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| **LG #** | **810** | **Standards:** | **8.G.1.3, 8.G.1.4** |
| **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:*** Generate real-world problems involving transformations (i.e. map scales, floor plans, 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 understand similarity using physical models, transparencies, or geometry software.****The student will be able to:*** [Describe the effect of dilating a two-dimensional figure using coordinates. (8.G.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/64604)
* [Describe the effect of rotating a two-dimensional figure using coordinates. (8.G.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/64655)
* [Describe the effect of reflecting a two-dimensional figure using coordinates. (8.G.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/64656)
* [Describe the effect of translating a two-dimensional figure using coordinates. (8.G.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/64654)
* [Explain the preservation of similarity when a figure is dilated, rotated, reflected, and/or translated (in a sequence).](http://www.cpalms.org/Public/PreviewResource/Preview/69403) (8.G.1.4)
* [Given two similar two-dimensional figures, describe a sequence of transformations that exhibits the similarity between them.](http://www.cpalms.org/Public/PreviewResource/Preview/69425) ([8.G.1.4](http://www.cpalms.org/Public/PreviewResource/Preview/69919))
* Demonstrate similarity of two-dimensional figures using Geogebra (geometry sketchpad, graphing calculator). (8.G.1.3/8.G.1.4)

**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:**

|  |  |  |
| --- | --- | --- |
| * Congruent
 | * Transformation
 | * Clockwise
 |
| * Rotation
 | * Corresponding parts
 | * Counter-clockwise
 |
| * Reflection
 | * Prime notation
 | * Sequence
 |
| * Translation
 | * Image
 | * Pre-image
 |

**The student will be able to:*** Dilate a two-dimensional figure using coordinates. (8.G.1.3)
* Rotate a two-dimensional figure using coordinates. (8.G.1.3)
* Reflect a two-dimensional figure using coordinates. (8.G.1.3)
* Translate a two-dimensional figure using coordinates. (8.G.1.3)
 |
| **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 |