

Geometrical Constructions

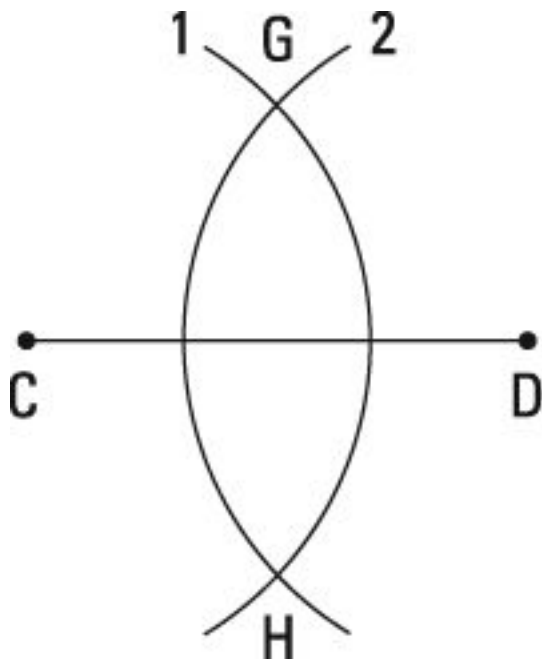
Topical Enduring Understanding

- Geometry is a branch of mathematics that studies the size, shape and position of 2 dimensional shapes and 3 dimensional figures where these shapes and figures are formed by a collection of points.
- Everything is built from points, lines and planes and follows rules.
- In geometry, one explores spatial sense and geometric reasoning and develop problem solving skills.
- Geometry can be found in art, architecture, engineering, robotics, land surveys, astronomy, sculptures, space, nature, sports, machines, cars, etc. It is used daily by architects, engineers, architects, physicists and land surveyors.

Topical Essential Questions

- What are the basic parts of any construction or description in geometry?
- How do you find distance and midpoint of a segment?
- What are angle bisectors, perpendicular lines and how are they useful?

Perpendicular Bisector:



Given and
Steps 1 and 2

Angle Bisector

