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Resource ID#: 42286

Primary Type: Problem-Solving Task

## Find the Angle

Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.

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

**Find the Angle (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](#)

**Freely Available:** Yes

**Keywords:** Find the Angle, Angle, Find, cpalms, icpalms, illustrativemathematics.org, illustrative mathematics, tasks, mathematics, math, Florida standards, resource, free, freely available, problems-based learning, student activities

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

**Resource Collection:** Illustrative Mathematics

### Source and Access Information

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**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.1.5:</a> | Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. For example, 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. |