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Resource ID#: 187908

Primary Type: Student Tutorial

## Hailey's Treehouse: Similar Triangles & Slope

Learn how similar right triangles can show how the slope is the same between any two distinct points on a non-vertical line as you help Hailey build stairs to her tree house in this interactive tutorial.

### Attachments

[Accessible Version](#): Accessible version of tutorial content in PDF format.

### General Information

**Subject(s)**: Mathematics

**Grade Level(s)**: 8

**Intended Audience**: [Students](#)

**Keywords**: similar triangles, slope, constant of proportionality, stairs, AA Similarity Theorem, SAS Similarity Theorem, similar, similarity, right angles, right triangles, hypotenuse, leg, legs, proportional, treehouse, stairs, steps, triangles, theorems, mathematics, interactive, tutorials, elearning, e-learning, building

**Instructional Component Type(s)**: [Original Student Tutorial](#)

**Resource Collection**: Original Student Tutorials Mathematics - Grades 6-8

### Source and Access Information

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**Access Privileges**: Public

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### Aligned Standards

Name	Description
<a href="#">MAFS.8.EE.2.6:</a>	Use similar triangles to explain why the slope $m$ is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at $b$ .