

UNIT 2 - LESSON PLANS

Class Algebra 1

Topic U2–Proportions and Similar Figures

Lesson 8 **Of** 10

Students will:

Objective

- Be able to understand the concepts of proportions.
- Be able to relate proportions to the sides of similar figures.
- Be able to understand the concept of scale drawing.

“I Can” Statement

I can find the missing length or angle of any pair of similar figures.

Common Core Standards

[CCSS.MATH.CONTENT.8.G.A.4](#)

Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.

[CCSS.MATH.CONTENT.HSG.SRT.C.6](#)

Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

Bell Work

See 2-8 Bell Work

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

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Assessment

Bell Work 2-8

Assignment 2-8

Exit Quiz 2-8

Additional Resources

See Online Activities