

Grade 10

Distance Learning Module 8: Week of: May 26th – May 29th

Geometry Level 3

Modified from [Unit F: Area Surface Area and Volume](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Relationship between cross-sectional area and volume for three-dimensional solids

Vocabulary: prism, cylinder, pyramid, cone, sphere, cross-section

Skills: Calculating the volume for a variety of three dimensional solids

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: -	Memorial Day	No school
Tuesday: Volume of rectangular prisms and cylinders	Khan Academy video - volume of a box: Slides 34-45	Khan practice: volume of rectangular prism
Wednesday: Volume of rectangular prisms and cylinders	Khan Academy - volume of a cylinder Slides 34-45	Khan practice: Cylinder volume
Thursday: Volume of pyramids, cones, and spheres	Khan Academy - Volume of a cone Khan Academy - Volume of a sphere Slides 46-57	Khan practice: volume of a cone Khan practice: volume of a sphere
Friday: Volume of pyramids, cones, and spheres	Review and practice volume formulas Slides 46-57	Graded assignment - you can either print this out or do your work on a separate piece of paper. Take a photo and submit. Make sure the image is right side up. Show all work!

Week criteria for success (attach student checklists or rubrics):

- Students will be able to use cross-sectional areas to calculate volumes when appropriate
- Students will be able to use formulas to calculate the volumes of three dimensional solids, including rectangular prisms, spheres, cylinders, and cones

Supportive resources and tutorials for the week (plans for re-teaching):

Google slides

Office hours

Extra help sessions