

## EMS ISD Distance Learning: May 4-15, 2020

### Middle School Math CHOICE BOARD

*Instructions: Select 1-2 activities each week. Be creative! You may use paper, pencils, art supplies, technology apps, or any other materials you have at home to present your ideas.*

#### Math 6/6P

May 4-8: 12(a) Creating and interpreting histograms  
May 11-15: 12(d) Summarizing data in frequency tables and bar graphs

#### Math 7

May 4-8: 6(i) Finding theoretical and experimental probabilities  
May 11-15: 6(g) Solving problems with data from plots and graphs

#### Math 7P/8/8P

May 4-8: 5(i) Writing linear equations from tables  
May 11-15: 5(i) Writing linear equations from verbal expressions

#### Algebra 1P

May 4-8: 9(c) Representing growth and decay as exponential functions  
May 11-15: 9(d) Graphing exponential functions

#### ARTS & ENTERTAINMENT Connections

Read a book or watch a movie or TV series that relates to this week's concept or mathematics in general. Create a poster or video advertisement recommending the book, movie, or series with highlights to attract reader/viewers.

#### MATHEMATICAL Connections

Identify a real-world scenario related to this week's lesson concept(s). Create at least two representations that communicate that same scenario, and show/explain how those representations connect to each other. You may use pictures, models, real objects, graphs, tables, equations, and written descriptions.

#### LITERARY Connections

Design a Frayer Model for a vocabulary term that was new to you or was most important during this week's learning. Include the term in the center and the meaning, facts/characteristics, examples, and nonexamples in the four sections around it. Write a few sentences reflecting on how using the model helped you understand the vocabulary term.

#### REAL-WORLD Connections

Create an appealing cover for a textbook or review book on this week's topic. Be creative with designs and styles. Include a title, the author (your name), and at least three images related to your topic's application in the real world – nature, business, art, sports, etc.

#### OR

Write a one-page summary describing the elements you would include in a cover.

#### VISUAL Connections

Design a Thinking Map related to a concept from this week's lesson. Choose from one of the following types:

- Circle
- Bubble
- Double Bubble
- Tree
- Flow
- Multi-flow
- Brace
- Bridge

#### REINFORCEMENT and EXTENSION

Explore something new or go deeper into what you already know by visiting online resources such as:

Khan Academy <https://www.khanacademy.org/>  
Math is Fun <https://www.mathsisfun.com/>  
Cool Math <https://www.coolmath.com/>  
Virtual Nerd <https://www.virtualnerd.com/>

Need graphing technology on your home device?

Desmos <https://www.desmos.com/calculator>  
Geogebra <https://www.geogebra.org/graphing>