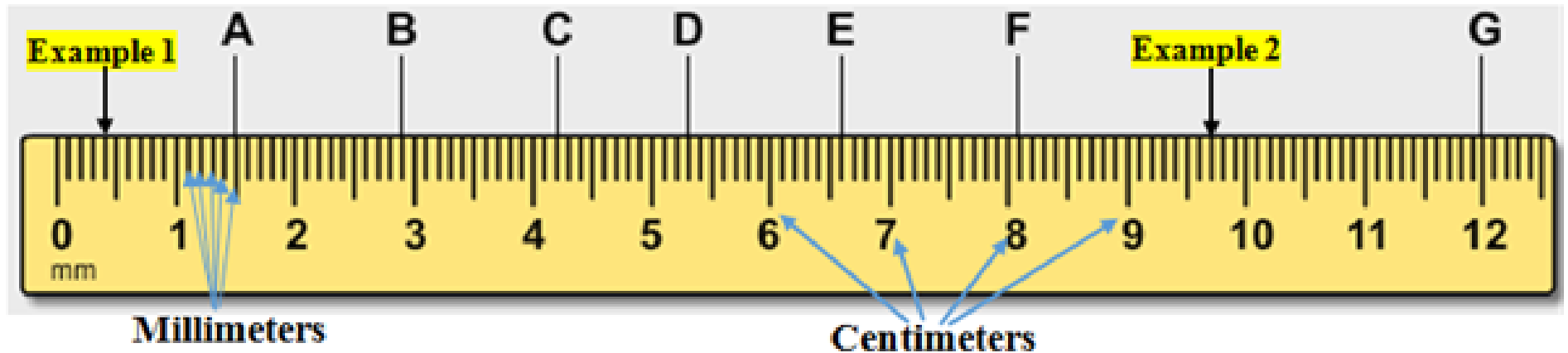


We are starting our new unit today! If you have a ruler or protractor start bringing it to class.

Classwork - New Unit (Geometric Figures)

Using a ruler and protractor

Using a Metric Ruler



Every millimeter is a tenth (0.1) of one centimeter. Notice that 1 centimeter is made up of 10 millimeters. We use this to describe lengths in centimeters. Using the ruler above, find the following measurements below. **LABEL!**

Example 1 = 0.4cm

Example 2 = 9.7cm

$$A = \underline{1.5 \text{ cm}}$$

$$B = \underline{2.9 \text{ cm}}$$

$$C = \underline{4.2 \text{ cm}}$$

$$D = \underline{5.9 \text{ cm}}$$

$$E = \underline{6.6 \text{ cm}}$$

$$F = \underline{8.1 \text{ cm}}$$

$$G = \underline{12 \text{ cm}}$$

Draw the lines below in the space provided.

