

Grade 4

Distance Learning Module 3: Week of: April 13th - 17th

Content Area: Math - Modified from Unit 5# Geometry and Measurement

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Identify and draw parallel and perpendicular lines, and different polygons. Practice drawing a variety of angles, lines, lines of symmetry.

Vocabulary: line, parallel, perpendicular, line of symmetry, equilateral triangle, isosceles triangle, rectangle, rhombus, right angle, scalene triangle, square, symmetry, line segment, parallelogram, polygon, quadrilateral, trapezoid, congruent

line: a set of connected points that continues in both directions without end (if it has two endpoints it is a line segment, and if it has one endpoint and continues in one direction without end, it is a ray)

parallel: always the same distance apart

perpendicular: intersecting at right angles

line of symmetry: a real or imaginary line that divides a shape into two mirror images

equilateral triangle: a triangle with all sides the same length

isosceles triangle: a triangle with exactly 2 congruent sides

rectangle: a two-dimensional (flat) shape with two pairs of parallel sides (4 sides total) and 4 right angles

rhombus: a two-dimensional (flat) shape with 4 congruent sides

right angle: an angle with a measure of exactly 90°

scalene triangle: a triangle whose sides are all of different lengths

square: a two-dimensional (flat) shape with 4 congruent sides and 4 right angles

line segment: the set of all points between two endpoints

parallelogram: a two-dimensional (flat) shape with 4 sides, with both pairs of opposite sides parallel

polygon: a closed two-dimensional (flat) shape with 3 or more sides

quadrilateral: a two-dimensional (flat) shape with 4 sides

trapezoid: a two-dimensional (flat) shape with 4 sides, exactly 1 pair of which are parallel

congruent: of the same shape and size;

Skills:

1. Identify and draw perpendicular and parallel lines
2. classify two-dimensional shapes
3. identify polygons based on properties

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Monday: Using Pattern Blocks and Protractors</p> <p>Today your mission is to practice angle measurement using a protractor with pattern blocks. You will be successful if you can measure angles of pattern blocks AND draw an acute, right and obtuse angles.</p> <p>Practice Multiplication or Division Facts</p>	<ol style="list-style-type: none">1. First watch this video KHAN Academy how to constructing angles2. Now try making some angles yourself. Using the MLC Pattern Block App, follow these directions to measure and create angles using the app. Then submit your answers using the Google Form for Angle Measurement. <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Complete the Google Form for Angle Measurement using the MLC Pattern Shapes App. Hit submit when you are done and your answers will come to me.</p>
<p>Tuesday: Introducing parallel and</p>	<ol style="list-style-type: none">1. Look at the images on the Parallel and	<p>Complete the Angles Checkpoint on the</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>perpendicular lines</p> <p>Today your mission is to investigate parallel, perpendicular, and intersecting lines. You will be successful if you can identify and draw these lines.</p> <p>Practice Multiplication or Division Facts</p>	<p>Perpendicular Lines Same and Different sheet. Fill out what is the same and what is different. You do not need to share this with your teacher.</p> <ol style="list-style-type: none"> 2. Watch this Brain Pop video and take the quiz . Username & Password: are provided in Google classroom 3. Complete the Angles Checkpoint on Google Forms. <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Google Form. Hit submit when you are done and your answers will come to me.</p>
<p>Wednesday: Parallel, perpendicular, and angles</p> <p>Today your mission is to review parallel, perpendicular, by examining figures that are examples and non-examples. You will be successful if you can identify and draw these lines.</p> <p>Practice Multiplication or Division Facts</p>	<ol style="list-style-type: none"> 1. Watch this video. 2. Look at this anchor chart for parallel and perpendicular lines. 3. Complete Parallel and Perpendicular Lines Google Form. 4. OPTIONAL: Practice making different types of lines using Geoboard <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Complete Parallel and Perpendicular Lines Google Form. Hit submit when you are done and your answers will come to me.</p>
<p>Thursday: Lines of symmetry</p> <p>Today your mission is to learn the concept of line symmetry. You will be successful if you</p>	<ol style="list-style-type: none"> 1. Watch this video about shapes and symmetry. 2. Look at this symmetry anchor chart. 3. Complete SB 186. Then check your 	<p>Complete the Thinking About Symmetry Google Form. Hit submit when you are done and your answers will come to me.</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>can examine examples and non-examples and then identify symmetrical shapes and their lines of symmetry.</p> <p>Practice Multiplication or Division Facts</p>	<p>work here. You do not need to turn this in to your teacher.</p> <p>4. Complete the Thinking About Symmetry Google Form.</p> <p>Optional -Try this fun activity. Activity: Symmetry of Shapes</p> <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	
<p>Friday: Polygons</p> <p>Today your mission is to investigate the properties of shapes, specifically what a polygon is and also different types of triangles. You will be successful if you can examine examples and non-examples of polygons and then identify types of triangles..</p> <p>Practice Multiplication or Division Facts</p>	<ol style="list-style-type: none"> 1. What is a Polygon? Watch this video. 2. Draw 3 polygons and 3 non polygons shapes 3. Review pg 187 -focus on the section "naming polygons" 4. Complete the Polygon worksheet, naming the specific polygons the best you can. 5. Use the Geoboard to try and create as many different types of polygons as you can. Can you make a ten sided shape? What do you think it will be called? <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Complete the Polygon Worksheet. You can do your work on notebook paper, blank paper or print out the student book sheet, take a picture or scan, and send it to your teacher via Google Classroom.</p>

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

1. I can identify and draw perpendicular and parallel lines.

2. I can classify two-dimensional shapes.
3. I can identify polygons based on attributes.

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

Bridges practice pages. pg, 180,183,188,190,192,95,96,97,99,100,101,102. **You can VIEW or PRINT these sheets.**

Measuring angles review (article) | Angles

More ways to use a protractor Khan Academy

Khan Academy using a protractor to measure

Constructing angles review (article) Khan Academy using a protractor to draw angles

Using a Protractor - Online

Parallel and Perpendicular Lines

Parallel and Perpendicular Lines Song

What is a polygon? Video

The Polygon Song

MATH at HOME Bridges link for fun daily math activities, family games, and online games. No login or registration required