

Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	Standard: G.CO.13 - Construct an equilateral triangle, a square, and a regular hexagon inscribed in a circle.
<p><u>Congruence</u> Make geometric constructions</p>	<p><u>Questions to Focus Learning</u></p> <p>How can properties of geometric figures be explored without measurement?</p> <p>Geometric constructions are used to create precise geometric figures, without the need for measurement, as a basis to explore geometric properties.</p> <p><u>Student Friendly Objectives</u></p> <p><i>Product Targets</i></p> <p>I can construct a square given a side. I can construct an equilateral triangle given a side. I can construct an inscribed hexagon given the radius or edge length. I can construct a square and then circumscribe a circle about the square. I can construct an inscribed equilateral triangle given the radius of a circle. I can construct an inscribed square given the radius of a circle.</p> <p><u>Vocabulary</u></p> <p>circumscribed construction inscribed radius of a polygon</p> <p><u>Teacher Tips</u></p> <p>Build on prior student experience with simple constructions. Emphasize the ability to formalize and explain how these constructions result in the desired objects. Some of these constructions are closely related to other standards and can be introduced in conjunction with them.</p> <p><u>Vertical Progression</u></p>

The above information and more can be accessed for free on the [Wiki-Teacher](#) website.

Direct link for this standard: [G.CO.13](#)