

# UNIT 6 - LESSON PLANS

**Class** Math 6      **Topic** The Area of Polygons Through Composition and Decomposition      **Lesson** 4 **Of** 8

## Objective

Students will:

- Find the lengths of the unknown sides of an irregularly-shaped polygon.
- Find the area of the region bounded by an irregular polygon by decomposing the polygon into triangles, rectangles or other polygons.
- Find the area of other quadrilaterals by decomposing triangles or rectangles.
- Understand that the area of a polygon is actually the region bounded by the polygon.

## "I Can" Statement

I can find the lengths of the unknown sides of an irregularly-shaped polygon.  
I can find the area of the region bounded by a polygon by decomposing the polygon into triangles, rectangles or other polygons.  
I can find the area of a trapezoid by decomposing the region into two triangles.  
I can decompose rectangles to find the area of other quadrilaterals.

## Common Core Standards

[CCSS.MATH.CONTENT.6.G.A.1](#)

Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

## Bell Work

See Bell Work 6-4

## 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.

## Assessment

Bell Work 6-4  
Assignment 6-4  
Exit Quiz 6-4

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**Additional Resources**    See Online Activities