

Grade 8

Distance Learning Module 2: Week of: 4.6.20

## Content Area: Math 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

**Skills:** Explain and use a rule for raising a power of 10 to a power; Evaluate  $10^0$  and explain why it makes sense; Explain and use a rule for dividing powers of 10.

**Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: 3.2 Taking Powers of Powers of 10  1) Watch google slide in “present mode” Answer Questions as you go along. 2) Do practice problems 3) do google form assigned in your googleclass	<a href="#">Google Slides</a>  <a href="#">Practice Problems</a>	Fill out <a href="#">googleform</a> Big Cube posted in googleclass
Tuesday: 3.3 How do the Rules Work?  ● Watch google slide in “present mode” Answer Questions as you go along. ● Do practice problems	<a href="#">Google Slides</a>  <a href="#">Practice Problems</a>	Check-in (7.3 Cool-down in Assistent)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)
<ul style="list-style-type: none"> <li>Do discussion question in googleclassroom</li> </ul>		
Wednesday: 4.2: Dividing Powers of 10 <ul style="list-style-type: none"> <li>Watch google slide in “present mode” Answer Questions as you go along.</li> <li>Do google form assigned in your googleclass</li> </ul>	<u>Google Slides</u>	Google Classroom <u>Googleform</u> : 4.1: A Surprising One
Thursday: 4.3: Zero Exponent <ul style="list-style-type: none"> <li>Watch google slide in “present mode” Answer Questions as you go along.</li> <li>Do practice problems</li> <li>Do discussion question in googleclassroom</li> </ul>	<u>Google Slides</u>  <u>Practice Problems</u>	Check-in (7.4 Cool-down in Assistent) Link will be posted in Google Classroom
Friday: <b>School is closed for Good Friday. We have provided some optional activities for interested students. There is no obligation to complete any of these activities and students will not be behind their classmates if they do not complete them.</b>  Read notes from Lesson 3 and Lesson 4 and complete googleform	<u>Lessons 3 and 4 Notes (Google Doc in Classroom)</u>	<u>googleform</u> in googleclass <b>OPTIONAL</b>

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

- 1) Explain the rule for dividing powers of 10.
- 2) Use the rule for dividing powers of 10.
- 3) Explain a rule for taking powers of powers of 10.
- 4) Use a rule for taking powers of powers of 10.

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

Lesson 3 – YouTube video - Math 8 7 3 Homework Help Morgan

Lesson 4 - YouTube video - Math 8 7 4 Homework Help Morgan

[Exponent Rules Poster](#)

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