

# Extra Credit





# WELCOME TO THE EXTRA CREDIT BINDER 😊

Parents ask me from time to time if their students can get "extra credit" to bring up some low grades. My answer is, "ABSOLUTELY!" Students you can complete any of the activities listed here and bring your work to me. Points for each activity will be given based on activity, effort and quality of work turned in. A maximum of 20 extra credit points may be earned for each project and will be applied to your overall grade per semester.

## **Listed below are the extra credit options you have to complete this year. The rules are as follows:**

- Extra Credit should not be relied on and can only be done twice a quarter.
- Extra credit must be done no later than 2 weeks prior to quarter grade closures.
- Students may only do one project a semester and each option once per year.
- Extra Credit options DO NOT replace any grades, they only enhance points.
- Extra credit options are available for students who wish to raise their class grades.
- Extra points will be added to the student's grade for each extra credit assignment that is completed with competence.

## **Here are some timing rules I want you to know about extra credit in my class:**

- I will not give you extra credit immediately after a progress report and you see that your grade is bad
- I will not give you extra credit immediately before report cards when you worry that your grade will be bad
- I will not offer you extra credit because your parents ask me for it, this is your grade and if you would like it to reflect positively on you be proactive by working hard. When you are having difficulties that is when extra credit points can cushion your grade.

You are welcome to write down what you would like to work on or request a copy of the page with directions by simply putting a note in my box. If you are looking for an idea there are plenty in the binder. Enjoy, there is something for everyone! 😊

~Ms. Adler

# CAFETERIA SURVEY

You come up with at least 5 questions to survey 50 people about what food they would like to see in the cafeteria, what time they go to bed, how many dogs they have, or better yet, pick your own statistical question (it must have a variety of answers) that you would love to know the answer to. Then graph your results using a graph paper, a poster, or Microsoft Excel.



# Geometry Project

Find 20 geometric figures in the "real world" from magazines, newspapers, or you can take photographs. You must put them on a poster. The objects cannot be drawn and have to be real object.



# Newspaper Scavenger Hunt

Find items like decimals, fractions, percents, rational numbers, ordinal numbers etc. in the newspaper, cut them out and make an original design of all of their findings. Make a poster or be more creative by putting



them on a different item (mobile, shirt, etc.)

# Career Project

Interview someone who does math in their job. Provide an example of a math problem they use in their job (you don't necessarily have to understand the math problem, just understand how it is used). Write a paragraph explaining how

math is used, and have a picture of that person at their job.



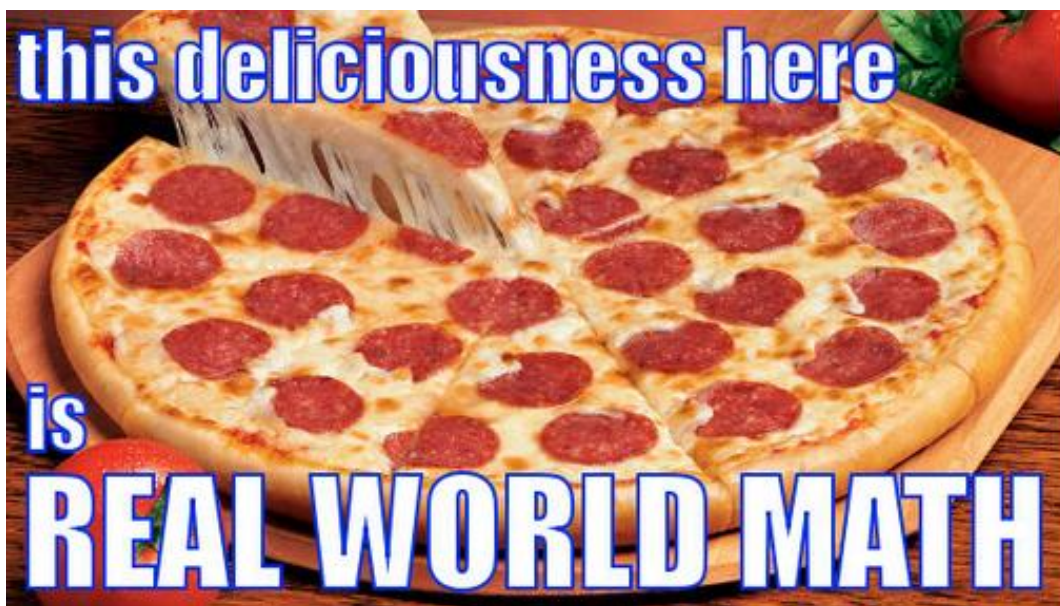
# Design a Menu

Design a menu for a themed restaurant. Must include at least 4 appetizers, 3 beverages, 6 main dishes, and 2 desserts. Write word problems using your menu. It could be very basic, just adding prices of different items, to more complex problems, like figuring the cost of a meal for you and a friend plus tax or figuring the cost of the meal for your grandma with her senior discount of 10%.



