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| **LG #** | **811** | **Standards:** | **8.G.1.5** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.****The student will be able to:*** Create and/or design real-world situations that involve angle relationships in order to solve problems.
	+ City maps, architecture, astronomy, roller coaster design, etc.

**No major errors or omissions regarding the score 4.0 content.** |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. |
| **3.0** | **Students will be able to use informal arguments to establish facts about angle relationships with parallel lines, triangles, and polygons.****The student will be able to:*** [Prove/explain why the interior three angles of a triangle equal $180°$(i.e. *Arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so*). (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70728)
* Prove/explain how to find the sum of the interior angles of any polygon. (8.G.1.5)
* [Prove/explain the exterior angle theorem of a triangle. (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70182)
* Prove/explain why alternate exterior angles are congruent. (8.G.1.5)
* [Prove/explain why alternate interior angles are congruent. (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70163)
* [Prove/explain why corresponding angles are congruent. (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70163)
* [Prove/explain why same side interior angles are supplementary. (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70141)
* [Prove/explain angle-angle criterion for similarity of triangles. (8.G.1.5)](http://www.cpalms.org/Public/PreviewResource/Preview/70358)

**No major errors or omissions regarding the score 3.0 content (simple or complex).** |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. |
| **2.0** | **The student recognizes and describes specific terminology such as:**

|  |  |  |
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| * Parallel lines
 | * Angle sum theorem
 | * Vertical angles
 |
| * Transversal
 | * Alternate interior angles
 | * Supplementary angles
 |
| * Interior angles
 | * Alternate exterior angles
 | * Complementary angles
 |
| * Exterior angles
 | * Corresponding angles
* Same side interior angles
 | * Intersecting
* Perpendicular
 |

**The student will be able to:*** Determine the measures of angles in triangles and quadrilaterals when some of the angle measures are given. (8.G.1.5)
* Define and identify supplementary, complementary, and vertical angles. (8.G.1.5)
* Define and identify alternate interior, alternate exterior, corresponding, and same side interior angles when parallel lines are cut by a transversal. (8.G.1.5)
 |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. |
| **1.0** | With partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.5** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.0** | Even with help, no understanding or skill is demonstrated |