

Lesson 0.1: Geometry Tools

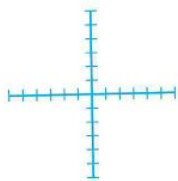
Targets:

1. I know what the Geometry tools are.
2. I know how to use the Geometry tools.
3. I can define a circle, radius, and diameter.

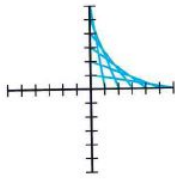
Create an Astrid:

Use the steps below to help you create your own Astrid. Make sure to use a straightedge.

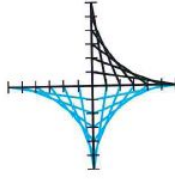
The Astrid



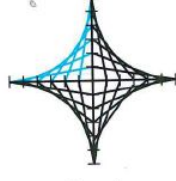
Step 1



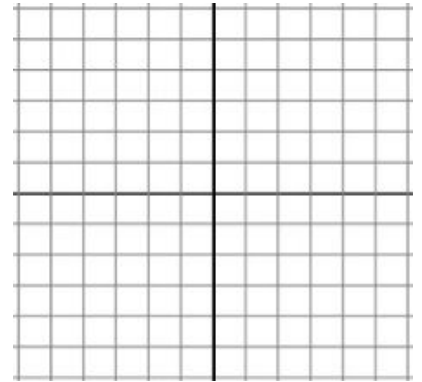
Step 2



Step 3

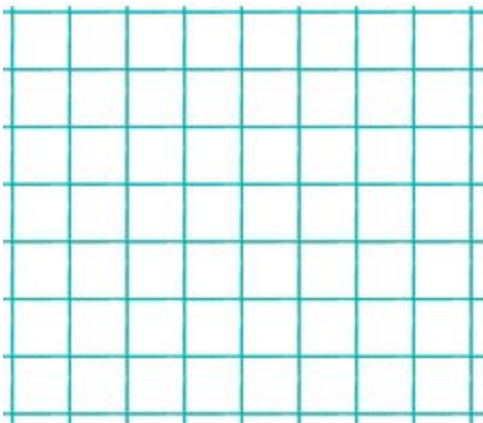


Step 4



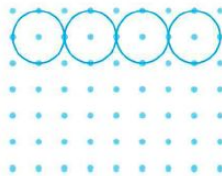
Circle Designs:

Use a compass and follow the steps to the right to practice making good circles.

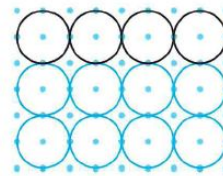


You can make circle designs with a compass as your primary tool. For example, here is a design you can make on a square dot grid.

Begin with a 7-by-9 square dot grid. Construct three rows of four circles.

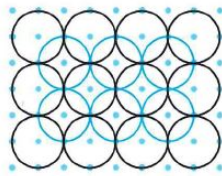


Step 1

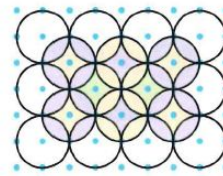


Step 2

Construct two rows of three circles using the points between the first set of circles as centers. The result is a set of six circles overlapping the original 12 circles. Decorate your design.



Step 3



Step 4

Definitions

Write a definition for the following words.

1. Circle:
2. Radius:
3. Diameter: