

Lesson 97 is very different than all the other lessons in this course.

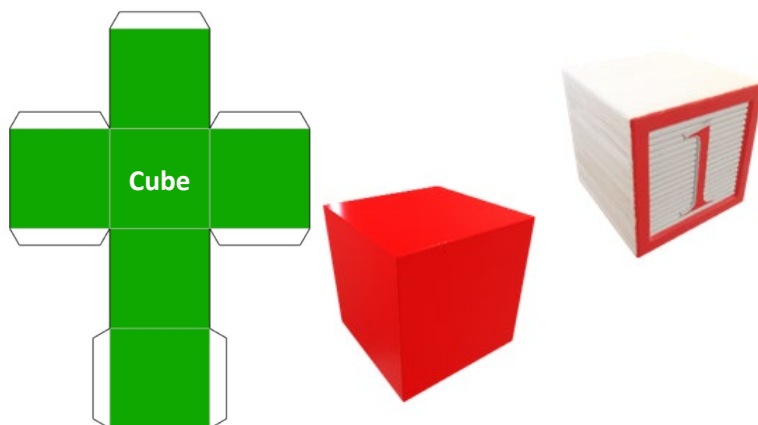
For Lesson 97 do the following:

- 1- print the pages for constructing 3D shapes
- 2- Cut out each Net
- 3- Use tape to construct each shape

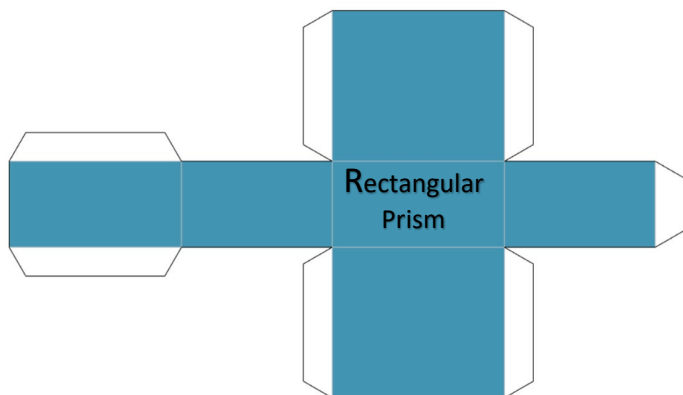
Due to the amount of time, it will take to cut and construct the 3D shapes less Practice questions are in this lesson.

I. Construct the NETS

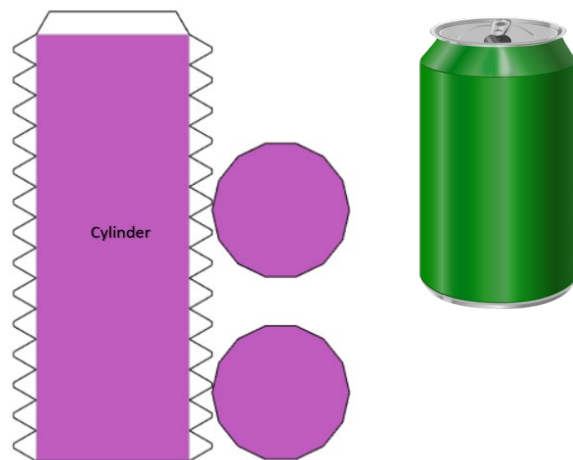
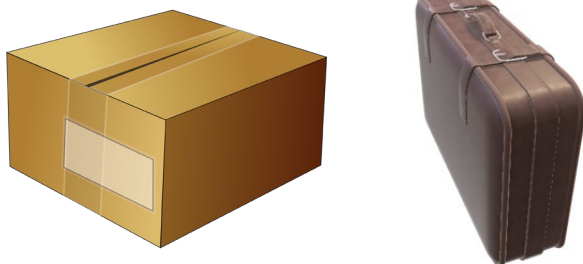
A **net** of a 3D shape is what the shape looks like when it is opened and placed flat on a plane(surface).



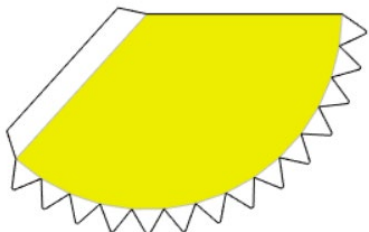
Cube: All 6 faces are squares



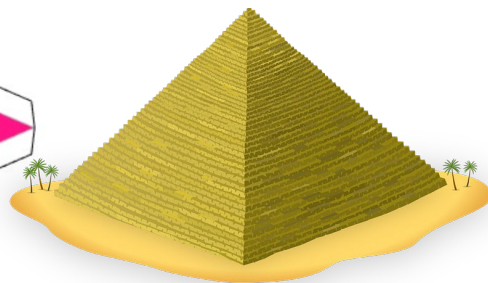
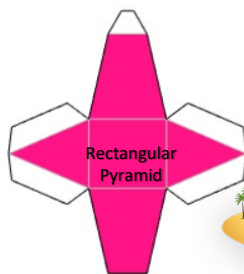
Rectangular Prism: All 6 faces are rectangles. (They are not required to be squares)



Cylinder: The top and bottom are circles (These are not really circular – they are intentionally made this way to help you build the cylinder)

