

Grade 8

Distance Learning Module 5: Week of: 4.27.20 – 05.01.2020

Mathematics 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

Skills: Use powers of 10 to write large or small numbers, Visualize large numbers on the number line using powers of 10

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Review of multiplying by powers of 10 and by numbers such as 0.01 and 0.001 etc	Google Slides Choose ten problems to do and check Choose ten problems to do and check	Google Form (get this from google class)
Tuesday: 9.3: Using Powers of 10 to Describe Large and Small Numbers	Google Slides	Assistment Check-in > Open Up > Grade 8 > Unit 7 > Cool downs > 7.9)Link will be posted in Google Classroom
Wednesday: 10.2: Comparing Large Numbers with a Number Line	Google Slides	Assistment Check-In > Open Up > Grade 8 > Unit 7 > Practice Problems > Lesson 10 (the first 3 problems A and B) Link will be posted in Google Classroom

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Thursday: 10.3: The Speeds of Light	Google Slides	Check-in (7.10 Cool-down in Assistment)Link will be posted in Google Classroom
Friday: Read notes for Lessons 9 and 10 and complete practice problems	Google Doc	Lesson 9 and 10 Practice Problems (from Assistment) - Link will be posted in Classroom

Week criteria for success (attach student checklists or rubrics): given a very large or very small number, I can write an expression equal to it using a power of 10; plot a multiple of a power of 10 on a number line; subdivide and label a number line between 0 and a power of 10 with a positive exponent into 10 equal intervals; write a large number as a multiple of a power of 10

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

Lesson 9 – YouTube video - Math 8 7 9 Homework Help Morgan

Lesson 10 – YouTube video - Math 8 7 10 Homework Help Morgan

Exponent Rules Posters

Daily questions/check-in links to posted on Classroom: