Geometry

March 18-22, 2024
Chapter 11 Area

Week Overview - March 18-22

Monday - 11.2 Area and Sector area link to Circumference and Arclength

- See future slide for details

Tuesday - Practice Day - Finish 11.1 and 11.2 online assignment and work on composite area worksheet from last week

Wednesday - Chapter 11 Section 3 Notes on area of regular polygons

- See future slide for details

Thursday - Review the sections 1-3

Friday - Quiz

Prepare that STUDENT Journal pages and notes will be collected MONDAY as last Q3 grade

Monday: Section 11.2

- Watch AREA of a circle video:

  https://static.bigideasmath.com/protected/content/hs_tut/geo/c11/02/HSCC_Geom_11_02_ee1/HSCC_Geom_11_02_ee1.html and take notes on SJ pg.322

- Discuss sector as a partial area
- Watch video #3 about area of sector (partial area)
- Watch video #5 on composite figure area with side lengths.

- Complete student journal pg. 323 # 3-8 (exclude discussion)

Wednesday - 11.3 Section
Find area of kites, rhombus, or regular polygons

Use **Student journal pg. 324-328** for sample problems as examples.

The formula for kite and rhombus by their diagonals place on formula sheet also with a regular polygon by ½ apothem times perimeter.

Reiterate that polygons can be broken down by the right triangles and estimated by circle area also.

Use kuta software worksheets for practice with these formulas for homework.

Week & Friday's Quiz Objectives:

Geometry Lesson 11.1 – Day 1: Circumference and Arc Length
Essential Question: How can you find the length of a circular arc?

Lesson Objective(s): Students will use the formula for circumference.
Students will use arc lengths to find measures.
Students will solve real-life problems.

CC State Standards	CC Mathematical Practice Focus
HSG-GMD.A.1 HSG-C.B.5 HSG-CO.A.1	MP6, MP8

Geometry Lesson 11.2 – Day 1: Areas of Circles and Sectors
Essential Question: How can you find the area of a sector of a circle?

Lesson Objective(s): Students will use the formula for the area of a circle.
Students will use the formula for population density.
Students will find areas of sectors.
Students will use areas of sectors.

CC State Standards	CC Mathematical Practice Focus
HSG-GMD.A.1 HSG-MG.A.2 HSG-C.B.5	MP2, MP6

Geometry Lesson 11.3 – Day 1: Areas of Polygons
Essential Question: How can you find the area of a regular polygon?

Lesson Objective(s): Students will find areas of rhombuses and kites.
Students will find angle measures in regular polygons.
Students will find areas of regular polygons.
Previous Learning: Earlier in the book, students found the areas of triangles and special quadrilaterals.
New Vocabulary: center of a regular polygon, radius of a regular polygon, apothem of a regular polygon, central angle of a regular polygon

CC State Standards	CC Mathematical Practice Focus
HSG-GMD.A.3	MP1, MP2, MP3