A) 5.0cm

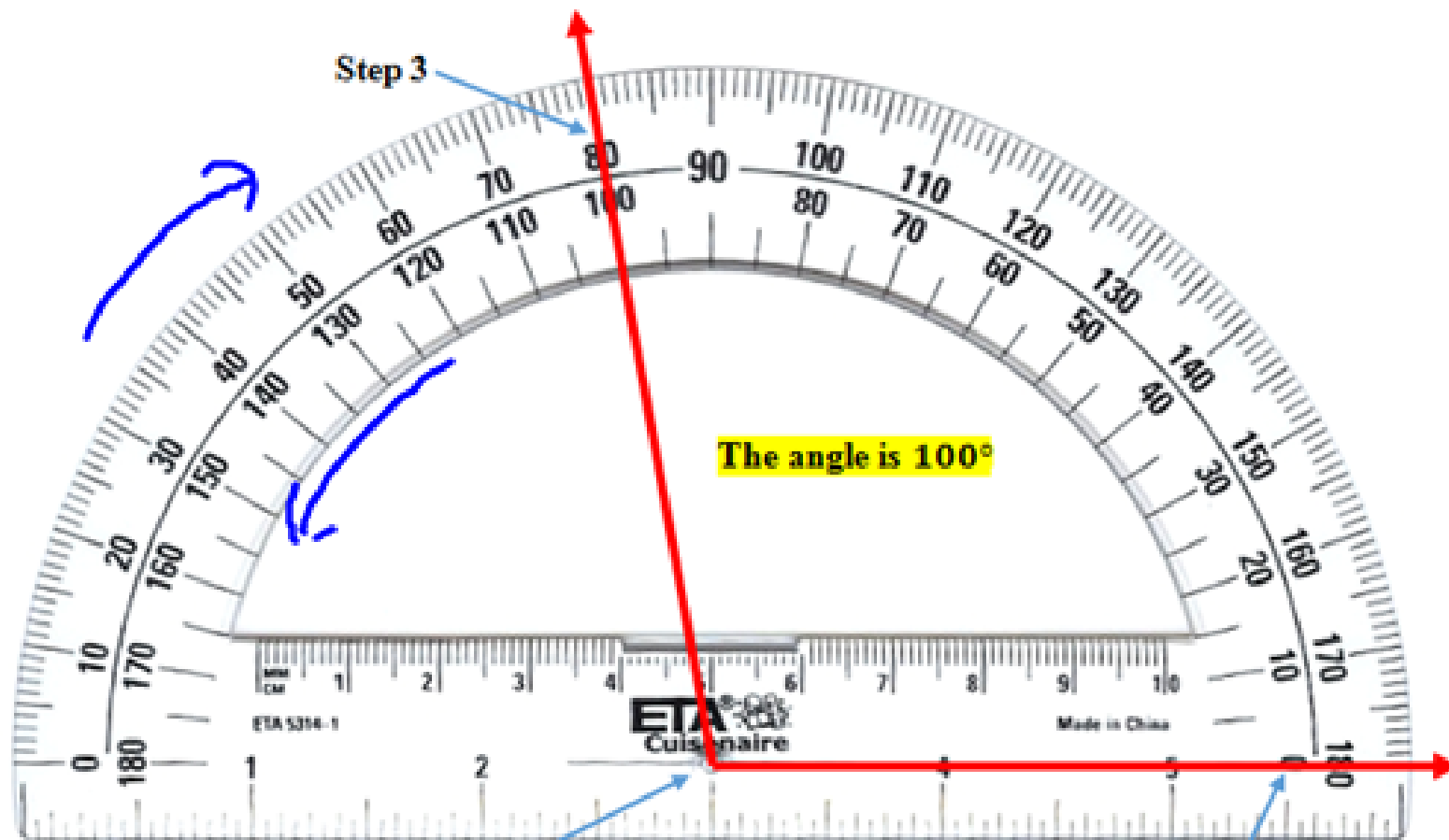
B) 4.1cm

C) 12.9cm

In the space provided draw a rectangle that has the side lengths of 3.5cm and 6.2cm. **Find the perimeter.**

In the space provided draw a square with the side lengths of 4.8cm. **Find the area.**

