Grade 4
Distance Learning Module 5: Week of: April 27 - May 1

## Grade 4 Mathematics - Modified from Unit \#5-Geometry and Measurement: We Believe in Angles!

## Targeted Goals from Stage 1: Desired Results

Content Knowledge: Apply the area and perimeter formulas for a rectangle to solve a problem.

Vocabulary: area, dimension, perimeter
Area: the total number of square units needed to cover a two-dimensional surface
Dimension: the length, width, or height of a figure
Perimeter: the distance in linear units around a two-dimensional (flat) figure
Skills:

- using the area formula for a rectangles
- using the perimeter formula for a rectangles


## Expectation

| Description of Task (s): | Resources and Materials: <br> Monday: Measuring Area <br> Today your mission is to calculate the area of <br> rectangles. | Daily Checks <br> (Return to Google Classroom or snapshots <br> from a cell phone) |
| :--- | :--- | :--- |
| Practice Multiplication or Division Facts | WrainPop Login credentials (username \& BrainPop video on Area. <br> password) are posted in Google classroom) <br> Try the quiz about the area on BrainPop after <br> the video. | Your teacher will complete some area <br> problems with you during the Live Session <br> today. Watch the recording of it and do the <br> problems if you cannot attend it live. |
|  | Choose a game or activity to practice facts for <br> $5-10$ minutes. See District website or Fact <br> Fluency Practice Options for ideas. |  |


| Description of Task (s): | Resources and Materials: | Daily Checks <br> (Return to Google Classroom or snapshots from a cell phone) |
| :---: | :---: | :---: |
| Tuesday: Measuring Perimeter <br> Today your mission is to calculate the perimeter of rectangles and squares. <br> Practice Multiplication or Division Facts | Watch this BrainPop video on Perimeter BrainPop Login credentials (username \& password) are posted in Google classroom) <br> Try the quiz about perimeter on BrainPop after the video. <br> Choose a game or activity to practice facts for 5-10 minutes. See District website or Fact Fluency Practice Options for ideas. | Complete the Google Form: Find the Perimeter. You will need to do your work out on a piece of paper and enter your answers on the Google Form. |
| Wednesday: Area \& Perimeter Formulas <br> Today your mission is to recognize equations for area and equations for perimeter. <br> Practice Multiplication or Division Facts | Watch this video on the formulas for area and perimeter. <br> Look at this anchor chart for area and perimeter. <br> Choose a game or activity to practice facts for 5-10 minutes. See District website or Fact Fluency Practice Options for ideas. | Complete the Google Form: Area and Perimeter Formulas. You will need to do your work out on a piece of paper and enter your answers on the Google Form. |
| Thursday: Area \& Perimeter <br> Today your mission is to solve area and perimeter problems <br> Practice Multiplication or Division Facts | Listen to the story Sir Cumference and the Isle of Immeter. <br> Play the game Inners and Edges. <br> Choose a game or activity to practice facts for 5-10 minutes. See District website or Fact Fluency Practice Options for ideas. | Complete the Google Form: Area and Perimeter. You will need to do your work out on a piece of paper and enter your answers on the Google Form. |
| Friday: Using Area and Perimeter <br> Your mission today is to use what you know about area and perimeter to play online | Play one or more of these area and perimeter on-line games: <br> Shape Explorer <br> Zoo Designer | Complete the Google Form: Area and Perimeter Concepts Review <br> You can also tell your teacher in Google |


| Description of Task (s): | Resources and Materials: | Daily Checks <br> (Return to Google Classroom or snapshots <br> from a cell phone) |
| :--- | :--- | :--- |
| games. | Party Designer <br> Area Snatch Pro <br> Perimeter Snatch Pro <br> Area Blocks | Classroom which game you liked playing the <br> best if you would like. Respond to the <br> question prompt to do this. |
|  | Choose a game or activity to practice facts for <br> $5-10$ minutes. See District website or Fact |  |
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Week criteria for success (attach student checklists or rubrics):

- I can calculate the area of a rectangle or a square.
- I can calculate the perimeter of a rectangle or a square.


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

Practice Problems You can use pages 108, 166,183
anchor chart for area and perimeter
Area and perimeter lessons from Khan Academy
Online games:
Shape Explorer
Zoo Designer
Party Designer
Area Snatch Pro
Perimeter Snatch Pro
Area Blocks

