

Paper Folding Activity For Exponential Growth

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Paper Folding Activity For Exponential

Exponential Paper Folding Lesson Plan Page 2 of 2 Try it again If time allows, try the experiment again using thirds. Repeat above lesson plan, with less guided practice. This time have students work more independently, but students may work in partners.

Exponential Paper Folding Lesson Plan - Video Introduction

Exponential Functions: An exponential function takes the general form $y = ab^x$, where a and $b > 0$. Of course b is the base and a is the initial value. The domain of the exponential function is all real numbers. Can you think of an equation to represent the paper folding activity? Can you think of an equation to represent the March Madness activity?

KM 654e-20150317110724

Paper Folding: Introduction to Exponential Functions In this activity you will observe and record the relationship between the number of folds and rectangles of a piece of paper. Procedure: 1. Take a rectangular sheet of paper. Fold the paper in half once. How many rectangles are created? Record the data in the table below. 2. Using the same ...

Paper Folding: Introduction to Exponential Functions

If presented in the spirit of inquiry, exploration, and playfulness, "Paper Fold" can help participants confront their own misperceptions about causality and exponential growth in a nonthreatening way. Equipment and Set-up. You need one small cocktail napkin or paper-towel square for each participant.

Paper Fold: An Exercise in Exponential Growth - The ...

Fold the paper in half twice. 5. Exponential Growth: Paper Folding Activity - Weebly One of my favorite problems to introduce in CS1 is the paper folding puzzle. Folding a piece of paper in half results in a folded sheet twice as thick as the original sheet.

Paper Folding Activity For Exponential Growth

Paper folding and exponential functions I am teaching exponential functions in my Algebra II classes this week. And I just came back from this teaching conference, where one of the sessions included a few handouts of the types of problems that this one charter school uses.

Paper folding and exponential functions | Continuous ...

3. After completing the exponential growth activity, the students should work on the exponential decay activity, following the directions on the activity sheet. 4. After the students complete the exponential decay activity, the teacher should lead a discussion of questions 3 – 6. Paper-Folding Activity. Part I

Paper-Folding Activity - Google Docs

Exponential Growth – Paper Folding Directions: I. Collect Data – For each trial described below, enter the appropriate number in the table below. A. Count the number of sections created by folds in your paper (this is trial 0). B. Fold your paper in half.

Exponential Growth - Paper Folding - lhsblogs.typepad.com

(Exponential Models) Objective The objectives of this lesson are for students to explore the patterns of exponential models in tables, graphs, and symbolic forms and to apply what they have learned to make predictions in a real situation. Overview of the Lesson In activities that use paper folding and M&M's, students will collect data, create

The High School Math Project Rhinos and M&M's - RPD

Organizing Topic: Exponential Modeling Mathematical Goals: Students will model exponential relationships from data gathered during activities ... Paper Folding Activity Number of Sections: How many times do you think you can fold a piece of paper in half? 1. Fold an 8.5" x 11" sheet of paper in half and determine the number of sections the

Organizing Topic: Exponential Modeling

Piles of Paper is a student activity that demonstrates linear and exponential growth using heights of flat and folded paper. Data tables are created and then algebraic models are developed. Real world types of linear and exponential growth are also introduced.

Piles of Paper - Home | CPALMS.org

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Folding Paper to teach exponents, especially 2 to the 0 ...

Can folding a piece of paper 45 times get you to the moon? By seeing what happens when folding just one piece of paper, we see the unbelievable potential of exponential growth. This lesson will leave you wanting to grab a piece of paper to see how many times you can fold it! Lesson by Adrian Paenza,

How folding paper can get you to the moon - Adrian Paenza ...

Exponential growth. Take a sheet of paper of the ordinary variety - letter size for the Americans, A4 for the rest of the world - and fold it into half. Fold it a second time, and a third time. ... The idea for this article and, indeed, the paper-folding analogy came from an issue of the Economist.

Exponential growth - Varghese

EXPLODING NUMBERS Grades 9 - 12 This lesson will explore the concept of exponential growth. The concept is introduced using a paper folding activity, and developed using the models of population ...

NTTI Lesson: EXPLODING NUMBERS - thirteen.org

Show the exponential growth in simple paper folding. ... Teaching Algebra - Exponential Functions. ... Used when working on the difference between linear and exponential models I use this activity in my Algebra 1 class at the end of the year to compare basic properties of the three types of functions covered throughout the course work before ...

Show the exponential growth in simple paper folding ...

• paper • pencil • graph paper 8.2 Concept Activity 473 Group Activity for use with Lesson 8.2 Fold number 012345 Number of regions 12???? Fractional area of each region 1 1 2???? Exponential Growth and Decay QUESTION What relationships exist between exponential growth and exponential decay when a piece of paper is folded repeatedly ...

ACTIVITY 8.2 Group Activity for use with Lesson 8.2 ...

Exponential Growth: Paper Folding Activity Directions: 1. Take a piece of paper and fold it in half once. 2. Unfold the paper and count how many rectangles were formed on the paper. 3. Record your findings in the table below. 4. Fold the paper in half twice. 5.

Exponential Growth: Paper Folding Activity - Weebly

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Desmos Classroom Activities

Math 111 - Winter 12 - PP1 - All videos listed and organized here
<http://webpages.sou.edu/~stonelakb/math/index.html>

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