

Grade 5

Distance Learning Module 6: Week of: May 11th – 15th

Grade 5 Mathematics - Modified from [Unit #5 - Multiplying and Dividing Whole Numbers and Fractions](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Finding the product of fractions.

Vocabulary: denominator, numerator, factor, fraction, improper fraction, product, equivalent fraction, area model, equation, expression, fraction model

Skills:

- solving multiplication of fractions with the area model
- determining a fractional amount of a whole number.
- how to model multiplication of fractions

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Strategies for multiplying fractions and whole numbers Practice Multiplication or Division Facts	Watch this video on the Trading Places strategy for multiplying a fraction by a whole number. Play Fraction Splat. Fraction Splat Directions Fraction Splat Game Board 1 Fraction Splat Game Board 2 Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.	Complete the Whole Number Times a Fraction Checkpoint. Take a picture of your checkpoint and upload it to Google Classroom.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Tuesday: Understanding Area and Perimeter on a Geoboard</p> <p>Practice Multiplication or Division Facts</p>	<p>Look at the Rectangle Review sheet and answer the questions before watching the video.</p> <p>Watch this video about perimeter on a Geoboard.</p> <p>Optional Challenge Activity: Use the Geoboard Perimeters Challenge sheet to draw and label an example of additional figures with a perimeter of exactly:</p> <ul style="list-style-type: none"> - 2 linear units - 2 ½ linear units - 3 linear units - 3 ½ linear units <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: Geoboard Perimeters</p> <p>If you chose to do the challenge, upload an image of your completed work to Google Classroom</p>
<p>Wednesday: Multiplying Fractions using the area model</p> <p>Practice Multiplication or Division Facts</p>	<p>Watch this video on Using the Area Model to Multiply Fractions.</p> <p>Print or create your own Fraction Multiplication Grids.</p> <p>Solve the following problems on your grids:</p> <ol style="list-style-type: none"> 1. $\frac{3}{4} \times \frac{1}{4}$ 2. $\frac{1}{2} \times \frac{1}{4}$ 3. $\frac{1}{4} \times 1$ <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>Take a picture of your completed fraction grid and upload it to Google Classroom.</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Thursday: Multiplying Fractions using the area model Practice Multiplication or Division Facts	Watch this video on Multiplying Fractions with the Area Model part 2. Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.	Complete Student Book Page 179 and upload it to Google Classroom.
Friday: Solve multiplication equations using the Standard Algorithm Practice Multiplication or Division Facts	Review the anchor chart: Multiplication Algorithm Anchor Chart Watch the video to review the strategy if needed: Multiplication Algorithm Review Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.	Complete Student Book Page 175, Reviewing the Standard Algorithm for Multiplication, and upload an image of your completed work to Google Classroom

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

- I can use different strategies to multiply a fraction by a whole number.
- I can find the product of two fractions using an area model.
- I can use the standard algorithm to solve multiplication problems.

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

Play Fraction Splat
Fraction Splat Directions
Fraction Splat Game Board 1
Fraction Splat Game Board 2

Count On Game- Multiplying a Fraction by a Whole

Video for Multiplying a Fraction by a Fraction with a Model

Area Model for Multiplying Fractions

Khan Academy Visualizing Multiplying Fractions

Khan Academy Multiplying fractions with Visuals Practice Problems