# Real World Math

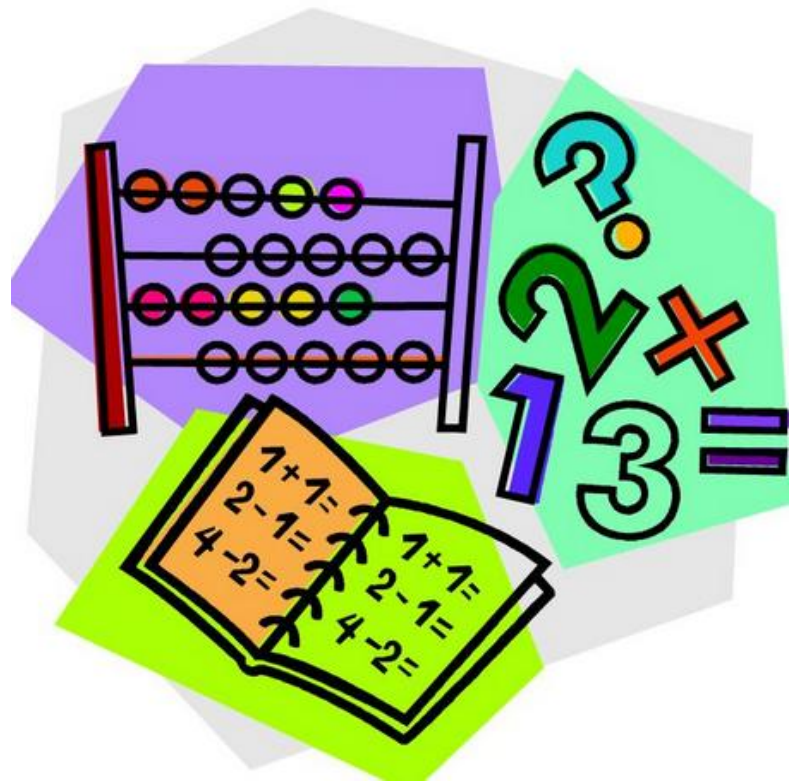
Cut out a math article from a magazine or newspaper then, paste the article onto notebook paper and NEATLY write a 1 paragraph summary of what the article is about and WHY you chose the article.





# Rules, Rules, Rules

Make a poster on 8.5 x 11" paper to demonstrate the rules for adding, subtracting, multiplying and dividing numbers, fractions, or decimals. The poster must be colorful and readable from a distance.



# BIOGRAPHY

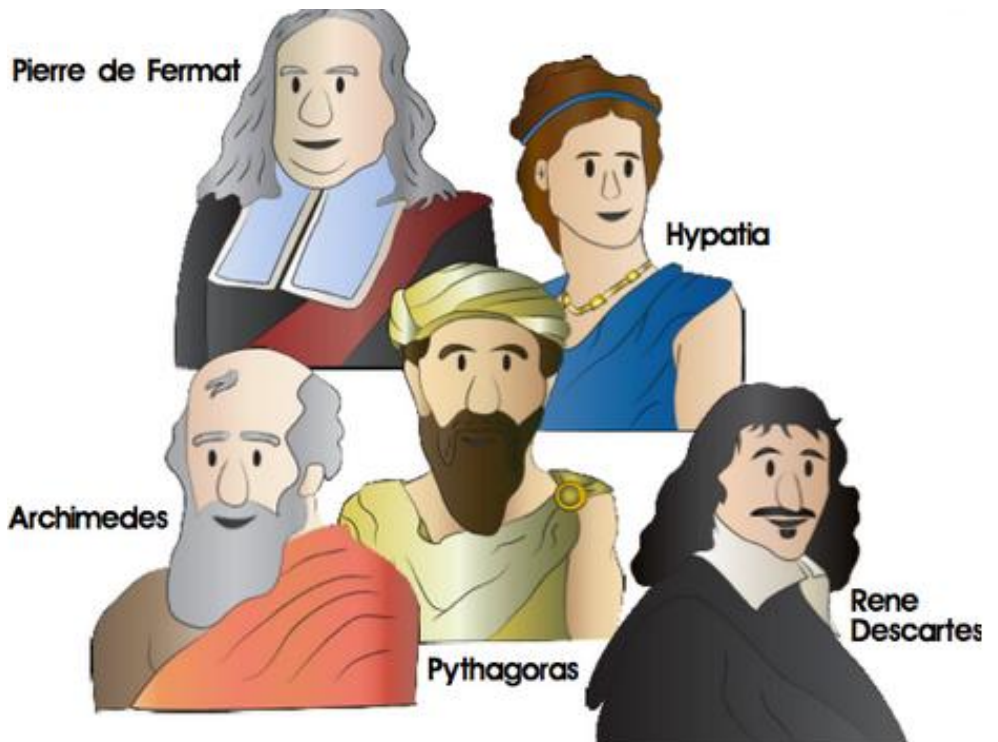
Do some research and write a biography about a famous mathematician. Include a bibliography showing where you obtained your information. No points will be awarded for plagiarized work. Here are some examples:

