



This is a resource from CPALMS ([www.cpalms.org](http://www.cpalms.org)) where all educators go for bright ideas!  
Resource ID#: 181723

Primary Type: Student Tutorial

## Meet Me Half Way

Plan a paddle board expedition by learning how to do basic geometric constructions including copying a segment, constructing a segment bisector, constructing a segment's perpendicular bisector and constructing perpendicular segments using a variety of tools in this interactive tutorial.

### Attachments

[Accessible Version](#): Accessible Version in pdf format

### General Information

**Subject(s)**: Mathematics  
**Grade Level(s)**: 9, 10, 11, 12  
**Intended Audience**: [Students](#)

**Keywords**: copy a segment, construct, constructions, construct bisector, midpoint, construct perpendicular bisector, construct perpendicular lines, compass, GeoGebra, bisector, perpendicular bisector, perpendicular lines, geometry, interactive, tutorials, elearning, e-learning

**Instructional Component Type(s)**: [Original Student Tutorial](#)

**Resource Collection**: Original Student Tutorials Mathematics - Grades 9-12

### Source and Access Information

**Contributed by**: Brigitte Gudz  
**Name of Author/Source**: Brigitte Gudz, Carrie Myers  
**District/Organization of Contributor(s)**: Florida State University  
**Access Privileges**: Public  
**License**: [CPALMS License - no distribution - non commercial](#)

### Aligned Standards

Name	Description
<a href="#">MAFS.912.G-CO.4.12:</a>	Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.). Copying a segment; copying an angle; bisecting a segment; bisecting an angle; constructing perpendicular lines, including the perpendicular bisector of a line segment; and constructing a line parallel to a given line through a point not on the line.
	<b>Clarifications:</b>

## Geometry - Fluency Recommendations

Fluency with the use of construction tools, physical and computational, helps students draft a model of a geometric phenomenon and can lead to conjectures and proofs.

### Suggested Tutorials

Name	Description
<a href="#">Angle UP: Player 1:</a>	Explore the construction processes for constructing an angle bisector, copying an angle and constructing a line parallel to a given line through a point not on the line using a variety of tools in this interactive, retro video game-themed tutorial.
<a href="#">The Blueprints of Construction:</a>	Learn to construct the perpendicular bisector of a line segment using a straightedge and compass with this interactive tutorial.