Grade 8
Distance Learning Module 7: Week of: May 18th – May 22nd

Grade 8 Pre-Algebra *Exponents - Modified from Unit E - Monomials*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities.

Vocabulary: exponent, base, scientific notation

Skills: Students can use scientific notation to describe large and small numbers.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: The Science of Scientific Notation (13.2)	Google Slides Video About Scientific Notation (optional)(just to 10:45)	Assistment > Open Up > Grade 8 > Unit 7 > Student Facing Tasks > 7.13 > Choose the first problem (A - D) **Go to Google Classroom to get link**
Tuesday: Scientific Notation Expansion (13.3)	Google Slides Optional Online Practice	Assistment > Open Up > Grade 8 > Unit 7 > Cool Downs > Lesson 13 **Go to Google Classroom to get link**
Wednesday: Biomass (14.2)	Google Slides Dividing Numbers in Scientific Notation Video(optional)(start at 6:32)	Assistment > Open Up > Grade 8 > Unit 7 > Cool Downs > Lesson 13 **Go to Google Classroom to get link**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	Dividing Numbers in Scientific Notation Online Practice (optional)	
Thursday: Professions in the United States (14.4)	Google Slides Multiplying Numbers in Scientific Notation Video (optional)(end at 6:32) Multiplying Numbers in Scientific Notation Online Practice (optional)	Assistment > Open Up > Grade 8 > Unit 7 > Student Facing Tasks > 7.14 > Choose the first three problems (A & B for each) **Go to Google Classroom to get link**
Friday: Review of Lessons 13 and 14 - Read the Notes and complete the practice problems.	Notes from Lessons 13 and 14	Assistment > Open Up > Grade 8 > Unit 7 > Practice Problems > Choose some from Lesson 13 and /or Lesson 14 **Go to Google Classroom to get link**

Week criteria for success (attach student checklists or rubrics): I can tell whether a number is in scientific notation or not; I can use scientific notation and estimation to compare quantities and interpret results in context; I can generalize a process of multiplying and dividing numbers in scientific notation.

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

Lesson 13 – YouTube video: Math 8 7 13 Homework Help Morgan

Lesson 14 - YouTube video: Math 8 7 14 Homework Help Morgan