Using a Protractor

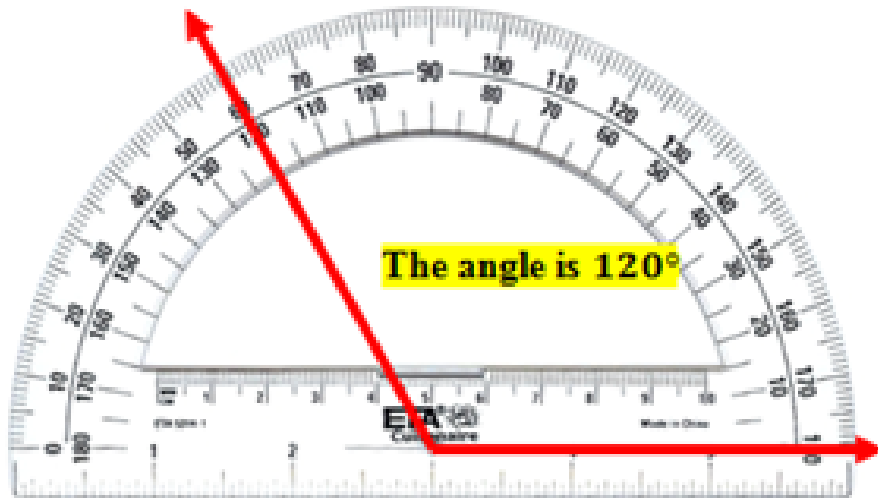


Step 1: Place the center point of the protractor on the vertex of the angle

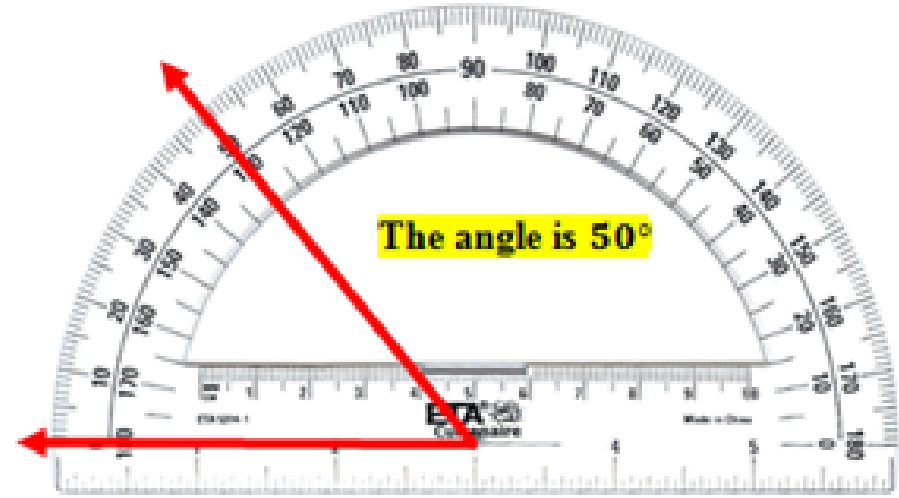
Step 2: Line up the 0 on the bottom line of the protractor with the bottom ray of the angle.

Step 3: To find the angle measure, look at the number second ray passes through. You must make sure you using the correct set of numbers. Also pay attention to the direction that the numbers are increasing.

To measure angles opening from the **RIGHT** use the **BOTTOM** set of numbers.



To measure angles opening from the **LEFT** use the **TOP** set of numbers.



Types of Angles

Draw a sketch of each of the following angles.

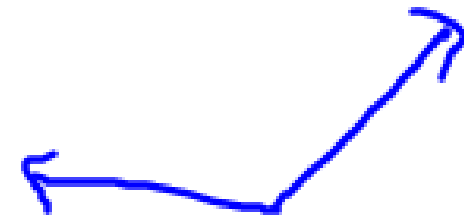
Acute Angle is $< 90^\circ$



Right Angle is $= 90^\circ$



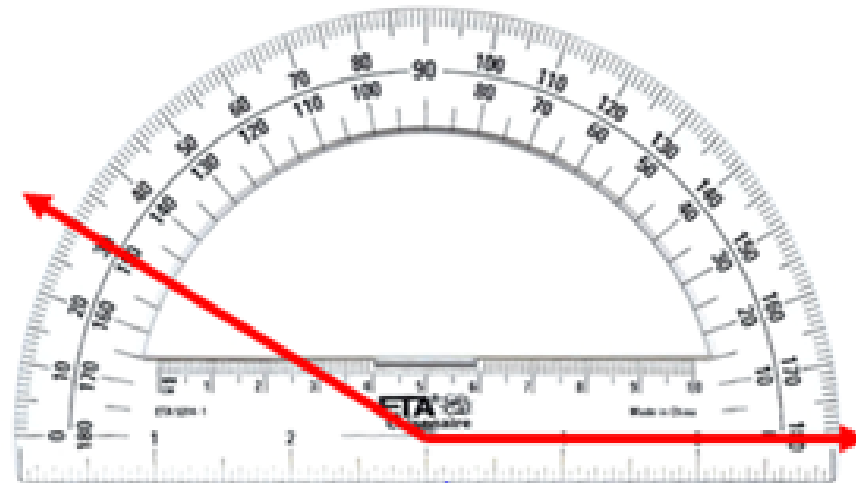
Obtuse Angle is $> 90^\circ$ and $< 180^\circ$



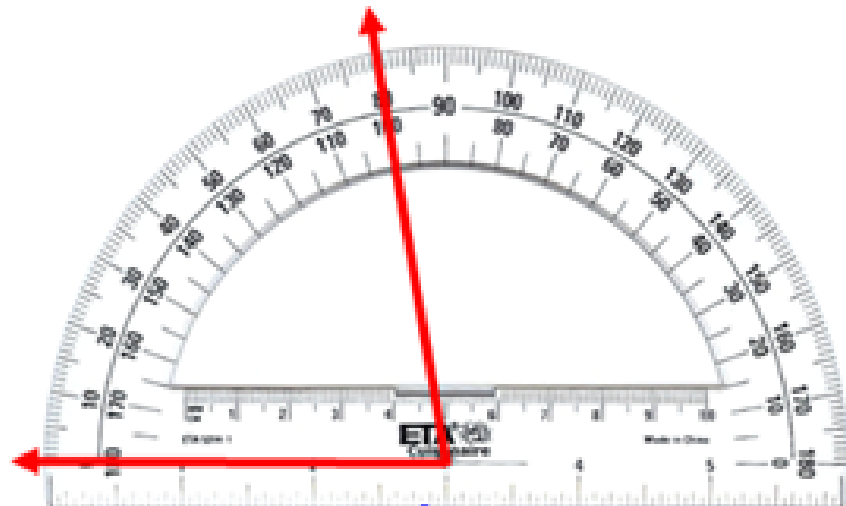
Use your knowledge of acute, right, and obtuse angles to find the correct measurement of an angle.



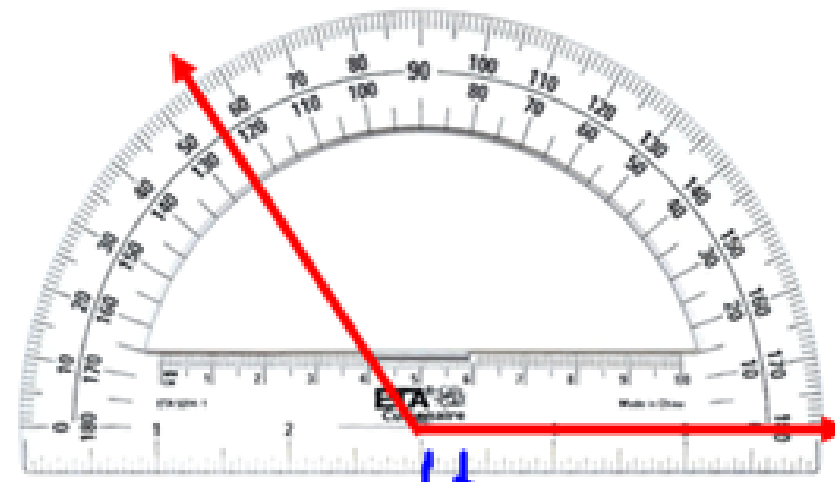
The angle above is a(n) acute angle.
So is the angle measurement 65° or 115° ? 65°



The angle above is a(n) obtuse angle.
So is the angle measurement 30° or 150° ? 150°



The angle above is a(n) acute angle.
So is the angle measurement is 100°



The angle above is a(n) obtuse angle.
So is the angle measurement is 125°