Math Experts Links

Contact Information: Lenny VerMaas, lennyvermaas@gmail.com
Twitter @LennyVerMaas
Main Website http://bit.ly/lennyv
YouTube Channel

Dan Meyer

- @ddmeyer
- **Dan Meyer's blog: Sign up for emails.**
- 10 videos of Dan's presentations

Graham Fletcher

- @gfletchy
- Website with 3-Acts and progression videos for elementary.

Robert Kaplinsky

- @robertkaplinsky
- 50 Real world problem
- Links to other resources
- #observeme Ignite talk

3-Acts

3 Act Resources & links

Graph Stories HS

- Website
- Graph stories shows a 15 second of some motion (Dan swinging on swing), students sketch the graph of the motions, the video provides the graph.
- Jumping from swing talk with suggestions from Dan Meyer

101 Questions

- Website
- Random pictures or short video are show that prompt and problem. Sign up at the web site so that you can get back to your favorite pictures.
- mentos in pop
- apple peel
- From Table Talk Math Tips for using 101 questions.

Open Middle

Document with links and resources
http://bit.ly/lennyvopenmiddle
@openmiddle

Examples: Directions: Place numbers 1-9 in the boxes to create a true statement. Each number can only be used once.

□=□+□=□+□+□

Slope from two points. Directions: Use any whole numbers from 1-9 to find the biggest and smallest possible

Steve Wyborney Resources

- Splat Splat for Google Slides
- Esti-Mysteries
- Cube Conversations with the 80 printable pages
- the 100 Subitizing Slides resources
- The Estimation Clipboard

slope. You may only use a number once. Biggest Product Problem 1 Problem 2 Problem 3		

- **Dan Meyer at NATM conference September 2016**
  - **Nebraska Session Links Creating Headaches**
  - **Dan Meyer __Estimating Coin Problem__. Four different video are involved**
- Dan's video of NCTM presentations
- **Dan at NCTM 2015 conference**
- **Math Class Needs a Make Over TED Talk**
- **Guide to Building Great Math Activities**

. Dan Meyer's 3 Acts

- **3 Acts pose a problem with a short video or picture, provides additional information to answer the question and then show the solution.**
- **Explanation of what is 3-acts-of-a-mathematical-story**
- **Document with links to several 3 Acts lessons 3 Acts**
- **Link to webpage with 3 Act lessons**
- **Why Students Hate Word Problems Dan explains how to create 3 acts word problems Links from presentation**
  - **1. Get to the hook quickly. 2. Make first act visual. 3. Separate the first two acts. 4. Ask your students to help create 2nd act. 5. Make 3rd act visual.**
- **Pyramid of Pennies Classic 3 Act problem**
- **more 3 Acts **Scammell**, **Michael Fenton**, **Chris Hunter**, and **Jim Pai**.**
- **Pyramid of cans**
- **Coca-Cola in pool**
- **3 Acts from Graham Fletcher**
- **3 Acts from Dan Ehlert**

- **First week of school activities to create a "math culture"**

Lenny's 3 Acts

- **Grain Pile**
- **Airplane Flight**

Redesigned problems, Dan takes a textbook problems, eliminates much of the fluff and creates a new engaging problem.

- **Mountain Climber Problem**
- **Ferris Wheel 3 Acts time vs height, extending the problem**
- **Counting shaded squares in two rows around a large square.**
- **Cost of Internet plans**
- **Meat Ball, 3 Acts, determine volume of sauce**
- **Skid Marks and accident investigations**
- **Postage Rates, graphs, predictions, step function**
- **Reflections and view of Japanese classroom**
- **Makeover of LCM using ferry boats an updated post on same problem with videos update 2**
- **How many pennies in a circle Makeover with 3 acts for penny . Teacher filters for using penny activity**

Blogs

- **Tiny Math Games**