

Grade 8

Distance Learning Module 1: Week of: 3.30.20

Content Area: Math Exponents - *Modified from Unit E - Factors and Monomials*

Targeted Goals from Stage 1: Review exponents; Explore patterns with exponents when we multiply powers of 10

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, expanded form

Skills: Use exponents to describe repeated multiplication; understand the meaning of a term with an exponents; explain and use a rule for multiplying powers of 10

Expectation:

| Description of Task (s): | Resources and Materials: | Daily Checks (Return to Google Classroom) |
|--|--|---|
| Monday: Each day you will look at slides (use “present” mode) and answer questions. You should have paper and a pencil so you can work thru problems before they are revealed. 1.2 Return of the Genie Do practice problems. Let your teacher know if you have questions on those problems. In googleforms you will not be able to write | You may use <u>ALL</u> links in this column <u>Google Slides</u> <u>Practice Problems</u> | Do in your individual teacher’s google classroom only (Teacher link only. Do not use) <u>google form</u> |

| Description of Task (s): | Resources and Materials: | Daily Checks (Return to Google Classroom) |
|--|---|--|
| an exponent. Instead you will use a “^”. So 5^2 is written 5^2 | | |
| Tuesday: 1.3 Broken Coin | <p>You may use <u>ALL</u> links in this column</p> <p><u>Google Slides</u></p> | <p>Do in your individual teacher’s google classroom only</p> <p>(Teacher link only. Do not use)^{1.4} Exponent Check (<u>Cool-down 7.1 in Assistent</u>)</p> |
| Wednesday: 2.2 Picture a Power of 10 | <p><u>Google Slides</u></p> | <p>Do in your individual teacher’s google classroom only</p> <p>(Teacher link only. Do not use) <u>Google form</u> 100, 1, or 1/100? (warm-up 2.1)</p> |
| Thursday: 2.3 Multiplying Powers of 10 | <p><u>Google Slides</u></p> <p><u>Practice Problems</u></p> | <p>Do in your individual teacher’s google classroom only</p> <p>(Teacher link only. Do not use) Lesson 2 Check-in (7.2 <u>Cool-down in Assistent</u>)</p> |
| Friday: Lesson 1 and 2 Practice Problems | <p><u>Read Lesson 1 and Lesson 2 summary (Google doc in Classroom)</u></p> | <p>Do in your individual teacher’s google classroom only</p> <p>(Teacher link only. Do not use) Assistent Lesson 1 and Lesson 2 Practice Problems (<u>google form</u>)</p> |

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

- 1) explain and use a rule for multiplying powers of 10

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

Lesson 1: [YouTube video posted in Google Classroom](#)

Lesson 2: [YouTube video posted in Google Classroom](#)

Daily questions/check-in links to posted on Classroom