

Grade 6

Distance Learning Module 7: Week of: May 18th - May 22nd

Grade 6 Mathematics *Modified from [Unit 5 - Constructing and Deconstructing](#)*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: That finding the area of triangles, quadrilaterals, and polygons can be solved by decomposing and composing complex polygons into basic polygons.

Vocabulary: area, perimeter, quadrilateral, parallelogram

Skills: Calculating the area of triangles, quadrilaterals (squares, rectangles, parallelograms)

Expectation: ***You may use a calculator throughout this unit.***

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Review of Area of Rectangles 1) Watch the video as a reminder about how to find the area of a rectangle 2) Play both online games for 10-15 minutes 3) Do Google Form	1) Video of How to Find the Area of a Rectangle 2) Area and Perimeter Build it Game (You do NOT need to log in. Play the game. Level 1 is all that is expected, but try higher levels for a challenge.) 3) Play Area of Composite Rectangles Online Game	1) Complete and submit Google Form
Tuesday: Today you will be looking at parallelograms (four sided shapes with two sets of parallel sides) 1) Watch the video	1) Video: Parallelograms 2) Click on these links to explore how you will find the area of a parallelogram. Find how many full squares it would take to cover the parallelogram. You will NOT be submitting	1) Complete and submit Area of Parallelograms Google Form

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
2) Use the two links to help you think about how you will find the area of a parallelogram 3) Look at how Elena and Tyler find area of parallelograms 4) Complete and submit google form.	anything from these links. Use the colored shapes to cover the whole area of the parallelogram Now change the parallelogram by dragging the green points. Fill in your new parallelogram with the various colored shapes. 3) Learn more about how you will find the area of a parallelogram with this quick exercise. You will NOT be submitting anything from this link. Elena and Tyler Finding Area	
Wednesday: Today you will find the area of parallelograms using the formula: $\text{area} = \text{height} \times \text{base}$ 1) Watch the video 2) Do the six practice problems to prepare for the Google Form 3) Complete and submit the Google Form	1) Finding the Area of a Parallelogram (video) 2) Complete the practice worksheet Area of Parallelograms Practice. DO NOT SUBMIT this. You are completing this to prepare for the Google Form problems.	3) Complete and submit Khan Practice Area of a Parallelogram Janet will google form
Thursday: Today you will learn how the formula for the area of a triangle was created and you will use that formula to find the area of various types of triangles. 1) Watch the video, "How to Find the Area of a Triangle"	1) How to Find the Area of a Triangle (video) 2) Song about the Area of a Triangle	3) Complete and submit Google Form about the Area of Triangles.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
2) Watch the video, "Song About the Area of a Triangle." May you never forget to "divide by 2!" 3) Complete and submit the Google Form about the Area of Triangles. You can use a calculator.		
Friday: Today you will practice using the formula for the area of triangles in word problems. 1) Solve the Area of Right Triangles practice problems. 2) Complete and submit the Word Problems - Area of Triangles Google Form.	1) Area of Right Triangles Practice Problems - Use these online problems to warm up before you do the word problems. You DO NOT submit these.	2) Complete and submit the Google Form Word Problems - Area of Triangles

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

_____ I can find the area of a shape that is made up of several rectangles

_____ I can find the area of a parallelogram using the formula : area = base X height

_____ I can find the area of a triangle using the formula: $area = \frac{base \times height}{2}$ or area = ½ X height X base

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

- 1) If a student is struggling a calculator may help
- 2) Area Notes
- 3) Area of Parallelogram video
- 4) Area of Triangle - Activity to Show How Formula for Area of Triangle was Created
- 5) Video Area of Parallelogram video