Archimedes, Albert Einstein, Lady Ada Lovelace, Rene Descartes, Fibonacci (Leonardo da Pisa), Galileo, Euclid, Pythagoras, Karl Gauss, Blaise Pascal

Must include:

- Date of Birth/Death
- What they are famous for discovering in math (describe it)
- You need at least 10 sentences describing the math!!!!
- Explain why this math is important and when we learn it or use it in the real world (This needs to be 10 sentences minimum on explanation!)
- Biography
- An image of each
- Make the posters "eye popping" with graphics, creativity, color, and neatness, use the WHOLE poster

\*Another option is to do trading cards with this idea and the same criteria (similar to baseball cards).



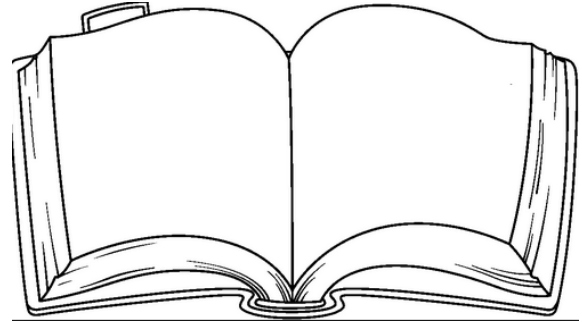
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Make a colorful, neat and informative poster showing the relationship between art and math. Be creative and have fun. The poster must show plenty of effort.

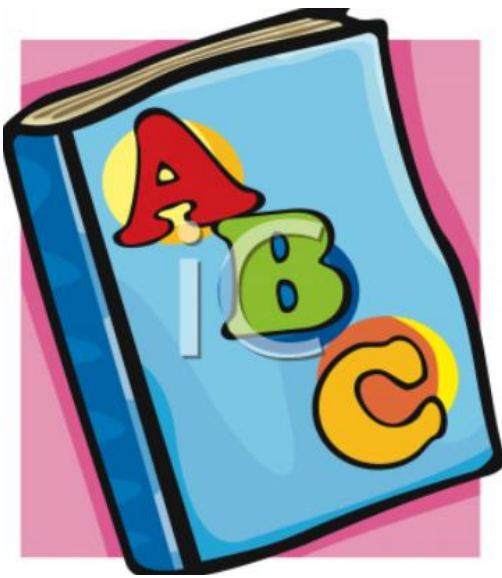


# MATH BOOK

Make a homemade book (10 pages) about a math topic. The book must contain a bibliography; no plagiarism.



There is also the option of making a Math Alphabet Book:



- ~ Create a book of the alphabet but using math words as the main focus. You may use any part of the word as your letter, but make the letter you are trying to explain bigger and bolder than the rest. (Sample: Geometry or EXterior Angles)
- ~ Each letter must show an image that clearly demonstrates the word you are trying to define.
- ~ All images must be hand done and created based on your grade level ability (no internet)
- ~ All details in the explanation should include complete sentences that demonstrated what it is, what it is used for/how and explain your full understanding.
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- ~ All pages should be neat, checked for grammar, and spelling.
- ~ Must also include a title page, decorated, and have your name on it.
- ~ THE MORE EFFORT YOU PUT INTO IT, THE BETTER THE GRADE!!!!!!

# Math Cartoon

Draw a cartoon involving math.  
The comic strip must:

- Contain 12 panels (Calvin and Hobbes example has 4 panels).
- Explain or demonstrate a recent topic or concept.
- Have clearly drawn, unique characters (ones YOU make up).
- Be neat and presentable on good quality paper (NOT notebook paper). This is a FINISHED product.

