

Geometry

Week of Nov. 14-18, 2023

General Class Periods 4&5

Week Overview

Monday: Teacher inservice with parent teacher conferences so no student school

Tuesday: Concept development Activity on “Triangle(s) or NOT”

Wednesday: Practice work

Thursday: Review

Friday: Test on sections 5.1, 5.4, & 6.5 covering triangles classifications, work with isosceles and equilateral triangles angle side relationships, and ordering sides or angles

Monday: Student Created Poster classifying triangles from clues.

2 sections from chapter 5 on TRIANGLES

5.1

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

CC State Standards

HSG-CO.C.10
HSG-MG.A.1

5.4

Lesson Objective(s): Students will use the Base Angles Theorem.
Students will use isosceles and equilateral triangles.

6.5

Lesson Objective(s): 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.

CC State Standards

HSG-CO.C.10

Tuesday

Warmup - Start work on Classifying Triangles Project from

<https://www.map.mathshell.org/lessons.php?unit=7330&collection=8>

Do the introduction sheet. Have students draw to a scale each item to show proof it works as one, many, or does not work to make a triangle(s).

Students also make 3 notecards write down sample problems for the test they want on it. They must meet the objectives.

Give one of these to Mrs. Pletcher by end of today. Rest due Thursday.

Wednesday - substitute in so BEST behavior - work together

Online work BUT may want to copy some problems down to use on the test.

SECTION 5.1 EXERCISES	5.1 Practice Geometry: CC 2015 Problem Set: Custom (22/57) Start: 11/15/2023 6:02AM	Angles of Triangles Students: All Due: 11/17/2023 6:02AM
SECTION 5.4 EXERCISES	5.4 Practice Geometry: CC 2015 Problem Set: Custom (8/44) Start: 11/15/2023 6:09AM	Equilateral and Isosceles Triangles Students: All Due: 11/17/2023 6:09AM
SECTION 6.5 EXERCISES	6.5 Practice Geometry: CC 2015 Problem Set: Custom (11/53) Start: 11/15/2023 6:13AM	Indirect Proof and Inequalities in One Triangle Students: All Due: 11/17/2023 6:13AM

Wednesday - substitute in so BEST behavior - work together

From 5.1

Do dark

Problems

Online

1	2	3*	4	5*	6	7*	8	9*	10
11	12	13	14	15*	16	17*	18	19*	20
21*	22	23*	24	25*	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

From 5.4
Do dark
Problems
Online

1	2	3*	4	5*	6	7*	8	9*	10
11	12	13*	14	15*	16	17	18	19	20

From 6.5
Do dark
Problems
Online

11*	12	13*	14	15*	16	17*
21	22	23	24	25	26	27

Thursday - Review yesterday's assignments

- Worksheet 6.5 assorted problems as warmup
- yesterday's assignments
 - 5.1 terms, angles,
 - 5.4 isosceles triangle work
 - 6.5 angle side relationships and making a triangle from SSS

Students EXCHANGE notecards from Monday of their write down sample problems for the test they want on it.

Friday - TEST day

Monday

Assign groups based on Thursday worksheet and drawings.

Continue work on sorting the triangle(s) or not a triangle cards.

Draw or explain for each conclusion.