

Math 6/6P EMS ISD Distance Learning - Week of March 23, 2020

Select 1-2 tasks from the choice board on the next page. For each task choose a math concept from any of the below units you have studied this year:

Operations with Rationals - Integers, Fractions, & Decimals

Proportional Reasoning – Fractions, Decimals, Percents, Ratios & Rates

Expressions, Equations, and Inequalities – Order of Operations, Representing & Solving

Algebraic Representations – Coordinate Planes, Linear Representations

Geometry and Measurement – Triangles, Area & Volume

The task choices provide you opportunities to show your thinking through math processes:

- A. *APPLY* mathematics to problems in life, society, and the workplace
- B. *SOLVE* problems by analyzing information, formulating a plan, solving, and evaluating/justifying.
- C. *SELECT TOOLS* and *TECHNIQUES* to solve problems.
- D. *COMMUNICATE* mathematical ideas and reasoning using multiple representations.
- E. *CREATE* and *USE REPRESENTATIONS* to organize, record, and communicate mathematical ideas.
- F. *CONNECT* mathematical ideas.
- G. *DISPLAY, EXPLAIN, and JUSTIFY* mathematical ideas using precise language.

Materials Needed:

You may use paper and pencils, art supplies, technology apps, or any other materials you have at home to present your ideas.

Optional Online Resources for Reference:

Khan Academy <https://www.khanacademy.org/>

Math is Fun <https://www.mathsisfun.com/>

IXL Math <https://www.ixl.com/math/>

Math is Visual <http://mathisvisual.com/>

Virtual Nerd <https://www.virtualnerd.com/>

Graphing Calculators <https://www.desmos.com/calculator>, <https://www.geogebra.org/graphing>

CHOICE BOARD

One Pager

Include the following:

Border: Design a symbolic colored border that FRAMES your understanding.

Title: Title the one-pager to reflect the content and make it STAND out.

Illustration: Create a central focus related to the content. Be creative in how you illustrate your understanding.

Hashtag: Create a one or two word #hashtag to narrow down the topic.

Reflection: Summarize the topic, then reflect on how this can be utilized. (3-5 sentences)

Blog Post or Media Review

Discuss in your post a career in science, technology, engineering, or math. Research this career so that your blog post contains facts and cite your sources.

OR

Watch a movie or TV show series episode, or read a news or journal article related to the use of your topic. Write a review and cite your sources.

Multiple Representations

Identify a real-world scenario related to your topic. Create at least two representations that communicate that scenario, and show how those representations connect to each other. You may use pictures, models, real objects, graphs, tables, equations, and written descriptions.

Contributors to Society

Research someone who has made a contribution related to math. Present your research in a format of your choice. Some examples include essay, recording, interview, speech, news story, or visual presentation. Cite your sources.

Arts and Entertainment

Create a photo, video, music, or art gallery related to your topic. Include brief captions.

OR

Create a comic strip, short story, poem, song, or children's book related to your topic.

Reinforcement and Extension

The websites above provide opportunities to support your secondary math learning in various ways. Search topics and engage in the activities. Review vocabulary, concepts, and skills. Explore! Learn something new or learn it better! Go to the next level!

Looking for some fun family challenges? Select the Challenge Index or Math Index tabs on this site:
<https://figurethis.nctm.org/index.html>