

UNIT 1 - LESSON PLANS

Class Geometry **Topic** U1 – Perimeter, Circumference, and Area **Lesson** 8 **Of** 8

Objective

Students will:

- Students will be able to find the perimeter or circumference of basic shapes.
- Students will be able to find the area of basic shapes.

“I Can” Statement

I can find the circumference of a circle and perimeter of basic shapes.

I can solve problems and give examples related to the area formulas.

Common Core Standards

[CCSS.MATH.CONTENT.HSG.GPE.B.4](#)

Use coordinates to prove simple geometric theorems algebraically. *For example, prove or disprove that a figure defined by four given points in the coordinate plane is a rectangle; prove or disprove that the point $(1, \sqrt{3})$ lies on the circle centered at the origin and containing the point $(0, 2)$.*

[CCSS.MATH.CONTENT.HSG.GPE.B.7](#)

Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, e.g., using the distance formula.*

Bell Work

A round Pizza has a radius of 5 inches. What would the smallest dimension have to be to fit the pizza in a square box? Why would we put a round pizza in a square box? What is the area of the top of the box?

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. Distribute Lesson Assignment.

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5. This is a multiple day lesson. Continue on with the different activities.

Assessment

Assignment 1-8

Exit Quiz 1-8

Additional Resources

Khan Academy Quiz