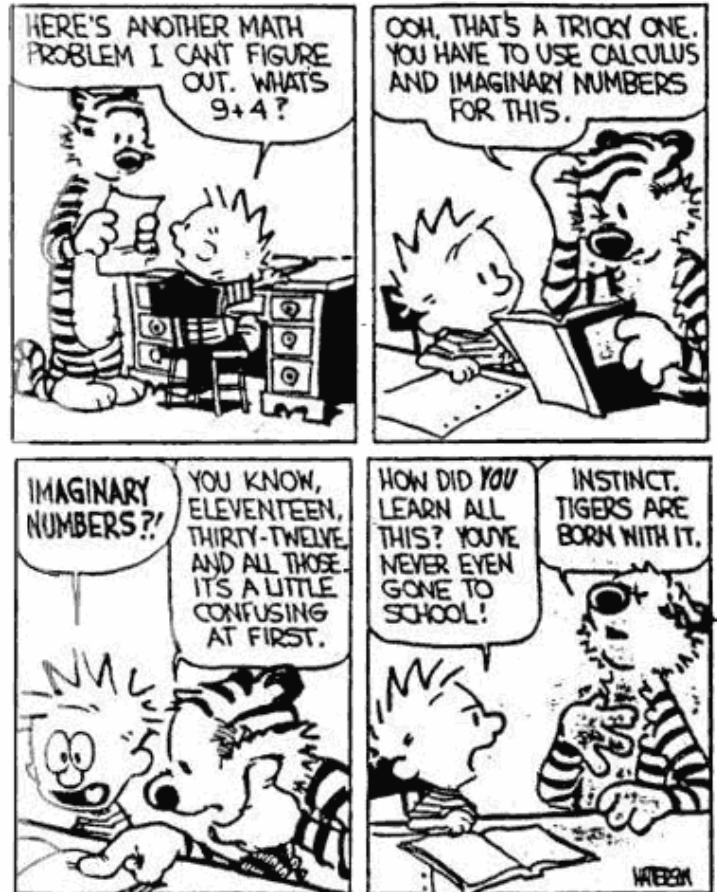
The cartoon will be graded on:

-Math content - a topic we have covered in Math this year with an accurate and correct explanation.

- Creativity - unique, well drawn characters (not copyrighted ones!) with some humor or drama in the wording. Cartoon should generate interest in the subject.

-Neatness - pictures should be well drawn and neat AND words should be written neatly or typed. Spelling and punctuation counts, so get someone to proofread your work.

-Presentation - paper should NOT be notebook paper or torn. Cartoon should be on clean paper. Finished product should be mounted on a colorful background paper, like construction paper, or some other unique presentation.



# Math Music Video

Math Music Video(s) on DVD or CD with own Math lyrics. Keep this clean and must get the song approved by me first. Up to 3 people max in a group with equal time and effort. You may not use one from past credit or someone else's as your own. Trust me, I will know!

- I must have a typed, clean copy of your math lyrics
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- Don't pick a song that repeats the same thing a million times! I want to hear YOUR lyrics and see the math involved.
- During your video DO SOMETHING! Don't just stand there. Think of the appropriate ones on MTV or VH1.
- Use costumes, props, lights, location, etc.

# MATH GAME PLAY

You search and play math games on any topic from our math curriculum. Compare and contrast at least three games and determine which game is the best one. Write a 3 paragraph blurb reporting on each of the three games, their website addresses, and their strengths and weaknesses. Not only will you receive extra credit points, but you will be given props on my website when I add your chosen game as a link.



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Dear Students and Families,

January 8<sup>th</sup>, 2014

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# Extra Credit Rubric

Points for each activity will be given based on activity, effort and quality of work turned in. I ask that you include all necessary parts below to be graded then attach this to your project. You must complete the "Student Grading Scale" portion as a self appointed grading scale (what you believe you have earned/deserve on this project; circle a number, 1 being the lowest points and 4 being the highest). Total points possible are 20 per project per quarter, a maximum of one project per quarter so work hard and turn in your best work. Teacher will determine final points earned.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Extra Credit Activity: \_\_\_\_\_

Points Possible: **20**

Points Earned: \_\_\_\_\_

<i>Graded Element</i>	<i>Student Grading Scale (1-4)</i>	<i>Student Comments</i>	<i>Teacher Grading Scale (1-4)</i>	<i>Teacher Comments</i>
Math Content	1   2   3   4		1   2   3   4	
Quality/Neatness	1   2   3   4		1   2   3   4	
Effort/Creativity	1   2   3   4		1   2   3   4	
Presentation	1   2   3   4		1   2   3   4	

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- **Quality/Neatness:** pictures should be well drawn and neat AND words should be written neatly or typed. Spelling and punctuation counts, so get someone to proofread your work.
- **Effort/Creativity:** unique, well drawn characters (not copyrighted ones!) with some humor or drama in the wording - if applies to project. Project should generate interest in the subject. Student effort should be clearly seen through the hard work and dedication put into the project.
- **Presentation:** paper should NOT be notebook paper or torn. Project should be on clean paper. If possible finished product should be mounted on a colorful background paper, like construction paper, or some other unique presentation.