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Resource ID#: 42292

Primary Type: Problem-Solving Task

## Congruent Segments

Students' first experience with transformations is likely to be with specific shapes like triangles, quadrilaterals, circles, and figures with symmetry. Exhibiting a sequence of transformations that shows that two generic line segments of the same length are congruent is a good way for students to begin thinking about transformations in greater generality.

**Congruent Segments (Microsoft Word):** This file includes the task and related information in Microsoft Word format.

**Congruent Segments (PDF):** This file includes the task and related information in PDF format.

### General Information

**Subject(s):** Mathematics

**Grade Level(s):** 8

**Intended Audience:** [Educators](#), [Students](#), [Parents](#)

**Instructional Time:** 10 Minute(s)

**Freely Available:** Yes

**Keywords:** Congruent segments, segments, congruent, cpalms, icpalms, illustrativemathematics.org, illustrative mathematics, tasks, mathematics, math, Florida standards, resource, free, freely available, problems-based learning, student activities, reflection

**Instructional Component Type(s):** [Problem-Solving Task](#)

**Resource Collection:** Illustrative Mathematics

### Source and Access Information

**Contributed by:** Brian Carmichael

**Name of Author/Source:** Brian Carmichael

**District/Organization of Contributor(s):**

**Is this Resource freely Available?** Yes

**Access Privileges:** Public

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### Aligned Standards

Name	Description
<a href="#">MAFS.8.G.1.2:</a>	Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.