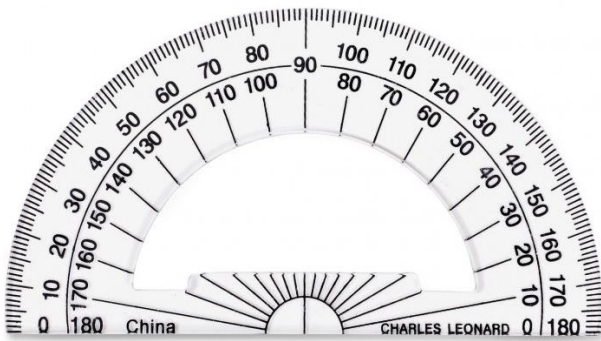
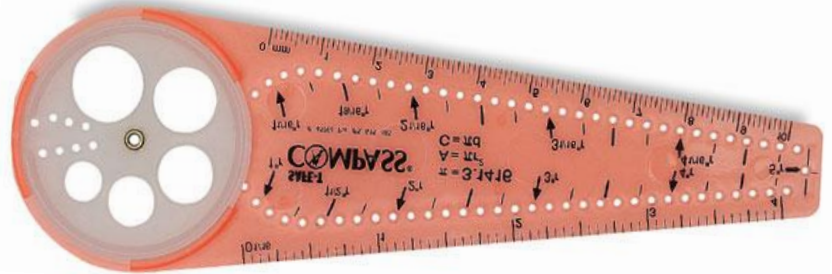


# How to make a Radial Grid

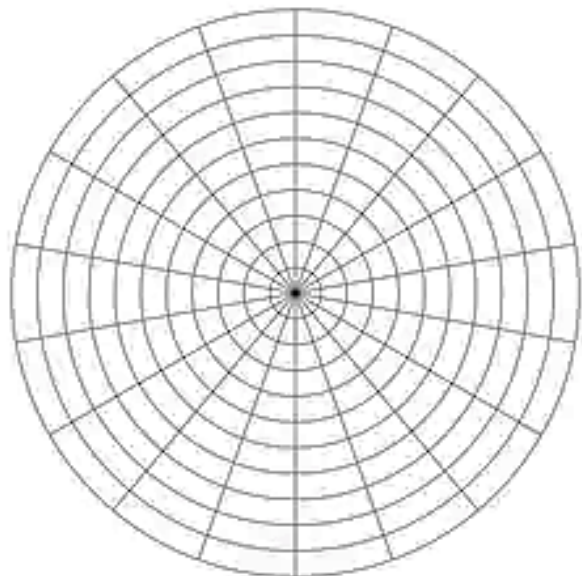
**Begin** by placing a dot on your paper to mark the center of the grid. Then, place the safety compass over the dot so that you can see the dot through the brass grommet. Next, hold the white circle down to your paper with one finger. Place your pencil in a hole in the orange section of the compass. Rotate the orange section by rotating your pencil in a circular motion 360 degrees. Repeat the last step 5 or more times each time in a different place on the orange section



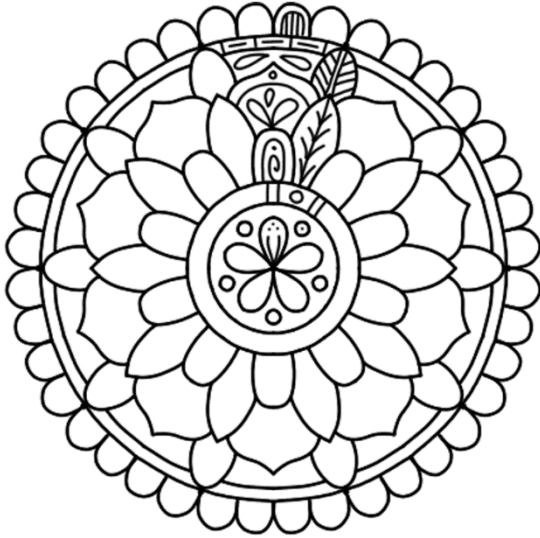
**Next**, use the protractor to mark 20-degree increments.

Center the cross hairs or hole of your protractor over the original dot you make on your paper. Make a mark on your paper at 0, 20, 40, 60, 80, 100, 120, 140, 160 and 180. If you are using a round protractor, continue marking every 20 degrees all the way around the protractor until you return to 0. If you are working with a half circle protractor, rotate your protractor to make the marks for the second half so that it is lined up with the dot, 0 and 180 marks you made. Again mark 20-160 degrees on the second half.

For the **final phase** of your radial grid, use a ruler and line up one of the degree marks and the center dot. Draw a line connecting the two lines that extends to the largest circle. Repeat this step until all the degree marks have a radial line



# MANDALA



The word *mandala* is a Sanskrit term that means “circle” or “discoid object”. A mandala can be defined in two ways: externally as a schematic visual representation of the universe and internally as a guide for several psychophysical practices that take place in many Asian traditions, including meditation.

Cristian Violatti published on 07 September 2013  
<https://www.ancient.eu/mandala/>

Draw a shape line or collection of shapes and lines in one sector of your radial grid. Repeat the same drawing in each cell on the circumference either exactly or alternately reflecting the drawing. In one cell on the next circumference, either continue

the lines and shapes or draw new lines and shapes. Repeat or reflect this drawing in each sector around the circumference of the grid. Repeat this step until your mandala is completed.

Color the mandala using a pattern or system. A mandala is not random. It is predictable.

## MANDALA RUBRIC Self Evaluation

	10	5	2	0
Combining Ideas	Ideas are combined in Original and surprising ways to solve a problem, address an issue, or make something new.	Ideas are combined in original ways to solve a problem, address an issue, or make something new.	Ideas are combined in ways that are derived from the thinking of others (for example, of the authors in sources consulted).	Ideas are copied or restated from the sources consulted
Craftsmanship	Drawing was neat, coloring was evenly applied and followed an identifiable system. No pencil lines are visible. Paper was not creased or wrinkled. Erasures were made completely.	Drawing was mostly neat; coloring was mostly evenly applied following a system. No pencil lines are visible. Paper was not creased or wrinkled. Erasures were made completely.	Drawing was somewhat neat; coloring was not evenly applied. Color choices seemed random. Pencil lines are visible. Paper was creased or wrinkled. Erasures were not made completely.	Drawing was not neat; color was not added. Paper was creased or wrinkled. Erasures were not made completely.
<b>Points are Doubled for the Time component</b>				
Time	Used all of the allotted time working quietly at my assigned seat. Work on this project was consistently focused.	Used most of the allotted time working on this project quietly at my assigned seat. Most of the work on this project was focused.	Used only some of the allotted time working on this project. Was away from my assigned seat and required redirection on one or more days	Used very little of the allotted time working quietly on this project at my assigned seat. Required redirection on most days.

Name \_\_\_\_\_ Seat number \_\_\_\_\_