

UNIT 1 - LESSON PLANS

Class Geometry **Topic** U1 – Measuring Segments

Lesson 3 **Of** 8

Objective

Students will:

- Find the measure of segments using the ruler postulate, the definition of congruent segments, midpoints and the segment addition postulate.
- Find the length and midpoint of a segment
- Name and classify angles.
- Identify the vertex and sides of an angle
- Evaluate the measure of an angle and angle bisectors
- Solve problems involving segments and/or angles
- Find the lengths of segments and measures of angles in order to solve real-world problems.

“I Can” Statement

I can measure segments with a ruler and find midpoints of line segments.

Common Core Standards

[CCSS.MATH.CONTENT.HSG.GPE.B.6](#)

Find the point on a directed line segment between two given points that partitions the segment in a given ratio.

[CCSS.MATH.CONTENT.HSG.CO.A.1](#)

Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.

[CCSS.MATH.CONTENT.8.G.A.1.A](#)

Lines are taken to lines, and line segments to line segments of the same length.

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Bell Work

Have a Ruler on each student's desk as they walk in. Place another object on their desk that has an exact measurement in inches. On the board write measure the width of the object on your desk in inches. Locate the midpoint of that object. Give a real world example of when it would be useful to find a midpoint.

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.
5. Give Exit Quiz

Assessment

Assignment 1-3 & Exit Quiz

Additional Resources

Khan Academy Quiz