

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.GPE.6 - Find the point on a directed line segment between two given points that partitions the segment in a given ratio.
<p><u>Expressing Geometric Properties with Equations</u> Use coordinates to prove simple geometric theorems algebraically</p>	<p><u>Questions to Focus Learning</u> How can a segment be partitioned in a given ratio? Line segments may be divided in any ratio.</p> <p><u>Student Friendly Objectives</u> <i>Knowledge Targets</i></p> <p>I can plot and identify coordinates on a coordinate plane. I can write proportions using parts of a line segment.</p> <p><i>Reasoning Targets</i></p> <p>I can partition a directed line segment in a given ratio. I can derive a general formula for the location of the point that partitions a directed line segment in a given ratio.</p> <p><u>Vocabulary</u></p> <p>coordinate coordinate plane directed line segment partition</p> <p><u>Teacher Tips</u></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.GPE.6](#)