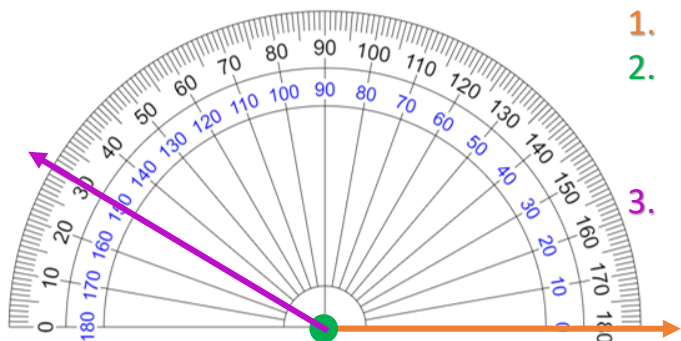


Cone: Made with one circle. The opposite end comes to a point.



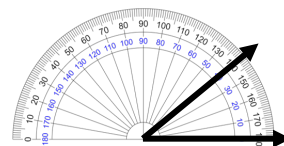
Rectangular Pyramid: The base is a rectangle, the sides come to a point at the top. (The base can be a square, a rectangle with 4 congruent sides.)

II. Drawing Angles given the measurement

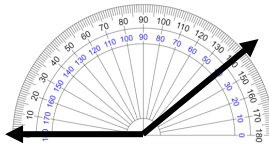


To Draw a 150 degree angle:

1. Draw the bottom ray
2. Place the point of the second ray at the same point as the first ray.
3. Draw the ray such that it crosses through the measurement of the angle.

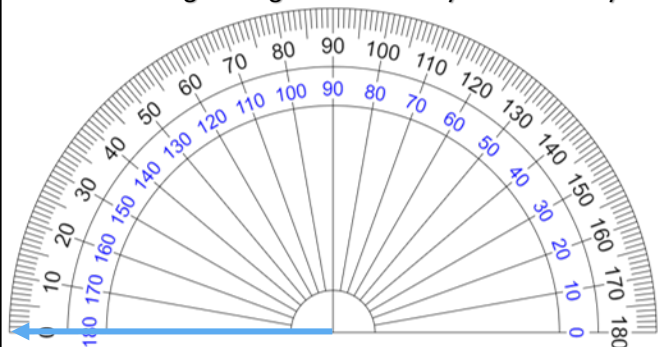


The measurement of this angle is 40 degrees.

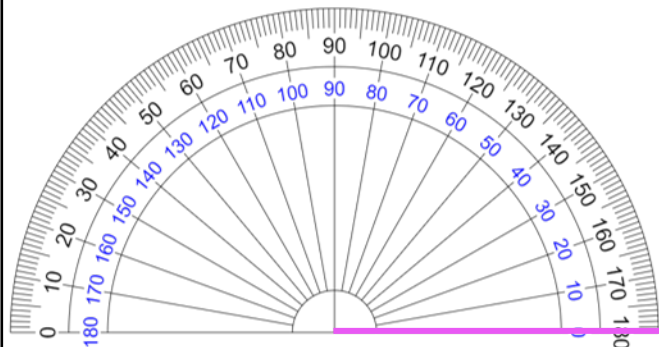


The measurement of this angle is 140 degrees.

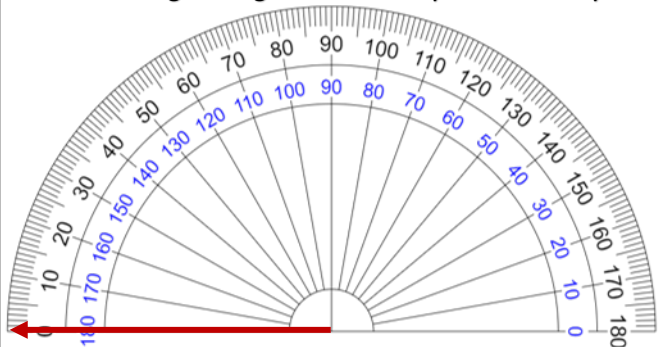
Draw a 110 degree angle. The first ray is drawn for you.



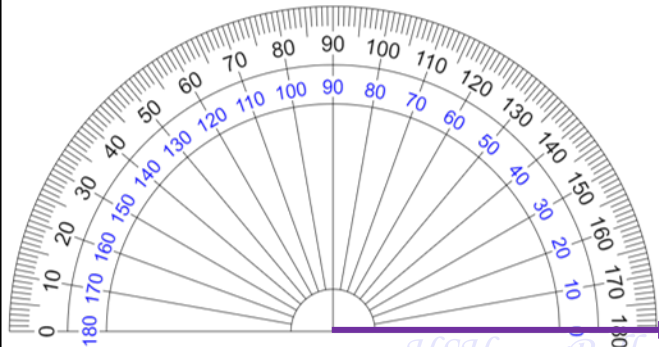
Draw a 110 degree angle. The first ray is drawn for you.



Draw a 55 degree angle. The first ray is drawn for you.



Draw a 75 degree angle. The first ray is drawn for you.



II. Practice (Write a number in each box. Use the coordinate planes for the appropriate questions.)

