CP Geometry

Week of Nov 28, 2023

General Class Period 3

Weeks Overview

Last Week

Monday: Review for test

Tuesday: TEST on Chapter 3 with lines and angles with transversal

Wednesday: Puzzle Pumpkin with lines and triangles.

BREAK for Thanksgiving and Teacher Inservice on Tuesday

This Week

Wednesday: Introduce using notes from **student journal** pgs. 125-127, 140-142

- Chapter 5 Section 1 on Triangle classification and sum 180 degrees
- Chapter 5 Section 4 on ISOSCELES triangle relationships and EQUIlateral/angular triangles
- Watch short video song https://www.youtube.com/watch?v=JQUTVgT9RXY

Thursday: Worksheet work: Practice B & Puzzletime for sections 5.1 & 5.4 &

Kuta Finding missing angles in triangles worksheet

Friday: - see next slide

Friday
Chapter 6.5 --- Angle to Opposite side of triangle relationship

- Warmup w/ START thinking, WARMUP, & REVIEW pg. 214 Resource section 6.5
- Notes on the relationship of angle and opposite sides of triangle from smallest to largest. Sketch or draw to scale a few examples to demonstrate concept.
- Watch video to demonstrate Triangle Inequality:
  https://www.youtube.com/watch?v=oNR7wtdJhYk
- Student journal pg. 187-188 for notes and examples
- Complete Practice A Section 6.5 #1-6

2 sections from chapter 5 on TRIANGLEs

5.1

	CC State Standards
Lesson Objective(s): Students will classify triangles by sides and angles. Students will find interior and exterior angle measures of triangles. **Previous Learning:** Students should be familiar with both theorems presented in this lesson. There are many explorations students may have done in middle school to discover that the sum of interior angles of a triangle is 180° and that the measure of an exterior angle of a triangle is equal to the sum of the two nonadjacent interior angles. **New Vocabulary:** interior angles, exterior angles, corollary to a theorem	HSG-CO.C.10 HSG-MG.A.1

5.4

	CC State Standards
Lesson Objective(s): Students will use the Base Angles Theorem. Students will use isosceles and equilateral triangles. **Previous Learning:** Students previously learned about isosceles and equilateral triangles. **New Vocabulary:** legs, vertex angle, base, base angles **Materials for Teacher:** none **Materials for Students:** graph paper, dynamic geometry software	HSG-CO.C.10 HSG-CO.D.13 HSG-MG.A.1

Section: Chapter 6.5

6.5

Geometry Lesson 6.5 – Day 1: Indirect Proof and Inequalities in One Triangle
Essential Question: How are the sides related to the angles of a triangle?

Lesson Objective(s):	**CC State Standards**
Students will list sides and angles of a triangle in order by size. Students will use the Triangle Inequality Theorem to find possible side lengths of triangles.	HSG-CO.C.10